#### Clinical Review.

#### GUY'S HOSPITAL.

GOY'S HOSPITAL REPORTS. No. VIII. APRIL, 1839. EDITED BY GEORGE H. BARLOW, M.A., &c. AND JAMES P. BABINGTON, M.A. &c.

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by Golding Bird, M.D. F.L.S. 5. Two Cases of Poisoning by the Inhalation of Carburetted Hydrogen; by Thomas Pridgin Teale, F.L.S.

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11. Case of Spermatocele, or Varicocele, treated by Scrotum; by Bransby B. Cooper, F.R.S.

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# I. ON THE DISORDERS OF THE BRAIN CONNECTED WITH DISEASED

This able and observant Physician has directed his attention to a point of ablology or and observant Physician has directed his attention to a point of ablology or and observant Physician has directed his attention to a point of a pathology or rather of semeiology, which is nearly, if not altogether, new ground. The object is threefold—

First, To point out the general character and individual forms of cerebral conder component out the general character and individual forms of cerebral disorder, To point out the general character and individual forms of cerebral cause such interrupted function of the kidneys, from whatever as well as in character function may arise. Secondly, To shew, that, in recent the light of the kidney, the cerebral disorder is not unfrequently as well as in chronic disease of the kidney, the cerebral disorder is not unfrequently the only obvious symptom present. And the most prominent, and occasionally the only obvious symptom present. And cases, upon the means of diagnosis, in such obscure or in unsuspected means of the cerebral affection." cases, upon the peculiar character of the cerebral affection."

The reciprocal peculiar character of the kidney, and the

The reciprocal action of the brain on the kidney, and the kidney on the brain, as long been laction of the brain on the kidney, and the kidney on the brain on the kidney, and the kidney on the brain on the kidney at the been made has long been known; but we are not aware that any attempt has been made to specify with to specify with precision, and in detail, the several forms of cerebral disorder connected with precision, and in detail, the several to ground a diagnosis of Connected with, or dependent on renal affection—and to ground a diagnosis of R the latter on the character of the former—that is to say, to tell whether disorder of the kidney exists, when cally the of the kidney exists, when only the cerebrum offers morbid phenomena, and when there is no symptom of parhylical and the control of parhylical and the contr when there is no symptom of nephritis, dropsical effusion, or albuminous uring We cannot abbreviate the following research

"According to my experience, the general character of cerebral affection connected with renal disease is marked by a pale face, a quiet pulse, a contractor or undilated, and chedicat or undilated and obedient pupil, and the absence of paralysis:—this general character, however, being somewhat modified, in certain cases, by circumstances attending the individual attack.

So far as I have yet been able to observe, the individual forms of cerebral disorder connected with renal disease are the five following:

1. A more or less sudden attack of quiet structures. 1. A more or less sudden attack of quiet stupor; which may be temporal drepeated; or permanent ending in death 2. A sudden attack of a peculiar modification of coma and stertor; which make temporary or end in death and repeated; or permanent, ending in death.

be temporary or end in death.

3. A sudden attack of convulsions; which may be temporary or terminate ath. death.

4. A combination of the two latter; consisting of a sudden attack of combination, accompanied by constant arrival and a sudden attack and stertor, accompanied by constant or intermitting convulsions.

5. A state of dulness of intellect, sluggishness of manner, and drowsiness, differenced by giddiness, dimness of eight and are giddiness. preceded by giddiness, dimness of sight, and pain in the head; proceeding to coma alone, or to coma accommand by community to come accommand by community to come accommand by community the head; to coma alone, or to coma accompanied by convulsions; the coma presenting peculiar character already alluded to

With respect to the first-mentioned form of cerebral disorder connected with all disease, that of quiet etupon it is not connected. renal disease, that of quiet stupor, it is, in its most exquisite form, probably least frequently met with: the face is pale the and least frequently met with; the face is pale, the pulse quiet, the pupil natural at least obedient to light: and although the public quiet, the pupil natural at least obedient to light: at least obedient to light; and although the patient may lie almost complete motionless, there is no paralysis for one the complete correct may be almost complete motionless, there is no paralysis for one the correct may be almost correct may motionless, there is no paralysis; for, on attentively watching him for time, he will be observed slightly to move all the time, he will be observed slightly to move all the extremities. By agitating him and speaking loudly, he may sometimes be rectively watching him for him and speaking loudly, he may sometimes be rectively and speaking loudly, he may sometimes be partially roused for a moment him quickly relapses into stupor, as before, or it would be a moment him and speaking loudly. quickly relapses into stupor, as before; or it may not be possible to rouse at all. There is little or no labour of respiration There is little or no labour of respiration, no stertor, and no convolsional legrees of it occasionally precede and Slight degrees of it occasionally precede and pass into the next or second form. This second form of cerebral affection in the next or second form.

This second form of cerebral affection is that of a sudden attack of the stertor, or, in other words appearance that of a sudden attack of the stertor, or, in other words appearance that of a sudden attack of the stertor, or, in other words appearance that of a sudden attack of the stertor, or, in other words appearance that of a sudden attack of the stertor of the sterior of the stertor of the stertor of the stertor of the stertor of the sterior of the sterior of the sterior of the sterior of th with stertor, or, in other words, apoplexy: it is, nevertheless, different ordinary apoplexy: it is the serous apoplexy: ordinary apoplexy: it is the serous apoplexy of authors, and presents the general characters of cerebral affection depending to the serous apoplexy of authors, and presents the fortier to the serous apoplexy of authors, and presents the serous apoplexy. general characters of cerebral affection depending upon renal disease; for the face, instead of being flushed, is, in almost account to the relation of the control of the face, instead of being flushed, is, in almost every instance, remarkably paths the pulse, though sometimes small, and more activities to the pulse of the pulse o the pulse, though sometimes small, and more rarely full, is remarkably quiet, almost natural; the pupil. also, although sometimes the pupil. almost natural; the pupil, also, although occasionally dilated or contracted often remarkably natural in size, and obedient to like him to contract the pupil of the remarkably natural in size, and obedient to like him to contract the pupil of the pupil often remarkably natural in size, and obedient to light; and there is no paralish.

When the labour of respiration is very great the labour of respiration is very great the labour of respiration. When the labour of respiration is very great, the general character is apt of modified by an accelerated pulse and the general character is apt of modified by an accelerated pulse, and occasionally by a slight flush of the countenance. The coma is for the most part complete, so that the part cannot be roused to intelligence for a single moment. The stertor is peculiar, and in a great measure characteristic of this forms. peculiar, and in a great measure characteristic of this form of cerebral affection connected with renal disease: it has not be a set of the deep th connected with renal disease: it has not by any means, in general, the the grouph, guttural, or nasal sound of ordinary constitutions. rough, guttural, or nasal sound of ordinary apoplexy: it is sometimes slightly of this kind; but much more commonly the of this kind; but much more commonly the stertor presents more of a his field that the character, as if produced by the air, both in incomplete the common of the common o character, as if produced by the air, both in inspiration and in expiration striking against the hard palate or even against t striking against the hard palate or even against the lips of the patient, than against the velum and throat, as in ordinary than against the velum and throat, as in ordinary apoplectic stertor: the action that the sterior is the sterior than the sterior is the sterior than the sterior is the sterior in the sterior in the sterior in the sterior is the sterior in the sterior in the sterior in the sterior in the sterior is the sterior in the st respiration, too, is usually, from the first, much more hurried than is the public than its public tha in the coma of ordinary apoplexy. The peculiar stertor coupled with face has, in more instances than one enabled we see that confidence of the confidence of face has, in more instances than one, enabled me to pronounce with confidence the disease to be renal, without asking a single question, and in cases, too, in which have been suspected.

which no renal disease whatever had for a moment been suspected. The third form of cerebral disorder connected with renal disease is that of a sudden attack of convulsions. In this case, also, the countenance is, for the most next. most part, remarkably pale, although occasionally, slightly flushed at intervals: the pupil is often but little affected: in slight attacks of the kind, the pulse is sometimes are severe, and especially sometimes singularly quiet; but when the convulsions are severe, and especially when there when there is such a degree of coma as to be attended with stertor, the heart often such a degree of coma as to be attended with stertor, the heart often such a degree of coma as to be attended with stertor, the heart often such as the sterior of the the sterior often sympathizes, and the pulse becomes rapid, irregular, and jerking. form of cerebral affection often passes into the fourth variety; or the cerebral affection shall take on the form of the fourth variety from the commencement: in the last in the latter case we have merely a combination of the second and third varieties the convenience of the second and third varieties. the coma, hurried breathing, stertor, and convulsions being so blended together the affection ought to be together as often to have led to a dispute, whether the affection ought to be designated apoplexy or epilepsy. From what has been already stated, it may, in general her work of the common forms of cerebral disgeneral be very easily recognised as one of the common forms of cerebral disorder, common forms of cerebral disorder disord order, connected with renal disease.

The fifth variety is that in which the cerebral disorder makes its approach in a more gradual and insidious manner, usually commencing with dulness of intellect of the state o tallect, sluggishness of manner, and drowsiness, gradually proceeding to coma, and more and more or less stertor, with or without convulsions; these states being, at the same time, distinguished by the general indications already pointed out. This form of form of cerebral disorder appears to be that which most commonly supervenes in the present disorder appears to be that which most commonly supervenes in the present disorder appears to be that which most commonly supervenes in the present disorder appears to be that which most commonly supervenes in the present disorder appears to be that which most commonly supervenes in the present distribution of the present distrib in the progress of the morbid change of kidney described by Dr. Bright; and is very frames of sight, and pain in the head." is reprogress of the morbid change of kidney described by Di. 2015. A highly described by giddiness, dimness of sight, and pain in the head."

A highly exists any discoverable

A highly interesting question is—whether there really exists any discoverable lation between the cerebral affection? And if relation between the character of the renal and the cerebral affection? there be, in what relation are the forms, violence, and permanence of the latter to the forms. to the former? Our author acknowledges that he is not yet in possession of sufficient facts to justify any very positive conclusion on these points, although the imagines the contain degree of relation between the affection he imagines that he has perceived a certain degree of relation between the affections of the two organs.

Of all the more serious affections of the brain arising in connection with tenal disease, the mildest form appears to be that of a tendency to a state of quiet standard, the mildest form appears to be that of manner and sluggishness Quiet stupor, varying in degree from a mere torpidity of manner and sluggishness intellect. Accordingly, I of intellect, varying in degree from a mere torpidity of manner and stage intellect, to complete insensibility to all surrounding objects. Accordingly, I have found the complete insensibility to all surrounding objects. have found this form of cerebral disorder most frequently present in what may be regarded this form of cerebral disorder most frequently present in what may be regarded this form of cerebral disorder most frequently present in what the be regarded as the least formidable, or more temporary derangements of the kidney. The state of the Lover saw, occurred in a man who at the idney. The most exquisite example I ever saw, occurred in a man who at the The most exquisite example I ever saw, occurred in a man of the most exquisite example I ever saw, occurred in a man of the most exquisite example I ever saw, occurred in a man of the most exquisite example I ever saw, occurred in a man of the most example I ever saw, occurred in a man of the most example I ever saw, occurred in a man of the most example I ever saw, occurred in a man of the most example I ever saw, occurred in a man of the most example I ever saw, occurred in a man of the most example I ever saw, occurred in a man of the most example I ever saw, occurred in a man of the most exquisite example I ever saw, occurred in a man of the most exquisite example I ever saw, occurred in a man of the most exquisite example I ever saw, occurred in a man of the most example I ever saw, occurred in a man of the most exquisite example I ever saw, occurred in a man of the most example I ever saw of the most example I ever saw occurred in a man of the most example I ever saw occurred in a man of the most example I ever saw occurred in a man occurred in a man occurred in a man occur and who made no complaint of pain or uneasiness in his loins. After death, the cortical correction of pain or uneasiness in his loins. After death, and correction or uneasiness in his loins. the cortical part of the kidneys was found highly injected, of a deep-red or almost cheeselest of the kidneys was found highly injected; in short, furnishalmost chocolate colour, and somewhat softened in its texture; in short, furnishing the strong the strong transfer and somewhat softened in its texture; in short, furnishing the strong transfer and transfer at the strong transfer and transfer at the strong transfer at the st ing the strongest indications of a recent nephritic attack in a subdued form: it also my belief, that the same state of things not unfrequently takes place, at early period. that the same state of things we observe an approach to a similar an early period in the progress of scarlatina: we observe an approach to a similar condition of different period in the progress of scarlatina: we observe an approach to a similar than the progress of scarlatina which the bladder has been allowed to condition of brain in cases of fever, in which the bladder has been allowed to become over become of brain in cases of fever, in which the bladder has been accome over-distended; and most assuredly in cases of retention from stricture, and in cases of cases of the interruption in and in cases of retention from the interruption or impediment calculus in the kidney. In all these instances, the interruption impediment calculus in the kidney. In all these instances, the interruption or impediment calculus in the kidney. or impediment to the urinary secretion may be said to be recent or incomplete; and hence much the urinary secretion may be said to be recent or incomplete; lead thence much the urinary secretion may be said to be recent or incomplete; lead thence much the urinary secretion may be said to be recent or incomplete; lead thence much the urinary secretion may be said to be recent or incomplete; lead thence much the urinary secretion may be said to be recent or incomplete; lead thence much the urinary secretion may be said to be recent or incomplete; lead thence much the urinary secretion may be said to be recent or incomplete; lead thence much the urinary secretion may be said to be recent or incomplete; lead thence much the urinary secretion may be said to be recent or incomplete; lead thence much the urinary secretion may be said to be recent or incomplete; lead thence much the urinary secretion may be said to be recent or incomplete; lead thence much the urinary secretion may be said to be recent or incomplete; lead thence much the urinary secretion may be said to be recent or incomplete; lead thence much the urinary secretion may be said to be recent or incomplete. and hence, Probably the less degree of severity of the cerebral affection, and the less peril to the urinary sections.

less peril to the patient; for in such instances the symptoms very commonly when however, the hurtful cause is of When, however, the hurtful cause is of the patient; pass away, and the patient recovers. When, however, the hurtful cause is of the originally and the patient recovers. an originally nephritic character, the chance of recovery will be less than when the cause of all phritic character, the chance of merely mechanical and temporary. the cause of obstruction happens to be merely mechanical and temporary.

The next obstruction happens to be merely mechanical and temporary.

The next, in point of severity, of the cerebral affections connected with renal

disease appears to be that of convulsions, with comparatively little stertor; convulsions, however, which may prove speedily fatal; or which may be repeated an indefinite number of times, but from which the patient very often completely and permanently recovers. completely and permanently recovers. Accordingly, I have observed this form of more simple convulsions most frequently of more simple convulsions most frequently associated with what may fairly be regarded as a more exquisite and ordering associated with what may fairly be regarded as a more exquisite and enduring form of renal disease than that just alluded to: I have observed it most form of renal disease than that alluded to: I have observed it most frequently in cases of renal dropsy, substruction to scarlating, and in that frequently in cases of renal dropsy, substructions to scarlating and in that frequently in cases of renal dropsy, substructions are substructions. quent to scarlatina; and in that form of renal dropsy supposed to arise for direct exposure to damp and cold and are renal dropsy supposed to arise for direct exposure to damp and cold and are renal dropsy supposed to arise for direct exposure to damp and cold and are renal dropsy supposed to arise for direct exposure to damp and cold and are renal dropsy supposed to arise for direct exposure to damp and cold are renal dropsy. direct exposure to damp and cold, and commonly known by the name of infant matory dropsy. As the rough a fraction is matory dropsy. As the renal affection has already proceeded to induce dropsy, we cannot but regard it as more fixed and more formidable than in the cases described as being attended with more or leave to the control of the cases of the case of th described as being attended with more or less of quiet stupor: and accordingly instead of merely a certain degree of this letter unit stupor. instead of merely a certain degree of this latter condition, we have convulsion which may indeed prove fatal, but from which which may indeed prove fatal, but from which, as already observed, the patient often completely and permanently recover.

The most stubborn and dangerous cases of cerebro-renal affection are those here the structure of the kidney is in a cerebro-renal affection are those where the structure of the kidney is irrecoverably disorganized in the manual described by Dr. Bright. It is not true because disorganized in the manual described by Dr. Bright. described by Dr. Bright. It is not true, however, that every such case is sociated with cerebral disorder—on the action that every such case is the sociated with cerebral disorder—on the action to the case is the sociated with cerebral disorder—on the sociated with the sociat sociated with cerebral disorder—on the contrary, many cases occur where the sensorial functions remain unaffected till the sensorial functions remain unaffected till the very last period of the renal contrary, which causes this discrete till the very last period of the renal contrary. plaint. What it is which causes this discrepancy, we are, at present, unable to ascertain. It has appeared to Dr. Addison the work of the remainder of the rema ascertain. It has appeared to Dr. Addison, that when the cerebral affection does supervene on this fatal form of read in the cerebral affection. does supervene on this fatal form of renal disease, its constancy, urgently and intractability correspond with that of the

and intractability correspond with that of the primary malady.

"The patient suffering repeatedly, or more or less constantly, from heaviness, giddiness, or pain or serve of tickers constantly, from heaviness, drowsiness, giddiness, or pain or sense of tightness in the head, and because of tightness in the head, and peculiarly liable to be suddenly seized with the peculiarly fiable to be suddenly seized with the most alarming and most fatal all the forms of cerebral disorder occurring in all the forms of cerebral disorder occurring in connection with renal disease profound coma and stertor, with or without convulsions."

The post-mortem appearances in the brain are passed over by our author the are very often slight, and apparently in a they are very often slight, and apparently inadequate to an explanation of the symptoms.

We are much obliged to Dr. A. for breaking ground in an untrodden path of inquiry, and have no doubt that he will prosecute the investigation with the zeal and talent for which he is distinguished.

#### II. ON THE DIURNAL VARIATIONS OF THE PULSE; BY WILLIAM AUGUSTUS GUY.

We have already noticed some observations of Dr. Guy's upon the pulse lose before us now are intended to combat the Those before us now are intended to combat the popular notion, that the popular notion is more frequent in the evening them in the is more frequent in the evening than in the morning, a notion which was opposed by Dr. Knox.\*

The observations of Dr. Guy are too voluminous to permit us to present them detail. We shall therefore content ourselves with chronicling the main sults. in detail.

results.

The experiments were made at Cambridge, in the Spring of 1837. Dr. 60 rely went to bed before midnight, often as left to be the spring of 1837. rarely went to bed before midnight, often as late as one or two o'clock in morning; he usually rose at nine o'clock

<sup>\* &</sup>quot;On the relation subsisting between the time of the day and various fifther one of the human body, and on the man between the time of the day and various of the tions of the human body, and on the manner in which the pulsations of the human body. And on the manner in which the pulsations of the heart and arteries are affected by muscular court. heart and arteries are affected by muscular exertion." By Robert Knox, M.D. Edinb. Ed. Med. and Surg. Journal. Vol. XI. 2020.

Twenty observations made on first rising in the morning—and twenty at night, at here were hours—gave the just before going to bed, and after remaining quiet for some hours—gave the following following numbers; the sitting posture being maintained in all the observations.

	Morning.	Night.	D	ifferen	ce.
Max	68	61		7	
Win	54	50		4	
Mean	64	 54		10	

Here, then, the pulse was more frequent in the morning than at night, by lo beats; and there was a difference, between the highest frequency in the norning and the lowest frequency at night, of 18 beats. This remarkable diminution towards night took place in spite of the various excitements produced by food, study, or exercise during a space of fifteen or sixteen hours.

2. The following remarks on the effects produced by rest upon the pulse are

not undeserving of attention. Though the medical man is familiar with the rapid diminution of frequency which the medical man is familiar with the rapid diminution of frequency, the pulse undergoes after being raised above its natural number by diminishing what may be termed its normal frequency, has not attracted much attention even for the baye most carefully investigated the diurnal revoattention even from those who have most carefully investigated the diurnal revolutions of the pulse. If we take the frequency of the pulse on first rising in the morning and have most carefully investigated the distributions of the pulse. If we take the frequency of the pulse on first rising in the morning and have been from those who have most carefully investigated the distributions of the pulse. morning, and before it has been subject to the excitement of food or exercise, as a standard of the pulse. If we take the frequency of the pulse on increasing, as a standard of comparison, we shall find that continued rest will greatly reduce that frequence by that frequency. If, again, after the pulse has been increased in frequency by food, we allow it to subside to the number which it had before the food was taken, and the number which it had before the food was taken, we allow it to subside to the number which it had belove the pulse becomes less then continue for a considerable period in a state of rest, the pulse becomes less and less frequent, till it reaches a much lower frequency than that which it has and less frequent, till it reaches a much lower frequency than that which it had on first rising in the morning. My first series of observations illustrates the only of the day, in illustrates this position. But this effect takes place at all periods of the day, in the morning. Are we justified, then, in regarding the morning as well as in the evening. Are we justified, then, in regarding every program as well as in the evening of the pulse as evidence that the every progressive decrease in the evening. Are we justined, then, in that the pulse is evidence that the pulse becomes less frequent as the day advances?—Certainly not. The only way, therefor less frequent as the day advances? way, therefore, in which we can determine whether the pulse is really less frequent at the day advances?—Certainly not. frequent at night than in the morning, is by comparing the morning with the comparison. I make this comparison. comparison, I adopted a plan somewhat similar to the one suggested by Knox. I rose between adopted a plan somewhat similar to the one suggested by Knox. Trose between eight and nine A.M.; and, when dressed, remained in the sitting posture and nine A.M.; and, when dressed, remained in the sitting Posture, and in a state of perfect rest, for some minutes. I then counted the pulse; and the a state of perfect rest, for some minutes. pulse; and in a state of perfect rest, for some minutes. I then comparison throughout the comparison throughout the consistence of three cups of the cups of the cup throughout the day. I then ate my breakfast, which consisted of three cups of tea, and the half of a small loaf of bread and butter. Immediately after the and the half of a small loaf of bread and butter. Immediately after the analytic and repeated my observations every quarter of heal, I again counted the pulse; and repeated my observations every quarter of hour pulse. an hour, again counted the pulse; and repeated my observations every the meal. From this time that reached the same frequency which it had before the meal. From this time I continued to count the pulse every quarter of an hour, during a period warm. From three to four o'clock I a period varying from half-an-hour to two hours. From three to four o'clock I acquired the and dined at four. After dinner I remained at rest till my pulse acquired the frequency which it had on first rising in the morning and before octlock, I took my tea, consisting of the same food, and in precisely the same food and in precise for the same food and in precise Quantity, as that which had formed my breakfast. After tea, I counted my pulse every which it had bulse every quarter of an hour, till it fell to the same frequency which it had before the marriage of an hour, till it fell to the morning, counting the before the meal. I then repeated the observations of the morning, counting the pulse every quarter of an hour, till it fell to the same frequency which the before the meal. I then repeated the observations of the morning, counting the pulse every quarter of an hour, till the pulse one, or two o'clock; and taking care pulse every quarter of an hour till twelve, one, or two o'clock; and taking care to make programmer of an hour till twelve, one, or two o'clock; and taking care make precisely the same number of observations as I had already made in

the morning. I thus obtained two series of observations, in every respect analogous, and admitting of the most exact comparison. That no error might creep in, I not only remained during the creep in, I not only remained during the whole time of the observations and in the same posture, but I took rest and in the same posture, but I took care to pursue precisely the same study in the morning as in the evening."

Omitting the table of results we will insert the summary of them. a. It appears that the pulse is less frequent late at night than at nine A.M. by om four to six beats \* and that downer the from four to six beats;\* and that during the same interval of time it falls the rapidly, and attains a lower frequency. rapidly, and attains a lower frequency in the evening than in the morning; the difference, indeed, is in no case very considerable, but it is remarkable for the uniformity of its occurrence, and it is a like same uniformity of its occurrence; and it is well worthy of remark, that the same difference which occurs in the mann of all its well worthy of remark, that the same of all its well worthy of remark, that the same of all its well worthy of remark, that the same of all its well worthy of remark, that the same of all its well worthy of remark, that the same of all its well worthy of remarks. difference which occurs in the mean of all the observations takes place in esparate series; a circumstance which separate series; a circumstance which, as it is rarely met with in experiments on the human body, will inspire the greater confidence in the results obtained in five out of the eleven series of observations. In five out of the eleven series of observations, irregularities were observed the morning; that is to say, the diminutions, irregularities were observed. the morning; that is to say, the diminution of the pulse was not progression but an occasional increase of frequency tool but an occasional increase of frequency took place. In the evening, the distribution was, in every case uniformly process.

b. Out of fourteen observations, there is one only in which the immediate effect the meal was greater in the even of the meal was greater in the evening than in the morning, and then only in which the agree one beat; and one only in which the agree of the day. one beat; and one only in which the effect was equal at both times in the whilst in every case, without exception, the effect was equal at both times in the whilst in every case, without exception, the effect was of shorter duration in the evening than in the morning. But by for the evening than in the morning. But by far the most remarkable fact established by these observations, is, that the same feet was of shorter duration by these observations, is, that the same food which in the morning increases be frequency of the pulse from five to twelve by the most remarkable fact established in the morning increases be the pulse from five to twelve by the first the first transfer is the first transfer in the firs frequency of the pulse from five to twelve beats, and keeps it raised above it natural number during from one to two bounds. natural number during from one to two hours, may in the evening produce poeffect whatever.

1. The pulse of a healthy adult male in a state of rest, unexcited either by od or exercise, is most frequent in the food or exercise, is most frequent in the morning, and gradually diminished the day advances. 2. The pulse diminishes in frequency more rapidly in the evening than in the orning.

morning.

3. The diminution of the frequency of the pulse is more regular and pro-

gressive in the evening than in the morning.

4. The effect of food is greater and more lasting in the morning than in the ening; and, in some instances, the same food at it is morning than in the morning. evening; and, in some instances, the same food which in the morning products an effect considerable both in amount and in Javanian in the morning products. an effect considerable both in amount and in duration, has no effect whatever in the evening.

Dr. Guy is evidently possessed of a clear head and of professional zeal. Those eful qualities lead us to expect, and will apply the professional zeal. useful qualities lead us to expect, and will enable him to present, contributed to practical medicine of greater value than the to practical medicine of greater value than those which he has yet offered.

# III. Analysis of Bones affected with Mollities Ossium. By G. O. REES, M.D. F.G.S. &c.

In a Paper published in the 21st Volume of the Medico-Chirurgical Transitions, and noticed by us at the time. Dr. Pare actions, and noticed by us at the time, Dr. Rees, an able and indefaugable chemist, demonstrated by analysis, that the different and indefaugable chemist, demonstrated by analysis, that the different bones of the adult human

<sup>\* &</sup>quot;Immediately on getting out of bed, the pulse is more frequent than after all late at interval; so that the mean difference between the pulse at that time and late at night is, as we have already seen, about ten boots?

skeleton, in health, contained animal and earthy matter in different proportions. He has lot, health, contained animal and earthy matter in different proportions. He has lately had an opportunity of examining some bones affected with mol-lities, and all had an opportunity of examining some bones affected with mollities, and the following is the result of careful analyses of three specimens from the same of the following is the result of careful analyses obtained from healthy the same adult subject; they are compared with those obtained from healthy

Constitution of	MOLLITIES.			HEALTH.		
Fib.	Earths.	Aı	nimal Matter.	Earths.	A	nimal Matter.
Fibula	32.50	1	67.50	60.02		39.98
Rib. Vertebra	30.00		70.00	57.49	17.	42.51
accora	26.13		73.87	57.42		42.58

Dr. Rees observes :-

On examining this Table, it will be observed that in the diseased as well as the health in the diseased as well as on examining this Table, it will be observed that in the diseased as the the the healthy bones, the fibula contains more earthy matter than either the rib or vertebra:—thus we have the same order or vertebra; and the rib more than the vertebra :—thus we have the same order preserved; and the rib more than the vertebra that the vertebra and rib, in health, preserved as in health. It may be noticed that the vertebra and rib, in health, approach as in health. approach very nearly in their proportions of animal and earthy matter; while in mollities mollities, a considerable difference exists between them in this respect. This indicates the considerable difference exists between the molliindicates, a considerable difference exists between them in this respectively. In the considerable difference exists between them in this respectively. In the considerable difference exists between them in this respectively. In the considerable difference exists between them in this respectively. ties, yet that though the bones are all acted upon by the absorbeing acted upon the absorption does not go on equally in the bones; some being acted upon the absorption does not go bowever an approach to an equality of acted upon more than others. There is, however, an approach to an equality of action; for more than others. action: for, notwithstanding that the diseased bones have lost about half of their arthy matter. earthy: for, notwithstanding that the diseased bones nave lost about his earthy matter, yet they keep the same order, as regards proportional constitution, which we can be some order. which we observe in health; viz. the fibula containing more earthy matter than the rib, and the rib more than the vertebra.

Having and the rib more than the vertebra.

On the long bornes of the extremities contained, as nearly as possible, 86 per from the long bones of the extremities contained, as nearly as possible, 86 per cent, of plans bones of the extremities contained, as nearly matter from the trunk cent of phosphate of lime in health, and that the earthy matter from the trunk tongs contained on mixing bones contained, on an average, \*83.03 per cent.; I determined on mixing together the new contained to the fibula. toget contained, on an average, \*83.03 per cent.; I determined on including together the earths obtained from the fibula, rib, and vertebra affected with mollities, and subjecting them to analysis. This bone-earth, on examination, proved to contain only 78 per cent. of phosphate of lime. There is evidence that the above of earthy matter by disease is accompanied by a dehere, that the absorption of earthy matter by disease is accompanied by a decrease in the trease in the absorption of earthy matter by disease is accompanied by a teres in the proportion of phosphate of lime to carbonate. This would seem per centage of phosphate of lime: for were it otherwise, we should never find bone earth containing a very large centage as 78 of that earth; the smallest, bone.earth containing so small a per centage as 78 of that earth; the smallest, health bontaining so small a per centage as 78 of carbonate of lime. in health, being 81.2 of phosphate, to 18.8 of carbonate of lime.
That the

That the carbonate is absorbed together with the phosphate of lime, in certain only by the fact, that bones, though small proportion, in these processes, is proved by the fact, that bones, even those even those most changed by the absorption of their earthy matter, are not very remainded by the absorption of their earthy matter, are not very remainded by the absorption of their earthy matter, are not very remainded by the absorption of their earthy matter, are not very remainded by the absorption of their earthy matter, are not very remainded by the absorption of their earthy matter, are not very remainded by the absorption of their earthy matter, are not very remainded by the absorption of their earthy matter, are not very remainded by the absorption of their earthy matter, are not very remainded by the absorption of their earthy matter, are not very remainded by the absorption of their earthy matter, are not very remainded by the absorption of their earthy matter, are not very remainded by the absorption of their earthy matter, are not very remainded by the absorption of their earthy matter, are not very remainded by the absorption of their earthy matter, are not very remainded by the absorption of their earthy matter, are not very remainded by the absorption of their earthy matter, are not very remainded by the absorption of their earthy matter, are not very remainded by the absorption of the properties of the control of the Reatly removed from healthy bone-earth in the general average proportion of phosphate and carbonate of lime."

IV. CASE OF SPERMATOCELE, OR VARICOCELE, TREATED BY EXCISION OF A PORTION OF THE SCROTUM. By BRANSBY B. COOPER, F.R.S.

Our readers must be aware that Sir A. Cooper has proposed excision of a por-of the same that Sir A. Cooper has proposed excision of a por-Our readers must be aware that Sir A. Cooper has proposed excision of the scrotum as a remedy for varicocele. Mr. Bransby Cooper publishes

<sup>\*</sup> This average was drawn from results obtained from seven specimens: the extremes were 81.2 and 85.0.

the following case as a highly satisfactory instance of the benefit that may accord from the performance of the operation from the performance of the operation.

Case. About three months ago Mr. Cooper was consulted by a young farmer to had laboured under variaccels on the laboured under variaccels of the laboured under variaccels on the laboured under variaccels of the laboured under variaccels on the laboured under variaccels of the laboured under varia who had laboured under varicocele on the left side for upwards of two years. Mr. C. found the scrotum people double it Mr. C. found the scrotum nearly double its natural size; and on the left side for upwards of two years so pendulous, as to reach at least a third leave to the left side. so pendulous, as to reach at least a third lower than on the opposite side. slightest manipulation produced considerable slightest manipulation produced considerable pain, both in the testicle and the course of the cord; and the testicle itself. the course of the cord; and the testicle itself was wasted, and exhibited all the usual signs of an irritable condition

"The patient complained of a constant sense of weight, attended with a loing pain, extending from the tooticle of dull pain, extending from the testicle, along the spermatic-cord, to the louist with an habitual feeling of restlessness and with an habitual feeling of restlessness and anxiety. His appetite was impaired and a constant depression of spirite induced live. and a constant depression of spirits induced him to seek medical relief. usual remedies had been employed, as purging, recumbent posture, suspensor, bandages, and cold applications, but in a bandages, and cold applications; but ineffectually. On questioning the patient as to the probable cause of the complaint has a superior of the complaint has a as to the probable cause of the complaint, he could attribute it to none of the usual local causes, as a blow &c. but calculate the could attribute it to none of the usual local causes. usual local causes, as a blow, &c. but admitted that he had always been more less affected with a constinuted of the collection of the constinuted of the collection of the co or less affected with a constipated state of bowels. I therefore proposed to high that he should return into the country, submit himself to the continued influence of purgative medicine for a short time. ence of purgative medicine for a short time, abstaining from all violent exercise, and that if this plan did not remove his discovery time. and that if this plan did not remove his disease, I would attempt a radical cuts by the operation of excision of a next in a part in a p by the operation of excision of a portion of his scrotum. To this he readily acceded; seeming willing to submit to are the seeming willing to submit to a seeming willing to submit to a seeming willing to submit to a seeming will be a seeming w acceded; seeming willing to submit to any temporary pain, rather than his protracted suffering. He therefore returned to the his protracted suffering. He therefore returned home, strictly adhered to the prescribed discipline for six weeks. At the protection of the prescribed discipline for six weeks. prescribed discipline for six weeks: at the end of which period, finding and self in no way improved, he came to Lord self in no way improved, he came to London, determined to undergo operation." On the 8th of February, Mr. C. excised a portion of the scrotum in the llowing manner: operation."

following manner:

"The patient being placed in the recumbent posture at the foot of the bed, e enlarged veins of the left spormatic cond. the enlarged veins of the left spermatic-cord were emptied of their blood; when Mr. Birkett drew the relaxed skip of the cord were emptied of their blood; fore and Mr. Birkett drew the relaxed skin of the scrotum tightly between his fore with middle finger, so as to press the testicle closely and the scrotum tightly between his fore with middle finger, so as to press the testicle closely. middle finger, so as to press the testicle closely against the external ring hole the back of his hand. I then, with one sweep of the knife, removed the with of the skin restricted by Mr. Birkett's finger taking of the skin restricted by Mr. Birkett's finger, taking care to avoid the seption scroti: and thus exposed the tunica vaginalis from the seption to the seption of the seption scroti. scroti: and thus exposed the tunica vaginalis, from which alone the left teatile now received any covering. The bleeding heir results and the service of the left teatile now received any covering. now received any covering. The bleeding being very inconsiderable, I immediately proceeded to bring the edges of the incidence of the incidenc ately proceeded to bring the edges of the incised skin together, by raising the lower portion towards the upper: and maintained the edges of the incised skin together, by raising of lower portion towards the upper; and maintained the coaptation by three of four sutures; by which means I diminished the four sutures; by which means I diminished the size of the left side of the suprement, so as to form a close envelop to the section of the left side of the suprement. tum, so as to form a close envelop to the testicle. The parts were then ported by adhesive-plaister and bandaras restricts. ported by adhesive-plaister and bandages, pretty tightly applied; and the whole was enveloped in cloths kept constantly moist with

Some degree of inflammation of the spermatic cords, and of the right testide followed, suppuration occurred in the wound, but on the 4th of March natural, convalescent. The spermatic cords, though firmer, were not larger than natural and all appearance of varicocele had cored

"Various modes of treating varicose veins have been recommended—excision, application of ligatures, canadia and have been recommended. division, application of ligatures, caustic and pressure, all with a view of obligating the diseased vessel: but these many and the diseased vessel: rating the diseased vessel: but these means so frequently lead to phlebitis, on the consequent violent constitutional decrease. the consequent violent constitutional derangement, as to have led surgeons in rather to adopt palliative means, than to graphe at the surgeons in the constitutional derangement, as to have led surgeons in the constitution of the surgeons in t rather to adopt palliative means, than to grapple at once with the dangers in separable from the attempts at a radical cure. The usual means employed to relieve spermatocele are, suspensory-handeres for the usual means employed to relieve spermatocele are, suspensory-handeres for the usual means employed to t relieve spermatocele are, suspensory-bandages, for the purpose of diminishing

the length, and consequently the weight of the column of blood contained in the veins—the application of evaporating lotions, to produce the constricting influence of cold—and the administration of purgatives, to prevent accumulation of the contents of the large intestines. Nothing further, however, can be expected from this plan than relief from the urgency of symptoms; unless, as sometimes deposition of coagula within them. Sir A. Cooper, considering that the constant highly inconvenient, if not in themselves pernicious, believed that, by the excition of a large portion of the skin of the scrotum, he should at once produce all manent application, and, at any rate, would get rid of its inconvenience: it was with the view, therefore, of thus establishing a continued well-adjusted bandage that he recommended the operation.

It appears to me, however, and indeed seems apparent, from the daily report to the above-related case, that the excision of the portion of the scrotum leads ration of the diseased veins; and without the same risk as attends upon be the case either by the employment of a ligature or the excision of the veins themselves, as must varix.

The history of the case plainly indicates the progressive symptoms, from obliteration."

We would observe that the operation of excision of a portion of the scrotum was founded on the idea, that, by its cicatrization and contraction, it would prove a sort of bag-truss. We have not seen the operation followed by inflammation and obliteration of the veins. If, in Mr. Cooper's case it was so, that it would not render it more effectual. But it seems difficult to suppose that it would not render it, pari passu, more unsafe. Phlebitis is always dangerous, fammation of a varicose saphena vein, induced by merely tapping it with the the actual occurrence of phlebitis in the present instance, would lead us to suspect that even excision of a bit of the scrotum may be followed by serious results. Operation for varicocele.

V. Case of Division of the Tibia, for the Cure of Deformity occasioned by a Gun-shot Wound. By Charles Aston Key.

Captain Charlton was wounded on the 17th of August, 1835, in capturing a stockade in Assam; a musket-ball fracturing the right tibia. His situation Precluded proper assistance, and in March, 1838, he embarked for England. When he arrived in England, he walked with difficulty, supporting himself the other, in order to bring the leg into a more perpendicular line of bearing. The deformity of the limb was great, to the full extent represented in the drawaconsiderable portion of bone having been lost on the inner side of the tibia, cause as an ulcerated spine acquires an irregular form from loss of substance on formed an angle at its point of union with the lower portion of the bone, but also deviated from its natural line in relation to the femur. Its head, with the

articulatory surface, had been somewhat forced outwards, so that an appearance of obliquity was given to it when river a few parts of the control of the con of obliquity was given to it when viewed from before. In addition to the great deformity of the tibin, the fibral had a large great deformity of the tibin, the fibral had a large great deformity of the tibin. deformity of the tibia, the fibula had undergone a displacement at its upper tremity. Its head had been forced among a displacement at its upper tremity. tremity. Its head had been forced away from its articulation with the tibia and formed an unnatural prominence of and formed an unnatural prominence, above the usual position, in reference to the tibia. The hearing of this box was a the tibia. The bearing of this bone was also altered, as appears in the drawing. Not having been broken at the time of the Not having been broken at the time of the accident, it could not yield and form an angle, as the tibia had at the seat of fracture; but maintaining its natural straight line, it had been compelled to alter it. straight line, it had been compelled to alter its line of bearing, in compliance with the angular form of the larger have with the angular form of the larger bone. The fibula, therefore, preserved a parallel to the lower portion of the tibia. parallel to the lower portion of the tibia. Its lower end, being forcibly acted the by the inward inclination of the foct and by the inward inclination of the foot and lower part of the tibia, had carried the upper part outward; and had carried to upper part outward; and had caused a dislocation of its head, which had updergone some change of form, and possessed a degree of motion not natural to it in its ordinary position. The shortening of the it in its ordinary position. The shortening of the whole limb occasioned by alteration in form was such as to course the whole limb occasioned by alteration in form was such as to cause Captain Charlton to walk on his total the heel being raised an inch and a half the heel being raised an inch and a half, when he stood upright. The soft parts had a healthy aspect: and the circuit and the circuit. had a healthy aspect; and the cicatrix over the bone had not contracted a firmer union to the periosteum than it was the bone had not contracted a firmer union to the periosteum than it was the bone had not contracted a firmer union to the periosteum than it was the bone had not contracted a firmer union to the periosteum than it was the bone had not contracted a firmer union to the periosteum than it was the bone had not contracted a firmer union to the periosteum than it was the bone had not contracted a firmer union to the periosteum than it was the bone had not contracted a firmer union to the periosteum than it was the bone had not contracted a firmer union to the periosteum than it was the bone had not contracted a firmer union to the periosteum than it was the bone had not contracted a firmer union to the periosteum than it was the bone had not contracted a firmer union to the periosteum than it was the bone had not contracted a firmer union to the periosteum than it was the bone had not contracted a firmer union to the periosteum than it was the bone had not contracted a firmer union to the periosteum than it was the bone had not contracted a firmer union to the periosteum than it was the bone had not contracted a firmer union to the period that the bone had not contracted a firmer union to the period that the bone had not contracted a firmer union to the period that the bone had not contracted a firmer union to the period that the bone had not contracted a firmer union to the period that the bone had not contracted a firmer union to the period that the bone had not contracted a firmer union to the period that the bone had not contracted a firmer union to the period that the bone had not contracted a firmer union to the period that the bone had not contracted a firmer union to the period that the bone had not contracted a firmer union to the period that the bone had not contracted a firmer union to the bone had not contracted a firmer union the bone had not contracted a firmer union the bone had not con a firmer union to the periosteum than is usual with wounds situated directly over bone."

This description might, perhaps, be simplified by stating, that the tibia, 130 e junction of its upper and its middle this the junction of its upper and its middle thirds, formed an angle of between 130 and 140°, salient outwards

On the 10th of October, Sir A. Cooper made, with Mr. Key, a careful examination of the limb: and after hearing the history nation of the limb: and after hearing the history of the accident, and its consequences, he decided that the limb wish sequences, he decided that the limb might be restored to a useful state, and that the deformity might be remedied. He appeared to a useful state, and that the deformity might be remedied. He suggested, as the only means of restort tion, that the bones of the leg should be divided. tion, that the bones of the leg should be divided—doubting whether the that the of the tibia alone would be sufficient to set the fibula at liberty;—but that the tibia should first be divided: and, if necessary the tibia should first be divided; and, if necessary, the operation should be performed on the fibula. This was carried into effect and

"At the operation were present Sir Astley Cooper, Mr. Atkins, surgeon, who accompanied Captain Charlton from India, and under whose advice he acted.

Mr. Balderson, and my pupil Mr. Martes Mr. Balderson, and my pupil, Mr. Montefiore. The tibia was laid bare on the anterior surface, by a longitudinal incision and the surface of the surface. versed the line of the old wound, and allowed the integuments to be detached of each side; so that the anterior spine and the each side; so that the anterior spine and the attachment of the soleus were exposed, just above the site of the old fracture. posed, just above the site of the old fracture. A strong steel grooved director slightly curved, such as I use in operation for the steel grooved director. slightly curved, such as I use in operating for hernia, but narrow, was until passed along the outer surface of the tibic passed along the outer surface of the tibia, detaching the tibialis anticus, it reached the unyielding interessents ligament. it reached the unyielding interosseous ligament. By a little firmer pressure, and the director pierced it close to the bone. With another similar director, and by the same process, the inner and back surface of the same process, the inner and back surface of the same process. by the same process, the inner and back surface of the tibia was so far the tached from its muscles, that the ends of the tibia was so far the tached from its muscles, that the ends of the two directors met behind the bone.

A curved needle, on which was hooked a chain-saw, was then passed and growth or the outer director, and from the chain-saw, was then passed and the groove of the outer director, and from thence to the groove of the inner; was point being brought to view by a point of the groove of the inner; its point being brought to view by a pair of dressing-forceps, the saw half adjusted so as to cut the bone from behind. When the tibia was about half sawn through, the saw—as chain-saws too offer. sawn through, the saw—as chain-saws too often do, even when lightly used locked, and became useless: the section of the hard when lightly used locked, and became useless: the section of the bone was therefore completed from before, by a small common saw

As soon as the tibia was divided, Sir Astley Cooper, taking the foot in his and, found the lower part of the less quite from the les hand, found the lower part of the leg quite free to move in any direction, and that it was unnecessary to divide the fibria. that it was unnecessary to divide the fibula. As soon as the tibia was brought into a straight line, the head of the fibula was properly to its into a straight line, the head of the fibula was restored in some measure to its

natural position, and ceased to project in the unseemly manner it had done before the operation. The part where the tibia was divided gaped, as soon as the bones were straightened; and the point of contact between the sawn ends of the tibia was but a small portion of its outer circumference. The muscles had, from length of time, acquired so fixed a state, that some force was required to overcome their resistance: for as soon as the hand was removed from the foot, they immediately carried it inwards, to its former position."

The limb was allowed to remain unconfined on pillows, until granulation was stablished. At the end of about ten days the wound had quietly gone through its several stages, and had healed, with the exception of about an inch in the centre; this part continued more or less open for some weeks, discharging a healthy pus, and civilin the control of exfoliating bone.

healthy pus, and giving exit to a few minute portions of exfoliating bone.

The limit, and giving exit to a few minute portions of exfoliating bone. The limb, throughout the whole treatment, was kept upon the heel, with the thee straight. At first, two long lateral splints, well padded, were applied, so these were added, afterwards, an under as to embrace the foot on each side: to these were added, afterwards, an under splint to the foot on each side: to these were added, afterwards, an under splint, to give more effective support and steadiness to the limb. The constant tendency to the limb to give more effective support and steadiness to the limb. The constant tendency to the limb to t tendency to displacement was not effectually prevented by common tapes and bandares bandages: as these became slack, the leg assumed its former distorted position; and thus most and thus motion was given to the broken ends of the bone, in adjusting the line of the limb of the limb. To avoid this, which was not practicable by means of straps or bandares. To avoid this, which was not practicable by means of straps or bandages, a tourniquet was applied at either end of the splint. The length of lever enabled to lever enabled the upper tourniquet to act with great power on the foot, and to keep it in keep it in a straight line with the thigh. The lower one was kept firmly screwed to the heat to the heel of the two splints; thus keeping the foot firmly secured, and giving steadings of the two splints; thus keeping the foot firmly secured, and giving steadiness to the action of the upper tourniquet. This plan of keeping the tapes of the tendence of the action of the upper tourniquet. of the tourniquets tight, prevented motion or displacement in the ends of the bones. It bones. It was at one time contemplated to substitute the white-of-egg bandage, in place of the substitute the substitute the white-of-egg bandage, in place of the substitute the subs in place of the splints; but the attempt was unsatisfactory, as displacement of the limb gradually took place.

Firm union was not obtained before the beginning of January. Even then the fibula had not become quite stable in its new position, and splints and combandages were deemed requisite. The length of the limb appeared to be the curtailed.

The patient soon left town under the care of Mr. Atkins, and, on the 10th of March, that gentleman informed Mr. Key, by letter, that the long splints had left town. Several small portions of bone had come away, which had retarded the cicatrization of the wound. In other respects he was proceeding well.

# VI. CASE OF IMPERFORATE UTERUS, WITH REMARKS. By ALEXANDER TWEEDIE.

The fourth number of Guy's Hospital Reports contained the history of a case under Mr. Tweedie's care.

The subject of that case has again come Mrs. p. Tweedie's care.

Mrs. P. aged between 25 and 26, called December 31, 1838, to request Mr. of the 2nd of January, he was summoned to her. She had experienced slight first of January, the waters broke suddenly as she turned in bed.

Being analysis care.

Being much engaged, Mr. Tweedie sent an intelligent pupil, Mr. Batchelor to and the Patient. He returned at noon, and reported she was indeed in labour, uterus, through which he could feel the head presenting; but it had not dilated in the least during the time of his stay in the house; and altogether the state

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of parts was different from any thing he had before felt: he had given her had a drachm of laudanum, before leaving her had before felt: a drachm of laudanum, before leaving her. About two p.m. Mr. Tweedie sambles. her. The uterine contractions were intensely powerful and constant, resembling

those produced by the full action of ergot of rye.

"On examination, the pelvis was found amply capacious. At the utering tremity of the varing (which is a basic of the varing of the extremity of the vagina (which is short, and she is a little woman) was an incurrence gular opening, which posteriorly and let a little woman) was an incurrence with gular opening, which, posteriorly, and laterally, seemed continuous almost with the vagina, but anteriorly, was bounded by the vagina, but anteriorly, was bounded by a strong, firm, unyielding rigid edge, upon which, at each pain, the child's head was forcibly impelled. The entire opening might be about the error of a root of a opening might be about the area of a penny, rather less than more; and upon the anterior edge was plainly felt a circum, and upon the anterior edge was plainly felt a circum, and upon the anterior edge was plainly felt a circum. the anterior edge was plainly felt a cicatrix of the original incision, passing towards towards the left ilio-public invation. wards towards the left ilio-pubic junction. There was no trace of cervix uter I left her under Mr. Ratcheler's corporation. I left her under Mr. Batcheler's care; partly to try the efforts of nature somewhat longer, but principally to seek the advice of Dr. Ashwell. The doctor was not at home: so I returned about six c'alcal of Dr. Ashwell. not at home: so I returned about six o'clock P.M. in company with my friend and colleague, Mr. Lever.

We found our patient still suffering from undiminished pain; and the open a had not percentibly enlarged since Mr. B. diminished pain; and the open in the ing had not perceptibly enlarged since Mr. Batcheler had first seen her in the morning. The pulse was quickering the morning. The pulse was quickening, the skin was hot, the vagina was becomed hot and dry. We deemed it advisable to make the vagina was become having We deemed it advisable to wait no longer: therefore, having emptied the bladder, I introduced two fingers of the left hand as far as the office; and, upon them, a blunt pointed hit fice; and, upon them, a blunt-pointed bistoury, guarded with linen towards the handle, so as to leave no more than about the handle, so as to leave no more than about three-quarters of an inch free towards the extremity. This portion being turned towards the extremity. the extremity. This portion being turned upon the edge of the cicatrix, it was carefully divided, as in the manner recommend the edge of the cicatrix, hereign carefully divided, as in the manner recommended for the division of a hernal stricture.

The instrument was three times thus introduced, before the section was countered; and, at each step both Mr. I pleted; and, at each step, both Mr. Lever and Mr. Batcheler examined the progress made. Altogether nearly as incl. progress made. Altogether, nearly an inch in length was divided: almost no blood followed, nor did the incision correction.

blood followed, nor did the incision occasion any pain.

This extreme caution in the manner of operating proceeded from two causest, From the fact that the uterus control in the finger 1st, From the fact that the uterus contracted almost as soon as the finger touched it, and it was hence difficult to insert the line of the fine of th touched it, and it was hence difficult to insert the instrument: and, 2dly, from an apprehension, which Mr. Lever and myself entertained, that the bladder might have acquired adhesions posteriorly consequently and property operations. might have acquired adhesions posteriorly, consequent upon the former operation; for it was plainly felt, by each of my consequent upon the former to the tion; for it was plainly felt, by each of us, in very unpleasant proximity to the part about to be incised and it was proximity to the part about to be incised, and it was, moreover, somewhat prolapsed into the vagina. For a brief space of time after this the vagina. For a brief space of time, after this, there was a temporary lull in the uterine contractions, and she appeared rather than the was a temporary lull at water uterine contractions, and she appeared rather faint: a little brandy and water was given, and the pains soon returned. but Italian a little brandy and water was given, and the pains soon returned. was given, and the pains soon returned; but little progress was made for about three-quarters of an hour, when under a little progress was made for about three-quarters of an hour, when under a little progress was made for a little progress was made for a little brandy and the little progress was made for a little brandy and the three-quarters of an hour, when, under a severe pain, Mr. Batcheler, who was in anxious attendance, thinks an additional pain, Mr. Batcheler, and now in anxious attendance, thinks an additional rent took place. The head now immediately left the uterus and the delivered took place. immediately left the uterus, and the delivery was completed without further impediment. The child was applying to the complete without further impediment. The child was asphyxiated at the time of birth, and will see by Mr. Batcheler. It was a specific and the time of birth, and will be the second difficulty restored by Mr. Batcheler. It was a female, and quite full grown, of some pain over the pubes followed, but it yielded to Dover's powder, to nature, and, on the 23rd she could be some powder, and on the 23rd she could be seen to proper the cou

to nature, and, on the 23rd, she could take a walk of four miles.

died on the 6th.

Mr. Tweedie mentions the following additional facts:-

The child which was born to her in her first confinement is well and thriving is rather more than two years old. Show the same than two years old. it is rather more than two years old. She suckled it fifteen months, from the right breast alone: the left, which had no suckled it fifteen months, asset to right breast alone: the left, which had no nipple, had, after a time, ceased to secrete milk, and was shrunk up. Donier to secrete milk, and was shrunk up. During the time she was suckling, she believes she miscarried twice: once when two routh me she was suckling, she three she miscarried twice; once when two months advanced, and again when three months gone. She had no attendance either time months gone. She had no attendance either time, and was not laid up. not pregnant, she always menstruated every month, even during the suckling. hence arose the confusion in her calculation this time. She has been generally in pool to the confusion in her calculation this time. in good health: she has had, occasionally, a slight watery discharge in the intervals of the same extent as was intervals of the catamenial periods, though not nearly to the same extent as was noticed prior to her first gestation. Marital congress has always occasioned pain, especially since the period of her first confinement.

Mr. Tweedie offers the following as the probable explanation of the circumstances of the case.

It is an ascertained fact, that our patient has no cervix uteri; that is to say, that portion of the uterus commonly called the cervix, which protrudes from its body into of the uterus commonly called the cervix, which protrudes from its body into the vagina, which is not covered by peritoneum, and which, in the unimpression to the vagina, which is not covered by peritoneum, and which is not covered by peritoneum, and which is not covered by peritoneum. unimpregnated state, constitutes nearly a third part of the length of the whole organ, is in this woman totally wanting.—As a curious coincidence with this malformatic there is no nipple in the left breast. maiformation, it is worth mentioning, that there is no nipple in the left breast. There have There being thus no cervix, it is evident that the glandular or follicular structure of the part of the part cannot exist; but it does not therefore follow that there was no opening it cannot exist; but it does not therefore follow that there was an openopening into the womb prior to impregnation. We believe there was an opening, but not surrounded by the glandular structure which naturally exists here: hence, when impregnation took place, the ordinary mucous secretion could not be found. be found, to seal it up; and is it very unreasonable to imagine, that, under this malformatic mailormation of parts, adhesive matter, instead of mucus, might have been poured forth. poured forth, and thus, by adhesion, as pregnancy advanced, the orifice have become entirely obliterated?

With regard to the second confinement, it is stated, that an os uteri existed, irregular to the second confinement, it is stated, that an os uteri existed, of irregular form, posteriorly and laterally appearing almost continuous with the vagina, but vagina, but anteriorly bounded by a strong, firm, unyielding, rigid edge, upon which one call of the first incision could be plainly felt, passing which one of the cicatrices of the first incision could be plainly felt, passing forwards to the cicatrices of the first incision could be plainly felt, passing forwards towards the left ilio-pubic junction. It is probable, that, before we were called Were called to her, the labour-pains had already separated the adhesions; which were described her, the labour-pains had already separated the adhesions; which were described, after the first labour, as proceeding backwards from the artificial uteri which, after the first labour, as proceeding backwards from the artificial of uteri which are the first labour, as proceeding this way had occasioned the irreos uteri which Dr. Ashwell had cut; and in this way had occasioned the irregular figure which we found at the time of our examination. At all events, this fact tand this fact tends, in my mind, strongly to corroborate the accuracy of our report two years two years ago; for it is certain that this was the opening which had been made at the forms. at the former confinement, because upon its border terminated the scar of adhesion above described. And there was no other opening nor cicatrix to mark Mr. The might have existed from the vagina into the womb."

Mr. Tweedie quotes some other cases, which it does not seem necessary for to partial quotes some other cases, which it does not seem necessary for the partial quotes some other cases, which is the partial partial quotes and partial quotes are presented to the partial quotes are pre us to particularise. With the single, but not uncalled for, observation, that his communication. communication is both interesting and instructive, we pass to the next paper.

VII. On Incision in Cases of Occlusion and Rigidity of the UTERUS. By SAMUEL ASHWELL, M.D.

Dr. Ashwell's opinion is justly prized by those who are aware of his zeal and tainments. attainments. We cite it, therefore, with pleasure, and our readers may consult with advant. with advantage. Dr. Ashwell observes:—

I am desirous to make a few brief and practical observations on the safety incision: of incision, in most cases of entire closure of the os uteri; and in some, of the example. On the example of th rare examples of its extreme rigidity at the time of labour. It is essential to be thus examples of its extreme rigidity at the time of labour. It is essentially thus explicit in defining the cases where such an operation is required, to guard against a rach and of the knife: and it may unhesitatingly be against a rash and unwarranted use of the knife; and it may unhesitatingly be affirmed, that the practitioner, before such a procedure is determined on, ought to be most fully be most fully convinced that the patient's safety can be better secured by this than by any convinced that the patient's safety can be better secured by this than by any other method. It may too be observed, that the medical attendant should not, except when a consultation cannot be obtained, adopt the plan now proposed on his proposed on his own responsibility.

1st, That incision is the safest remedy, where the os is in a state of firm and mplete closure; or in other words rule. complete closure; or, in other words, where the uterus, so far as its lower or is concerned, is imperforate, and

is concerned, is imperforate: and,

2ndly, That in examples of such extreme rigidity of the os, where, after hours strong uterine effort, the power of diletering of strong uterine effort, the power of dilatation is entirely absent, whether rigidity arise from disease in the attraction is entirely absent, whether rigidity arise from disease in the structural organization of the part, or resulted from previous laceration and all organization of the part, resulted from previous laceration and ulceration, incision is the best and safet treatment; far preferable to protrected and treatment; far preferable to protracted and powerful dilatation of the os by the finger; or, on the principle of pap interfer finger; or, on the principle of non-interference, to leaving the case to natural efforts.

a. Dr. Ashwell alludes, without approbation, to the opinion that, in many stances, an oblique cervix the carbon results and the opinion that, in many instances, an oblique cervix, the os being situated unnaturally high, is mistaked for occluded os uteri.

There can be but little difficulty in the diagnosis of instances of complete and m closure of the os. When participate the control of the con firm closure of the os. When parturient effort is really established, the lover portion of the uterus, in the form of a torse portion of the uterus, in the form of a tense and large globular mass, is generally forced down very low cometimes are and large globular mass, attended rally forced down very low, sometimes so far, as nearly to reach the external entrance of the vagina. Thus a finger at all entrance of the vagina. Thus a finger—at all practised in these inquiries detect an aperture, if there he oney and if detect an aperture, if there be one; and, if not, the spot where the os uter, at the time of conception, had been

A repetition of uterine action will afford abundant opportunities for careful-examination; so that no applicant for in the case of the cas re-examination; so that no apology for indiscreet and dangerous delay case exist. If, too, a spot shall be discovered exist. If, too, a spot shall be discovered—more depressed, and of different structure to the surrounding parts indicating the structure to the surrounding parts, indicating the site of the os uter the time of impregnation, it is impossible the the time of impregnation, it is impossible then to doubt about the nature of the case.

The treatment of such a case naturally claims attention. He intreats protioners to pause before they determine titioners to pause before they determine on large bleedings and delay dangerous. Two other remedies offer themselves:—

1. Such an amount of pressure, by the content of pressure by th

1. Such an amount of pressure, by the finger, female catheter, sound, of ugie, as shall puncture or open the cocker.

bougie, as shall puncture or open the occlusion : and,

"When the occlusion," he goes on to remark, "is slight, depending on a thing membrane, interposed between the margins or filling up the circumference of the os, similar to the membrane found between the os, similar to the membrane found between the adherent labia of femble children, the finger, as recommended by N children, the finger, as recommended by Nægele, in his very interesting may produce a separation or orifice. Or if the may produce a separation or orifice; or, if this digital pressure be insufficient the catheter, sound, or bought may could be a separation or orifice; or, if this digital pressure be insufficient. wards to be expected, if the structure of the cervix be healthy, that dilatation of the os will proceed as satisfactorily as in the many the os will proceed as satisfactorily as in the many cases where this office is naturally small. In such, we rarely find the In such, we rarely find the power of dilatation absent.

This method of proceedure is, he conceives, inapplicable, where the interposal llular membrane, shutting up the os has been been and cellular membrane, shutting up the os, has become thoroughly organized firm; so much so, indeed, as effectually to have firm; so much so, indeed, as effectually to have resisted twelve, twenty, of thirty hours of most urgent uterine effort. thirty hours of most urgent uterine effort. The forcible use of the finger of catheter must necessarily give rise to contusion and the contusion of the findicely catheter must necessarily give rise to contusion, and this would be not unlikely to give birth to partial, if not general utering in a necessarily give rise to contusion. to give birth to partial, if not general uterine inflammation. It may too, perhaps he adds, be fairly assumed, that the rick of manufacture in the state of manufacture in he adds, be fairly assumed, that the risk of unlimited laceration of the uters and adjacent parts is much less, where incident and adjacent parts is much less, where incisions of tolerable extent have been discreetly made, than where merely a diminution tolerable extent has been discreetly made, than where merely a diminutive central aperture has been formed by a blunt instrument.

b. Having proved, for we conceive it is proved, the value of incision in cases occlusion of the cervix uteri. Dr. Ashwell next the value of incision in cases of the case of t of occlusion of the cervix uteri, Dr. Ashwell next attempts to prove that incision may also be practised with advantage in cases with the provential of the cervix uteri, Dr. Ashwell next attempts to prove that incision in the control of the cervix uteri, Dr. Ashwell next attempts to prove that incision in the cervix uteri, Dr. Ashwell next attempts to prove that incision in the cervix uteri, Dr. Ashwell next attempts to prove that incision in the cervix uteri, Dr. Ashwell next attempts to prove that incision in the cervix uteri, Dr. Ashwell next attempts to prove that incision in the cervix uteri, Dr. Ashwell next attempts to prove that incision in the cervix uteri, Dr. Ashwell next attempts to prove that incision in the cervix uteri, Dr. Ashwell next attempts to prove that incision in the cervix uteri, Dr. Ashwell next attempts to prove that incision in the cervix uteri, Dr. Ashwell next attempts to prove that incision in the cervix uteri, Dr. Ashwell next attempts to prove that incision in the cervix uteri, Dr. Ashwell next attempts to prove that incision in the cervix uteri, Dr. Ashwell next attempts to prove that incision in the cervix uteri, Dr. Ashwell next attempts to prove the cervix uteri, Dr. Ashwell next attempts to prove the cervix uteri, Dr. Ashwell next attempts to prove the cervix uteri, Dr. Ashwell next attempts to prove the cervix uteri, Dr. Ashwell next attempts to prove the cervix uteri, Dr. Ashwell next attempts to prove the cervix uteri, Dr. Ashwell next attempts to prove the cervix uteri, Dr. Ashwell next attempts to prove the cervix uteri, Dr. Ashwell next attempts to prove the cervix uteri, Dr. Ashwell next attempts to prove the cervix uteri, Dr. Ashwell next attempts to prove the cervix uteri, Dr. Ashwell next attempts to prove the cervix uteri, Dr. Ashwell next attempts to prove the cervix uteri, Dr. Ashwell next attempts to prove the cervix uteri, Dr. Ashwell next attempts to prove the cervix uteri, Dr. Ashwell next attempts to prove the cervix uteri, Dr. Ashwell next attempts to prov may also be practised with advantage in cases where the os uteri is excessively rigid.

"It will not be supposed that I recommend the knife to be at once employed these are supposed that I recommend the knife to be at once employed in these more complicated maladies; but I am confident—so far, at least, as it is possible. is possible to be confident, in cases where a high probability must be our only guide that they might often have been guide—that where fatal results have occurred, they might often have been prevented to the fatal results have occurred, they might often happened, as the prevented by timely incision of the parts. But it has too often happened, as the appended cases shew, either that the operation has been performed too late, or that a too shew, either that the operation has been performed too late, or that a too shew, either that the operation has been performed too late, or that a too shew, either that the operation has been performed too late, or that a too shew, either that the operation has been performed too late, or that the operation has been performed too late, or that the operation has been performed too late, or that the operation has been performed too late, or that the operation has been performed too late, or that the operation has been performed too late, or that the operation has been performed too late, or that the operation has been performed too late, or that the operation has been performed too late, or that the operation has been performed too late, or that the operation has been performed too late, or that the operation has been performed too late, or the operation has been performed to the operation has been perfo that a too powerful dilatation by the finger, and an unwise reliance on the natural or natural efforts, have altogether superseded its employment. Examples of entire occlusion of the superseded its employment. occlusion without disease, like those to which I have already alluded, are much more rare than extreme rigidity of the cervix and a diminished os: nor will it be found be found quite so easy in the latter, as in the former class of cases, to determine the breciant so easy in the latter, as in the former class of cases, to determine the precise moment when bleeding, diaphoretics, fomentation, and delay, are to yield to the yield to the use of the bistoury; still the general safety of incision, and the slown and imminent danger of protracted and severe uterine effort and contusion, ought to induce an earlier, rather than a deferred operation. A careful perusal of the perusal of the cases and authorities appended to this essay, especially Smellie's can scarcely fail to impress this conviction. In every instance, or nearly so, where the where the division of the morbid structure has been made prior to the occurrence of inflamentation of the morbid structure has been made prior to the occurrence of inflammation of the morbid structure has been made prior to the fewest possible had on and sinking, it has succeeded; and, generally, with the fewest possible had possible bad symptoms. Where, on the contrary, violent uterine action, contrary to the symptoms. trary to the sagacious directions of the experienced Dr. Hamilton, has been allowed to a sagacious directions of the experienced Dr. Hamilton, has been though the sagacious directions of the experienced Dr. Hamilton, has been though the sagacious directions of the experienced Dr. Hamilton, has been the sagacious directions of the experienced Dr. Hamilton, has been the sagacious directions of the experienced Dr. Hamilton, has been the sagacious directions of the experienced Dr. Hamilton, has been the sagacious directions of the experienced Dr. Hamilton, has been the sagacious directions of the experienced Dr. Hamilton, has been the sagacious directions of the experienced Dr. Hamilton, has been the sagacious directions of the experienced Dr. Hamilton, has been the sagacious directions of the experienced Dr. Hamilton, has been the sagacious directions of the experienced Dr. Hamilton, has been the sagacious directions of the experienced Dr. Hamilton, has been the sagacious directions of the experienced Dr. Hamilton, has been the sagacious directions of the experienced Dr. Hamilton, has been the sagacious directions of the experienced Dr. Hamilton, has been the sagacious directions of the experienced Dr. Hamilton, has been the sagacious directions of the experienced Dr. Hamilton, has been the sagacious directions of the experienced Dr. Hamilton, has been the sagacious directions of the experienced Dr. Hamilton, has been the sagacious directions of the experienced Dr. Hamilton, has been the sagacious directions of the experienced Dr. Hamilton, has been the sagacious directions of the experienced Dr. Hamilton, has been the sagacious directions of the experienced Dr. Hamilton, has been the sagacious directions of the experienced Dr. Hamilton, has been the sagacious directions of the experienced Dr. Hamilton, has been the sagacious directions of the experienced Dr. Hamilton, has been the sagacious directions of the experienced Dr. Hamilton, has been the sagacious directions of the experienced Dr. Hamilton directions dir allowed to go on for a great number of hours—say, twelve, fifteen, twenty-four, or even n 1 go on for a great number of hours—say, twelve, fifteen, twenty-four, or even n 1 go on for a great number of hours—say, twelve, fifteen, twenty-four, or even n 1 go on for a great number of hours—say, twelve, fifteen, twenty-four, or even n 1 go on for a great number of hours—say, twelve, fifteen, twenty-four, or even n 1 great number of hours—say, twelve, fifteen, twenty-four, or even n 1 great number of hours—say, twelve, fifteen, twenty-four, or even n 1 great number of hours—say, twelve, fifteen, twenty-four, or even n 1 great number of hours—say, twelve, fifteen, twenty-four, or even n 1 great number of hours—say, twelve, fifteen, twenty-four, or even n 1 great number of hours—say, twelve, fifteen, twenty-four, or even n 1 great number of hours—say, twelve, fifteen, twenty-four, or even n 1 great number of hours—say, twelve, fifteen, twenty-four, or even n 1 great number of hours—say, twelve, fifteen, twenty-four, or even n 1 great number of hours—say, twelve, fifteen, twenty-four, or even n 1 great number of hours—say, twelve, fifteen, twenty-four, or even n 1 great number of hours—say, twenty-four, or even n 1 great number of hours—say, twenty-four, or even n 1 great number of hours—say, twenty-four, or even n 1 great number of hours—say, twenty-four, or even n 1 great number of hours—say, twenty-four, or even n 1 great number of hours—say, twenty-four, or even n 1 great number of hours—say, twenty-four, or even n 1 great number of hours—say, twenty-four, or even n 1 great number of hours—say, twenty-four, or even n 1 great number of hours—say, twenty-four, or even n 1 great number of hours—say, twenty-four, or even n 1 great number of hours—say, or even a longer period—the result has been generally unfavourable, often fatal; and still more certainly so, where, during a portion of this time, powerful dilatation has been retainly so, where Dilatation by the fingers is not tation has been long and forcibly employed. Dilatation by the fingers is not the same operations and forcibly employed. the same operation here, as to its safety, which it is found to be in examples of rigidity not dependent on, or associated with, local or structural malady. It is true, that is true, that, in transverse and placental presentations, artificial dilatation is often practised with safety and advantage. Neither the mouth nor neck of the womb, both being healthy, suffer from the process: prevention of hamorrhage, and a freedom of healthy, suffer from the process: and a freedom from useless and exhausting pain, are the results of the process: but where the cervix is rigid, contracted, and diseased, and the os so small as scattely to he scarcely to be recognised, powerful and long-continued artificial dilatation must be a dangerous scarcely to be expected that it should relax the be a dangerous remedy. It is scarcely to be expected that it should relax the parts and lead remedy. It is scarcely to be expected that it should irritate, and parts and lead to dilatation: it is much more likely that it should irritate, and thus induce:

thus induce inflammation, gangrene, and death."

Dr. Ask Dr. Ashwell goes on to observe:—The simplest, perhaps, of the examples of gid os mani. rigid os uteri is where a very contracted orifice is surrounded by a structure almost entirely undilatable. In such a case, although there may be little if any arrivation of indication of organic change, still, if there be a total absence of the power of dilatation of organic change, still, if there be a total absence of the power of organic change, still, if there be a total absence of the power of organic change, still, if there is a total absence of the power of organic change, still, if there is a total absence of the power of organic change, still, if there is a total absence of the power of organic change, still, if there is a total absence of the power of organic change, still, if there is a total absence of the power of organic change, still, if there is a total absence of the power of organic change, still, if there is a total absence of the power of organic change, still, if there is a total absence of the power of organic change, still, if there is a total absence of the power of organic change, still, if there is a total absence of the power of organic change, still, if there is a total absence of the power of organic change, still, if there is a total absence of the power of organic change, still, if there is a total absence of the power of organic change, still, if there is a total absence of the power of organic change, still a total absence of the power of organic change is a total absence of the power of organic change is a total absence of the power of organic change is a total absence of the power of organic change is a total absence of the power of organic change is a total absence of the power of organic change is a total absence of the power of organic change is a total absence of the power of organic change is a total absence of the power of organic change is a total absence of the power of organic change is a total absence of the power of organic change is a total absence of the power of organic change is a total absence of the power of organic change is a total absence of the power of organic change is a total absence of the power of organic change is a total absence of the power of organic change is a total absence of the power of organic change is a total dilatation of organic change, still, if there be a total absence of the partial dilatation, after the use of free venesection and antimony—time having been allowed for the use of free venesection are case cannot be long trusted with allowed for their beneficial effects—such a case cannot be long trusted with safety, either to the natural efforts or artificial dilatation. Other examples are not so simple as this. Many, probably the majority, are the consequence of previous as this. Many, probably the majority, are the consequence in the consequence of t some previous morbid occurrence. The os and cervix may have been injured in a former labour: abscesses, ulcerated surfaces, and cicatrizations, may have closed; and thus the uterine orifice may have become nearly, if not entirely is and thus the uterine orifice may have become nearly, if not entirely is and the uterine orifice may have become nearly, if not entirely is and the uterine orifice may have become nearly, if not entirely is and the uterine or the urethra, bladder, and vagina, so altered, place: thus the uterine orifice may have become nearly, it not closed; and the relative situation of the urethra, bladder, and vagina, so altered, as to render the relative situation of the urethra, bladder, and hazardous: or it may as to render the division of parts much more difficult and hazardous: or it may be, that a hard division of parts much more difficult and hazardous is or it may be. be, that a hard tumor, or a more malignant and active deposit, has imbedded itself in these tumor, or a more malignant and the natural structure of the itself in these parts, totally altering the os and the natural structure of the cervix. In one essential particular, all these varieties will be found to agree; viz, in the difficulty and compared cervix are dilated; while in some, viz. In one essential particular, all these varieties will be found to some, and not a few color with which the os and cervix are dilated; while in some, and not a few color will have been entirely and not a few of them, the susceptibility of dilatation will have been entirely

Supposing the incapability of dilatation satisfactorily established, supposing

that bleeding and every adjuvant remedy have been fairly, but unsuccessfully tried, Dr. A. believes that we ought not to hesitate about incising the certification where the violence and frequent return of the uterine effort threatens ruptured the womb. If there be distressing and constant pain about the neck or both of the uterus, or in any other part; if the countenance becomes turgid dark; if perspiration issues at every pore, and the pulse is full, strong, and incompressible: and if these symptoms continue, although perhaps somewhat lessened by bleeding and antimony; there can be no doubt that recourse should be had to the incision. It is impossible to fix a precise limit during should be had to the incision. It is impossible to fix a precise limit during the sole ingredient, although an essential part of every rule, regulating interference in obstetric cases.

"The operation," he remarks, "in any of the cases, whether it be on an of mly closed, yet without organic show of the cases, whether it be on an of mly closed, yet without organic show of the cases, whether it be on an of mly closed. firmly closed, yet without organic change—or on an os very diminutive and contracted, with or without surrounding disease, but entirely undilatable generally, easily performed. A probe-pointed being the instrugenerally, easily performed. A probe-pointed knife or bistoury is the instrument most safely used :—the woman bis a second control of the ment most safely used :—the woman bis a second c ment most safely used;—the woman lying, either on her left side or close to the edge of the bed. The forefinger of the left hand is to be carried to that spot of the cervix intended to be contained. that spot of the cervix intended to be cut: afterwards, the knife or bistoury to be cautiously conveyed, along the form to be cautiously conveyed, along the finger in the vagina, to the spot already mentioned; and if its point be continued to be cautiously conveyed, along the finger in the vagina, to the spot already mentioned; mentioned; and if its point be gently pushed against the uterine structure, will completely incise the parietes. will completely incise the parietes. In Mrs. Purcell's case, I carried the first of all, forwards, toward the pariety of the little to the lit first of all, forwards, toward the neck of the bladder (which was empty), about fully avoiding it: afterwards towards the fully avoiding it; afterwards towards the sacrum, making an incision about two inches long. The liquor ampii will peace the first two inches long. two inches long. The liquor amnii will necessarily escape as soon as the incision is made. The instrument may now here are soon as the incision is made. incision is made. The instrument may now be carefully withdrawn, and the further dilatation left to nature. It is scarcely to be dilatation left to nature. It is scarcely to be expected that all rending should be avoided; but the extent of the tearing is a late of the tearin be avoided; but the extent of the tearing is, as has been already stated, generally confined within the limits of the various. confined within the limits of the vagina. I have no experience of the better effect of a crucial incision. in preventing extending the property of the period of the better than the property of the period of the better than the period of the bette effect of a crucial incision, in preventing extensive laceration; but I am favour ably inclined to it. It is not probable that much her arrived in the state of t ably inclined to it. It is not probable that much blood will be lost during of after the operation: in my own cases or leave the operation. should be fainting and collapse, after the incision of the parts, brandy and the monia may be freely exhibited. It is a reason of the parts, brandy that monia may be freely exhibited. It is a necessary preliminary step that the bladder and rectum be emptied of their contents. In Mrs. Purcell's case, birth of the child was accomplished in both in the branch of the child was accomplished in both in the branch of the child was accomplished in both in the child was accomplished. birth of the child was accomplished, in both instances, without instrumental aid; but the forceps is not unfrequently aid; but the forceps is not unfrequently necessary safely to terminate the labour."

VIII. OBSERVATIONS ON ABDOMINAL TUMORS AND INTUMESCENCE: ILLUS TRATED BY CASES OF RENAL DISEASE. By R. BRIGHT, M.D. F.R.S.

The present is a sequel to those valuable papers on Abdominal Tumors, which we have, in former numbers presented an account. Of Dr. Bright's unwearied diligence and untiring zeal it is not necessary for us to speak.

The object of this communication is to exhibit such abdominal tumors as depend on enlargement of the kidney. The affections of that organ unattended with augmentation of dimensions do not come within its contraction.

The chief diseases which have given rise to renal tumor in Dr. Bright's every perience have been—when numerous cysts have been developed in the substance of the kidney; when puriform matter has collected in the pelvis, and converted the distended kidney into a bag of pus;—when fungoid or malignant changes that taken place in the kidney;—when fungoid matter or blood has been accur mulated in the pelvis. Dr. B. has known the enlarged kidney to be mistaken for disease of the spleen—of the ovary—of the uterus—and for a tumor developed

in the concave part of the liver: nor is it perhaps possible, by the greatest care and the most part of the liver: nor is it perhaps possible, by the greatest care

and the most precise knowledge altogether to avoid such errors.

Of the Of the anatomical position and relations of the kidneys it does not seem requisite for us to speak. After skimming along them, Dr. Bright concludes:—
Althous to speak. After skimming along them, in its natural condition, Although closely attached to the muscles of the loins in its natural condition, in the enlargement shews yet, in those diseases in which it most rapidly increases, the enlargement shews the those diseases in which it most rapidly increases, the emargement that towards the loins; not only towards the anterior part of this part is more calculated to loins; not only because the firm structure of this part is more calculated to conceal a to only because the firm structure of this part is more calculated to conceal a tumor, but also because in the other direction it meets with less immediate resistance; so that it often happens, while we are examining the lumbar region with the lumbar and doubtful evidence of fulness region with the greatest care, and obtaining but a doubtful evidence of fulness and hardness the greatest care, and obtaining but a doubtful comparison of the and with the greatest care, and obtaining but a doubtful evidence of the and hardness by the eye, and by the touch, and by careful comparison of the two sides two sides, we can scarcely place the hand upon the anterior or even the lateral part without han scarcely place the hand upon the existence of a distinct tumor; part without becoming at once sensible of the existence of a distinct tumor;—and then problem as the tumor backward, the other hand clearly and then, probably, by pressing that tumor backward, the other hand clearly informs us of the lains. The part in which the tumor is informs us of its connection with the loins. The part in which the tumor is felt, will as felt, will, of course, vary according to the nature of the disease, and to the partin of the course, where the whole portion of the kidney which it occupies; and in some cases, where the whole substance of the kidney which it occupies; and in some cases, where the whole substance of the kidney which it occupies; and in some cases, where the en-largement from the beginning, the hardness or tumor will be early detected in the loins. The beginning, the hardness or tumor will be early detected in sement from the beginning, the hardness or tumor will be early delibered the loins. Thus we find, that a rapidly-increasing fungoid disease in the right kidney may have been supported by the way beneath the liver; a large colkidney may be chiefly perceived pushing its way beneath the liver; a large collection of the chiefly perceived pushing its way be natural cavity of the kidney. lection of pus, or other accumulation, enlarging the natural cavity of the kidney, will probable, or other accumulation, enlarging the anterior part, and, from the will probably be felt most distinctly towards the anterior part, and, from the assistance of before most distinctly towards the umbilicus and the assistance of gravitation, will occupy a place between the umbilicus and the chista ilii; while, on the contrary, a kidney enlarged by numerous cysts, affording a companie, on the contrary, a kidney enlarged by numerous cysts, affording a companie, on the contrary, a kidney enlarged by numerous cysts, affording a companie, on the contrary, a kidney enlarged by numerous cysts, affording a companie, on the contrary, a kidney enlarged by numerous cysts, affording a companie, on the contrary, a kidney enlarged by numerous cysts, affording a companie, on the contrary, a kidney enlarged by numerous cysts, affording a companie, on the contrary, a kidney enlarged by numerous cysts, affording a companie, on the contrary, a kidney enlarged by numerous cysts, affording a companie, on the contrary, a kidney enlarged by numerous cysts, affording a companie, on the contrary, a kidney enlarged by numerous cysts, affording a companie, on the contrary, a kidney enlarged by numerous cysts, affording a companie, on the contrary, a kidney enlarged by numerous cysts, affording a companie, on the contrary, a kidney enlarged by numerous cysts, a companie, on the contrary, a kidney enlarged by numerous cysts, and a companie, on the contrary cysts and a companie, on the contrary cysts and a cysts a cysts a cysts and a cysts a ing a comparatively solid and uniform increase to the whole organ, will be most distinctly for distinctly felt occupying the lumbar space, and giving solidity and firmness to that part. that part. It will likewise be found that when inflammation has pervaded the kidney, or attacked the external part, it will be bound down to its natural situation situation, and completely fixed in the loins; not advancing, as the fungoid kidney often disconnected fixed in the loins; not advancing, as the fungoid kidney often does, towards the anterior part of the abdomen.'

a. Enlargement of the right kidney may be mistaken, if it makes its way disease about Glisson's capsule, for disease of the colon or cæcum, or for enlargement of the liver, for disease of the colon or cæcum, or for enlargement of the colon or cæcum. largement of the ovary or uterus.

To distinguish it from enlargement of the liver, Dr. Bright judiciously advises to attend to it from enlargement of the liver, he remarks, be healthy, we us to distinguish it from enlargement of the liver, Dr. Bright Judicious, we shall probable its relations to the ribs. If the liver, he remarks, be healthy, we shall probably find that the tumor, as the patient lies on his back, instead of passing fairly find that the tumor, as the patient lies on his back, instead of passing fairly find that the tumor, as the patient lies on his back, instead of passing fairly find that the tumor, as the patient lies on his back, instead of passing fairly find that the tumor, as the patient lies on his back, instead of passing fairly find that the tumor, as the patient lies on his back, instead of passing fairly find that the tumor, as the patient lies on his back, instead of passing fairly find that the tumor, as the patient lies on his back, instead of passing fairly find that the tumor, as the patient lies on his back, instead of passing fairly find that the tumor, as the patient lies on his back, instead of passing fairly find that the tumor, as the patient lies on his back, instead of passing fairly find that the tumor, as the patient lies on his back, instead of passing fairly passing fairly under the ribs, dips downwards, so as to allow the finger to lie between there are the ribs, dips downwards, we seldom have disease between them and the upper part of the tumor. Again, we seldom have disease of the liver to and the upper part of the tumor. Again, we seldom have disease as the liver to an and the upper part of the tumor. of the liver to the extent which is here supposed, without producing some pretty decided symptoms, either in the colour of the eye, or the tinge of the skin, or in the deep colours, either in the colour of the eye, or the tinge of the skin, or in the deep colours, either in the colour of the eye, or the tinge of the skin, or in the deep colours, either in the colour of the eye, or the tinge of the skin, or in the deep colours, either in the colour of the eye, or the tinge of the skin, or in the deep colours, either in the colour of the eye, or the tinge of the skin, or in the deep colours, either in the colour of the eye, or the tinge of the skin, or in the deep colours, either in the colour of the eye, or the tinge of the skin, or in the deep colours, either in the colour of the eye, or the tinge of the skin, or in the deep colours.

the deep colour of the urine, or the diseased secretions evinced by the stools. Disease of the urine, or the diseased secretions evinced by the Disease of the liver may be combined with that of the kidney, as in malignant sease. It matter of very little consequence. But Dr. Bright hopes that even here it is possible, that It seems to us that, under such circumstances, a precise diagnosis is a possible, that should the urine be altered in its character, more particularly if it contain pus, and, in addition to other symptoms of hepatic affection, should the peculiar hand, in addition to other symptoms of hepatic affection, should the best affection of the liver, peculiar hard, in addition to other symptoms of hepatic affection, successive peculiar hard tubera, which, under such circumstances, often form in the liver, the perceptible successive peculiar hard tubera, which, under such circumstances, often form to a correct diagnosis as to both be perceptible under the ribs, we might come to a correct diagnosis as to both the diseases the diseases. We may, moreover, in this case, derive much assistance, from the control of the hollow inascertaining by the feel and by percussion, the exact situation of the hollow intestines, for all the feel and by percussion, the exact situation of the hollow intestines, for all the feel and by percussion, the exact situation of the hollow intestines, for all the feel and by percussion, the exact situation of the hollow interest the feel and by percussion, the exact situation of the hollow interest the feel and by percussion, the exact situation of the hollow interest the feel and by percussion, the exact situation of the hollow interest the feel and by percussion, the exact situation of the hollow interest the feel and by percussion, the exact situation of the hollow interest the feel and by percussion, the exact situation of the hollow interest the feel and by percussion, the exact situation of the hollow interest the feel and by percussion, the exact situation of the hollow interest the feel and by percussion, the exact situation of the hollow interest the feel and by percussion, the exact situation of the hollow interest the feel and by percussion, the exact situation of the hollow interest the feel and by percussion in th testines, for although it is true that they suffer great displacement, yet, if we have any of the suffer great displacement, yet, if we have any of the suffer great displacement, yet, if we have any of the suffer and any of them anterior to the tumor, and lying over it, we may generally infer the tumor, and lying over it, we may generally infer the tumor. hat the tumor does not form a part of the liver; as it is very improbable that No. LXI

such a growth should arise from the concave surface of the liver, as to have and

The cæcum and ascending colon are liable to disease, and to enlargement both om the presence of flatus and from from the presence of flatus and from accumulation of fæces, and occasionally from other accumulations. In all the from other accumulations. In all these cases the disturbance of the functions of the large intestines will formick useful. in cases of flatulent distention, ascertain the fact by percussion, and by the rapid alterations which the tumor undergoes. alterations which the tumor undergoes. In cases of fæcal abscess, a disease roll common from lodgments taking place in the common from lodgments taking place in the vermiform process, the febrile symptoms generally run much higher them. toms generally run much higher than in renal tumors: there is often externinflammation, and much tendernoses and running tumors. inflammation, and much tenderness; and, above all, the tumor is often too low in the iliac region to be probable. too low in the iliac region to be probably produced by the kidney, though Bright has known such abscesses discharged by the kidney, though Bright has known such abscesses discharge their contents almost in the lumber region. In cases where concretions have region. In cases where concretions have formed, occupying a large portion of the case where concretions have formed, occupying a large portion look to cæcum, considerable difficulty may arise in the diagnosis, if we simply look the tumor; but the disturbance of the bowels, the intense abdominal pains, and tormenting collection of flatus, will be our guide.

Perhaps, says Dr. Bright, the most frequent mistake is to consider the enlarged by kidney, an ovarian or uterine tumor. The history of the disease offered patients is fallacious. Dr. Bright contribute patients is fallacious. Dr. Bright contributes some hints towards their discrimination.

nation.

"The present situation of the tumor will enable us to discover that it is not nected with the pelvic viscers and all makes is the nected with the pelvic viscers and all makes is the nected with the pelvic viscers and all makes is the nected with the pelvic viscers and all makes is the nected with the pelvic viscers and all makes is the nected with the pelvic viscers and all makes is the nected with the pelvic viscers and all makes is the nected with the pelvic viscers and all makes is the nected with the pelvic viscers and all makes is the nected with the pelvic viscers and all makes is the nected with the pelvic viscers and all makes is the nected with the pelvic viscers and all makes is the nected with the pelvic viscers and all makes is the nected with the pelvic viscers and all makes is the nected with the pelvic viscers and all makes is the nected with the pelvic viscers and all makes is the nected with the connected with the pelvic viscera; and usually there is a distinct sulcus which the hand may be placed between the which the hand may be placed, between the tumor and the pelvis. Another point to be attended to, is, the situation of the land point to be attended to, is, the situation of the hollow viscera; which, by careful examination, will be found to overlap, or to poss any viscera; examination, will be found to overlap, or to pass over the surface of the tumor—and this, together with the history of its —and this, together with the history of its growth, ought sufficiently to our judgment. Occasionally, the overland towards the sufficiently to our judgment. our judgment. Occasionally, the ovarian tumor assumes such varieties of as to deceive the most experienced. as to deceive the most experienced: and an instance very lately came to knowledge, when several, who were consulted alter very lately the overall knowledge, when several, who were consulted, altogether denied the overigin of the tumor, and ascribed it to the live. origin of the tumor, and ascribed it to the liver; though, after death, it turned out to be ovarian. In this instance, the absence of any hollow viscera anterior to the tumor would have prevented the supposition. to the tumor would have prevented the supposition of its being kidney at least though the same might not hold good as to the though the same might not hold good as to the liver. When the kidney and descended almost to the pelvis, and approached the same might not hold good as to the liver. descended almost to the pelvis, and approached the middle line of the abdomet it has been mistaken for utering tumor. it has been mistaken for uterine tumor; but an examination of the abdoute uterus, and of the uterus itself, in the usual ways and of the uterus itself. uterus, and of the uterus itself, in the usual way, will come in aid of the cations of which I have been speaking as applied by b. Enlargement of the left kidney may be mistaken for the spleen, for the descending colon, for the ovary, and for the uterus.

"The enlarged spleen is situated more anteriorly; and, in its descent, than the occasionally much rounded, generally presents a more-defined edge than kidney, often suffering the fingers to be in the financial to be in the fi kidney, often suffering the fingers to be introduced beneath it; and it is some notched at the edge: it has none of the bell times notched at the edge: it has none of the hollow bowels to interrupt uniform surface of the tumor. The spleen is sometimes to be introduced beneath it; and it is so uniform surface of the tumor. The spleen is sometimes to interrupt the tumor. uniform surface of the tumor. The spleen is sometimes inseparably attached the tumor of the kidney, of which we have a specimes inseparably attached the whom this is the specimen to the speciment of the kidney. the tumor of the kidney, of which we have a specimen in Guy's Museum when this is the case, the spleen generally occurred to the spl when this is the case, the spleen generally occupies the posterior part of the hypochondrium, and therefore adds little either to the posterior part of the diagram. hypochondrium, and therefore adds little either to the facility or the difficulty diagnosis. Nearly the same remarks are applicable diagnosis. Nearly the same remarks are applicable as regards the desception and its accumulations, and also the left colon and its accumulations, and also the left ovary and the uterus, as already been made, when speaking of the right? already been made, when speaking of the right."

c. There are three forms of tumor connected with the kidney, the possibility the occurrence of which should be remembered in the kidney. of the occurrence of which should be remembered. The one is real actions the locyst hydatid, which may develop it also its real actions. locyst hydatid, which may develop itself in the kidney, or be attached to it.

Bright has not actually met with this. The next is tumor from disease of the renal capsule; this organ being lighted to be the light of which of the lock is the control of the lock in the lock in the lock is the lock in the lock in the lock is the lock in the loc renal capsule; this organ being liable to both scrofulous enlargement, which author lately saw, and to malignant tubera, which he has seen several times. The third form of tumor, arising in connection with the kidney, is, the simple distention of tumor, arising in connection with the kidney, is, the simple distention of tumor, arising in connection with the kidney, is, the simple distention of tumor, arising in connection with the kidney, is, the simple distention of tumor, arising in connection with the kidney, is, the simple distention of tumor, arising in connection with the kidney, is, the simple distention of tumor, arising in connection with the kidney, is, the simple distention of tumor, arising in connection with the kidney, is, the simple distention of tumor, arising in connection with the kidney, is, the simple distention of tumor, arising in connection with the kidney, is, the simple distention of tumor, arising in connection with the kidney, is, the simple distention of tumor, arising in connection with the kidney, is, the simple distention of tumor, arising in connection with the kidney, is, the simple distention of tumor, arising in connection with the kidney, is, the simple distention of tumor, arising in connection with the kidney, is, the simple distention of tumor, arising the connection of tumor, are the connection of tumor and tumor are the connection of tumor and tumor are the connection of tumor and tumor are the connection of distention of tumor, arising in connection with the natural secretion, owing to obstruction in the pelvis and ureter, with the natural secretion, owing to obstruction.

struction in the ureter and bladder. When hydatids, says Dr. B. in his suggestions for a diagnosis, are developed the kidness and by the means in the kidney, they can only be ascertained by their situation, and by the means applicable. The tumor of the renal capapplicable to the detection of hydatids generally. The tumor of the renal capsule must at present, from its situation as a portion of the kidney itself, and from our great in health, he almost beyond the our great ignorance of the function it performs in health, be almost beyond the scope of decided diagnosis, but may be suspected from the situation of the tumor in the upper part of the kidney; but the liver lying before it, and the detected. In the back and ribs behind it, it is very improbable that it would be detected. detected. In the case of scrofulous disease, which he witnessed, the tumor, of the size of a small egg, was fixed to the upper and posterior part of the liver, in which it was also it was almost imbedded. The dilated ureter may be detected by its situation, which may, if not imbedded. The dilated ureter may be detected by its elastic feel; may, if not close to the kidney, be sufficiently characteristic, and by its elastic feel; and it is the evacuated into the and it will be certainly detected, if its contents can be evacuated into the

d. "Supposing that our diagnosis has been satisfactorily formed, and that a tumor of the kidney has been discovered, it still becomes desirable, if it be possible, to establish the exact nature of the disease to which the increased bulk of the organ the organ is to be ascribed;—a problem, which is even more difficult to solve than the form than the former. We have often to look back into a long history; and there is every reason to believe that, in many cases, there is a successive or simultane-Ous development of different diseases; so that it is possible to come to a right conclusion. conclusion as to part of the disease, and yet not discover the whole. Thus we shall find he to part of the disease, and yet not discover the whole. Thus we shall find, by comparing histories with post-mortem appearances, that in one case almost when the hear deposited in the pelvis of the kidcase almost undoubtedly a calculus has been deposited in the pelvis of the kid-ley, has every description of the kidher, has excited suppuration, and a tumor has been formed; but that, after it has excited suppuration, and a tumor has been formed; but the same time, malignant action has been set up. In other cases, we shall find that shall find that an injury to the loins has been followed by hæmaturia, and that, a time a time at time at time to the total and that an injury to the loins has been followed by hæmaturia, and that, a time to the total at time to the total a after a time, a malignant disease has established itself. Again, we shall find a calculus to he malignant disease has established itself. calculus to begin, and this followed by a collection of pus in the pelvis, and this bucceeded by the collection of the renal substance which succeeded by a granular change in that portion of the renal substance which has not under granular change in that portion the reason to believe that the has not undergone absorption;—or we shall have reason to believe that the same and that afterwards, or at the same tanulation of the kidney has taken place; and that afterwards, or at the same time, cysts have been formed in the cortical substance, and a tumor of the kidney has been the consequence;—and, as the post-mortem appearance, in conjunction with the big on sequence;—and, as the post-mortem appearance, in conjunction with the big on sequence is a sequence in conjunction with the big on sequence is a sequence in conjunction in the big of the consequence is a sequence in the conjunction in the big of the conjunction in the big of the conjunction in the c with the history, is capable of bringing us to such conclusions, so the history his likely in contract or local, and general symptoms, may by itself, in conjunction with the physical or local, and general symptoms, may bring us nearly to the same point:—and I will now proceed to refer to some of the data which may serve to guide us in the inquiry."

e. The which may serve to guide us in the inquiry.

the two symptoms, most remotely connected, in the majority of cases, the diseased symptoms, most remotely connected, in the majority of cases, with diseased kidney, are hæmaturia and the passing of small calculi by the utethra. Neither necessarily indicates or leads to organic alteration, but both, when the characteristics are light on particular cases.

when the change is discovered, throw some light on particular cases. It is certain, continues Dr. Bright, that hæmaturia takes place under a variety circumstance continues Dr. Bright, that hæmaturia takes place under a variety circumstance. of circumstances: some states of congestion and inflammation, such as often to scarlating consequence of intemperance, or after exposure to cold, or subsequent to scarlating resilience of intemperance, and this will probably never be followed to scarlatina, will produce hæmaturia; and this will probably never be followed by enlargement of producing a scarlatina, will produce hæmaturia; and this will probably never be followed by enlargement of producing a scarlating producing the scarlating produce hæmaturia; and this will probably never be followed by enlargement of producing the scarlating produce hæmaturia; and this will probably never be followed by enlargement of producing the scarlating produce hæmaturia; and this will probably never be followed by enlargement of the scarlating produce hæmaturia; and this will probably never be followed by enlargement of the scarlating produce hæmaturia; and this will probably never be followed by enlargement of the scarlating produce hæmaturia; and this will probably never be followed by enlargement of the scarlating produce hæmaturia; and this will probably never be followed by enlargement of the scarlating produce hæmaturia; and this will probably never be followed by enlargement of the scarlating produce hæmaturia; and this will probably never be followed by enlargement of the scarlating produce hæmaturia; and this will produce hæmaturia; and this will produce hæmaturia; and this will produce hæmaturia; and the scarlating p by enlargement of the kidney, or, at all events, never to the extent of producing shall be the control of the kidney, or, at all events, never to the extent of producing the control of the kidney, or, at all events, never to the extent of producing the control of the kidney, or, at all events, never to the extent of producing the control of the kidney, or, at all events, never to the extent of producing the control of the kidney, or, at all events, never to the extent of producing the control of the kidney, or, at all events, never to the extent of producing the control of the kidney, or, at all events, never to the extent of producing the control of the kidney, or, at all events, never to the extent of producing the control of the kidney, or, at all events, never to the extent of producing the control of the kidney, or, at all events, never to the extent of producing the control of the kidney, or, at all events, never to the extent of producing the control of the kidney, or, at all events, never to the extent of the kidney, or, at all events, never to the extent of the kidney, or, at all events, never to the extent of the kidney, or, at all events, never to the extent of the kidney, or, at all events, never to the extent of the kidney of the sensible tumor; and of this we may have almost hourly experience. A general hemorrhagier; and of this we may have almost hourly experience. A general hemorrhagier; and of this we may have almost hourly experience. hamor is and of this we may have almost hourly experience. It is a simple tumor; and of this we may have almost hourly experience. It is a simple tumor; and of this we may have almost hourly experience. It is a simple tumor is a simple tumor of the system will often shew itself by hæmaturia; in the case of the system will often shew itself by hæmaturia; in the case of the system will often shew itself by hæmaturia; in the case of the system will often shew itself by hæmaturia; in the case of the system will be prowhich case, under particular circumstances, extensive ecchymosis will be produced in the pelvis of the kidney, but may subside without causing any tumor of that organ of that organ. The more local causes of hæmorrhage, as obstruction to the cir-

culation through the heart or even the large viscera of the abdomen, may produce slight hæmaturia, without any produce slight hæmaturia sl duce slight hæmaturia, without any enlargement of the kidney following, where a profuse hamorrhage takes place, or a tendency to it shews itself, mischief frequently follows as leads to the state of the kidney follows as leads to the state of the kidney follows as leads to the state of the kidney follows as leads to the state of the kidney follows as leads to the state of the kidney follows as leads to the state of the kidney follows as leads to the state of the kidney follows as leads to the state of the kidney follows as leads to the state of the kidney follows as leads to the state of the kidney follows as leads to the state of the kidney follows as leads to the state of the kidney follows as leads to the state of the kidney follows as leads to the state of the kidney follows as leads to the state of the kidney follows as leads to the state of the kidney follows as leads to the state of the kidney follows as leads to the state of t mischief frequently follows as leads to tumor of the organ. This had norther is probably not to be considered as well as the considered as the conside is probably not to be considered so much the result of any one form of disease tending to enlargement, as the source form tending to enlargement, as the source from which irritation is set up. coagulum forming, and not capable of immediate expulsion, produces irritation and assists the deposit or the accumulation and assists the deposit or the accumulation of calculus; or, by retaining the urine in the pelvis produces information of calculus; urine in the pelvis, produces inflammation and suppuration there. Every instance of hamorrhage which can be fairly and suppuration there. stance of hæmorrhage which can be fairly traced to the kidney, and in which the entire blood comes away in a formula traced to the kidney, and in which the entire blood comes away in a form capable of coagulation, must be what upon with fear, as likely to lay the foundation of coagulation. upon with fear, as likely to lay the foundation for some organic change, the that consequence may be depends rather than the consequence of the co that consequence may be depends rather on the tendency of the system of the part, than on the hemorrhage per se

When hemorrhage occurs in the more-advanced state of the disease, I should be to the circumstance of its being now. look to the circumstance of its being pure, or mingled with pus, as important a diagnostic point of view: when it is not mingled with pus, as important a a diagnostic point of view; when it is pure, forming clots which are perhaps moulded to the shape of the passages, if I found a tumor, I should consider probable that the kidney was nervaded by containing the contain probable that the kidney was pervaded by cysts, or that, in some way, grand obstruction was experienced to the passage of the live that, in some way, grand of the live that it is some way. obstruction was experienced to the passage of the blood through the remaining substance of the kidney: still the diagnosis substance of the kidney; still the diagnosis would be modified by the character of the tumor: if it were hard resisting a position of the tumor. of the tumor: if it were hard, resisting, and chiefly lumbar, I should be not confirmed in this belief; and if in addition to the confirmed in this belief; and if, in addition to this, I found that the urine, perfectly clear of blood, after the homography. perfectly clear of blood, after the hæmorrhage had for some days completely subsided, was still albuminous. I should your and if subsided, was still albuminous, I should very confidently expect some such generation in the substance of the kidney as I have described, intermixed post-bly with granular deposit.

When hamorrhage occurs in smaller quantity, but mingled with pus, and generally subsiding rather more slowly than the rally subsiding rather more slowly than the pus, so as to form a fringe-like deposition its surface, it probably bespeaks some local by on its surface, it probably bespeaks some local bleeding from the pelvis, either depending on the presence of a rough calculus pending on the presence of a rough calculus, to a small extent lacerating or rubbing the membrane, or more commonly down to a small extent lacerating fund rubbing the membrane, or more commonly depending on a tendency to fungular

If small calculi, our author goes on to remark, have been passed in the calculation of a renal tumor, the natural part of the history of a renal tumor, the natural conclusion to which we comis, that some similar formation having taken is, that some similar formation having taken place within the pelvis of the been ey, and having been unable to find its way down the ney, and having been unable to find its way down the ureter, the pelvis of the period irritated either by the calculus or much more likely and arrine, and irritated either by the calculus or much more likely by the retained urine, and happens, has accumulated in the cavity and distanced in the pelvis has pushed urine, and distanced in the cavity and d pus has accumulated in the cavity and distended it;—but this seldom happens without pus being actually passed.

f. When a large tumor is formed by the kidney, and neither calculus fellow ood nor pus has marked the progress of the large tumor is formed by the kidney. blood nor pus has marked the progress of the disease, Dr. Bright would inclined to consider this a fungoid or malignant.

g. Circumstances connected with the character and growth of the tunout the character and growth of the tunout the character and growth of the tunout the character and growth of the character and gro independently of the nature of the renal discharge, give some hints on the thinks on the nature.

If the tumor be hard and insensible, and lodged in the lumbar region, and lodged in the lumbar region and lodged in the lumbar region. should incline to the supposition that it was neither enlarged from pus nor per region, and may probably be changed in the lumbar region, and may probably be changed in the lumbar region, and pust nor per region. fungoid growth, and may probably be changed in structure throughout, or pervaded with cysts.

If the tumor appear to have increased very quickly, and especially to have own irregularly, projecting in particular part grown irregularly, projecting in particular parts, advancing upon its upper particular parts and upper particular parts and upper particular parts and upper towards the scrobiculus cordis, rather than descending towards the disease regularly towards the mesial line. increasing regularly towards the mesial line, we conclude that the disease rather a fungoid or malignant growth the conclude that the disease rather a fungoid or malignant growth the conclude that the simple is is rather a fungoid or malignant growth, than the product of simple flammation. flammation.

If the tumor have enlarged regularly, or with only certain moderate elevations, forming a somewhat ovoid body, or have become soft or fluctuating in parts, then, even is then, even if pus had not been ascertained in the urine, we should be inclined to ascribe the tumor to a collection of pus.

When speaking of the diagnosis of these tumors, it is impossible to pass of the in siles of the diagnosis of these tumors, it is impossible to pass of the diagnosis of these tumors, it is impossible to pass of the diagnosis of these tumors, it is impossible to pass of the diagnosis of these tumors, it is impossible to pass of the diagnosis of the diagnosis of these tumors, it is impossible to pass of the diagnosis of these tumors, it is impossible to pass of the diagnosis of the diagnosis of these tumors, it is impossible to pass of the diagnosis of the diagnos over in silence the importance of the very valuable test of pus which was first pointed over the importance of the very valuable test of pus which was first pointed over the importance of the very valuable test of pus which was first pointed over the importance of the very valuable test of pus which was first pointed over the importance of the very valuable test of pus which was first pointed over the importance of the very valuable test of pus which was first pointed over the importance of the very valuable test of pus which was first pointed over the importance of the very valuable test of pus which was first pointed over the importance of the very valuable test of pus which was first pointed over the importance of the very valuable test of pus which was first pointed over the importance of the very valuable test of pus which was first pointed over the importance of the very valuable test of pus which was first pointed over the importance of the very valuable test of pus which was first pointed over the importance of the very valuable test of pus which was first pointed over the importance of the very valuable test o pointed out by Dr. Babington, in a former Part of these Reports. It occasionally happen by ally happens, that very large deposits, both of the lithates and of the phosphates, are through the lithates are they have are thrown down from the urine; which, on first being seen as they have formed on down from the urine; which, on first being seen as they have formed or subsided in the vessel, bear so much the appearance of pus, that not only the part and good deal of attention only the patient, but the practitioner who has not paid a good deal of attention to the subject. to the subject, has been deceived. The lithates are at once detected by their entire disapper, has been deceived. entire disappearance, if heat be gently applied, or a few ounces of warm water be added pearance, if heat be gently applied, or a few ounces of warm water be added to the urine; and, indeed, we may generally learn, by inquiry from the patient that the patient tha the patient, that the urine was perfectly clear when first passed, becoming turbid only as it only as it cooled. The phosphates, however, are of less easy detection; but if there be any there be any suspicion that the deposit is purulent, by pouring off the clear ammoniae and good to the deposit a few drops of the liquor potassæ or the li ammoniae, and adding to the deposit a few drops of the liquor potassac of the ammoniae, and agitating them together, we find that, if it be pus, it is converted, in the space of the space in the space of a few seconds, into a substance resembling the most tenacious much and the space of a few seconds, into a substance resembling the most tenacious nucus: and this process is often carried on previously to the discharge of the discharge in the bladder, as it often does in paraurine; and this process is often carried on previously to the does in para-lysis and in the urine become alkaline in the bladder, as it often does in paralysis and in some other cases, this conversion of pus into mucus takes place in the bladder it also other cases, this conversion misled the practitioner, who has the bladder itself;—and this has probably often misled the practitioner, who has been in the ball;—and this has probably often misled the practitioner, which is somebeen in the habit of regarding the large quantity of ropy mucus, which is sometimes found at the bottom of the vessel, as a secretion of the mucous membrane of the bladder the bottom of the vessel, as a secretion of the puriform secretion of of the bladder, whereas it is, in reality, very often only a puriform secretion of the kidney. the kidney, which has undergone conversion in the bladder. I have, at this time, under conious purulent discharge from time, under my care a lady labouring under copious purulent discharge from the kidney my care a lady labouring under has been passed in the form of the kidney, which, on one or two occasions, has been passed in the form of mucus, owinch, on one or two occasions, has been passed in the form of bucus, owing to the administration of alkaline remedies."

Dr. R. and ushers in

Dr. Bright winds up these observations, and ushers in his cases with these general remarks :-

The history of those diseases which induce tumors of the kidney will, of urse, van course, vary greatly, according as they depend on simple inflammation, on a scrofulous constitution, or as they are more or less malignant in their character. The approach is often slow and insidious; and when the tumor has shewn itself, by others is often slow and insidious; and when the tumor has shewn itself, it by others is often slow and insidious. or by other indications the established disease is discovered, the patient is often able to refer had cations the established disease is discovered, the patient is often able to refer had cations the established disease is discovered, the patient is often able to refer had cations the established disease is discovered, the patient is often able to refer had cations the established disease is discovered, the patient is often able to refer had cations and the cation of the ca able to refer indications the established disease is discovered, the pattern side to refer back to some period when unusual exposure to cold, or some sudden the presumed exciting cause: lerk, or some accident to the loins, may here be the presumed exciting cause:

Very frequently contained to the loins, may here be the presumed exciting cause: very frequently we find in females, that although some other cause may be discovered, and covered, and perhaps some symptoms may have previously occurred, yet the malady had perhaps some symptoms may have previously occurred, yet the malady had perhaps some symptoms may have previously occurred, and perhaps some symptoms may have previously occurred, in malady had never shewn itself decidedly till after pregnancy, and the tumor has been discovered from her confinement: and where first been discovered as the patient recovered from her confinement: and where this is the case, it is reasonable to suppose that the pressure of the uterus, having obstructed it is reasonable to suppose that the pressure of the uterus, having obstructed the passage of urine along the ureters, may have acted as an aggravating of suppuration or of malignant aggravating, or perhaps as an exciting cause of suppuration or of malignant disease. There perhaps as an exciting cause of suppuration or of malignant of the perhaps as an exciting cause of suppuration or of malignant of the perhaps as an exciting cause of suppuration or of malignant of the perhaps as an exciting cause of suppuration or of malignant of the perhaps as an exciting cause of suppuration or of malignant of the perhaps as an exciting cause of suppuration or of malignant of the perhaps as an exciting cause of suppuration or of malignant of the perhaps as an exciting cause of suppuration or of malignant of the perhaps as an exciting cause of suppuration or of malignant of the perhaps as an exciting cause of suppuration or of malignant of the perhaps as an exciting cause of suppuration or of malignant of the perhaps as an exciting cause of suppuration or of malignant of the perhaps as an exciting cause of suppuration or of the perhaps as an exciting cause of suppuration or of the perhaps as an exciting cause of suppuration or of the perhaps are perhaps as an exciting cause of suppuration or of the perhaps are perhaps as an exciting cause of the perhaps are perhaps as an exciting the perhaps are perhaps as a perhaps are perhaps are perhaps as a perhaps are perhaps are perhaps are perhaps are perhaps as a perhaps are perhaps are perhaps are perhaps are perhaps are perhaps are perhaps as a perhaps are p nancy, which act, in the first place, as throwing a difficulty for several months over the detact. over the detection of a tumor in the abdomen, and then calling the attention obstruction of a tumor in the abdomen, and then calling the account that the construction of a tumor in the abdomen, and then calling the account that the obstruction of a tumor in the abdomen, and then calling the account that the obstruction of the discount that the construction of the discount that the construction of the discount that the calling the account that the obstruction of the discount that the calling the account the calling the account that the calling the account the calling the account the calling the account the calling the account that the calling the account the calling the calling the calling the account the calling the obstruction and irritation resulting from stricture, from disease of the bladder, from stone irritation resulting from the exciting causes of the disor from stone in the bladder, or kidney, have been the exciting causes of the discase. Diseases of the kidney, tending to the formation of tumor, are confined to neither are to neither age nor sex. Scrofulous disease with enlargement, and fungoid diseases of the eases of the most remarkable and rapid growth, occur in children of the most tender age: indeed the kidneys of children are very susceptible of disease, better functional and organic. In more adversariant functional and organic. In more-advanced age, the obstructions in the uring passages increase, and formidable calculous diseases multiply."

The cases themselves are twelve in number. The first is one of tumor of the dney, from numerous eyests found in the first is one of tumor of the dney, from numerous eyests found in the first is one of tumor of the dney, from numerous eyests found in the first is one of tumor of the dney, from numerous eyests found in the first is one of tumor of the dney, from numerous eyests found in the first is one of the dney, from numerous eyests found in the dney, from the dney, from numerous eyests found in the dney, from the dney eyests found in the kidney, from numerous cysts found in its substance—the second, suppuration of the kidney, from stricture of the profile of the kidney, from stricture of the urethra, attended with perceptible tumor third, tumor formed by the kidney—the relationship pushing the perceptible tumor formed by the kidney—the relationship pushing the perceptible tumor formed by the kidney—the relationship pushing the perceptible tumor formed by the kidney—the relationship pushing the perceptible tumor formed by the kidney—the relationship pushing the perceptible tumor formed by the kidney—the relationship pushing the perceptible tumor formed by the kidney—the relationship pushing the perceptible tumor formed by the kidney—the relationship pushing the perceptible tumor formed by the kidney—the relationship pushing the perceptible tumor formed by the kidney—the relationship pushing the perceptible tumor formed by the kidney—the relationship pushing the perceptible tumor formed by the kidney—the relationship pushing the perceptible tumor formed by the kidney—the relationship pushing the perceptible tumor formed by the kidney—the relationship pushing the perceptible tumor formed by the kidney—the relationship pushing the perceptible tumor formed by the kidney—the relationship pushing the perceptible tumor formed by the kidney—the relationship pushing the perceptible tumor formed by the perceptible tumor third, tumor formed by the kidney—the pelvis being distended with purfourth, tumor from puriform collection in the latest being distended with party fourth, tumor from puriform collection in the kidney, first perceived after partition, but apparently depending on the rition, but apparently depending on the presence of a calculus—fifth, tumor formed by the left kidney, supposed to tumor formed by the left kidney, supposed to be uterine; the pelvis being tended with grumous matter, and the cold to be uterine; tended with grumous matter, and the substance of the organ suffering, together with the liver, from malignant discourse with the liver, from malignant disease—sixth, tumor formed by the kidney dilated with puriform fluid—seventh tumor formed by the kidney dilated with puriform fluid—seventh, tumor of the kidney, with copious puriford discharge through the urethra and probability of the kidney, with copious puriford discharge through the urethra and probability of the kidney. discharge through the urethra, and probably through the bowels—eighth, tumoformed by the left kidney discharges formed by the left kidney, discharging pus copiously both by the urcthra and the rectum, depending on a large renal calculus—ninth, cerebriform tunes of the right kidney; supposed to be a tumor arising the restriction of the right kidney; supposed to be a tumor arising the restriction of the right kidney; supposed to be a tumor arising the restriction of the right kidney; supposed to be a tumor arising the restriction of the right kidney; supposed to be a tumor arising the right kidney. the right kidney; supposed to be a tumor arising from the concave surface of the liver—tenth, tumor of the kidney from the concave surface of the concav the liver—tenth, tumor of the kidney from fungoid disease mistaken for by spleen.—Death by runture into the parity of the parity fungoid disease mistaken for the spleen.—The spleen into the parity of the parity o spleen.—Death by rupture into the peritoneal cavity—eleventh, fungoid to the kidney, affording the appearance of two tumors—twelfth, fungous disease of the glands of the mesentery, resembling enlarged in the second of the seco

We must refer the curious to Dr. Bright's paper, should they wish to learn a particulars of these cases. Appendix paper, should they wish to learn a particular of these cases. the particulars of these cases. Appended to them are the novissima verted the author. He thinks they prove what in a the author. He thinks they prove, what indeed was but too certain before publication, the extreme difficulty of diagrams. publication, the extreme difficulty of diagnosis. That difficulty partially, on mainly, hangs on the circumstance that there mainly, hangs on the circumstance that there are two kidneys, and that the takes on itself much of the function, spatched by the spatched by t takes on itself much of the function, snatched by disease, from the other, healthy kidney, it is well known, often becomes hypertrophied, a proof and the proof of the increase of action

guage of its increase of action.

Dr. Bright makes some final remarks on suppuration of the kidney, with which eshall close our notice of his paner.

we shall close our notice of his paper.

"In the foregoing cases we have instances of suppuration of the kidner of kinds—where the disease seems to have be a suppuration of the kidner of kinds—where the disease seems to have be a suppuration of the kidner of kinds—where the disease seems to have be a suppuration of the kidner of kinds—where the disease seems to have be a suppuration of the kidner of kidn two kinds—where the disease seems to have begun in the substance of the originates; and where it has been apparently almost in the substance of secretary itself; and where it has been, apparently, almost entirely a purulent secretion the pelvis;—and this latter is by far the from the pelvis;—and this latter is by far the most common in cases which afford any enlargement of the organ capable of h afford any enlargement of the organ capable of being discovered before after the cases, the whole kidney becomes reduced by the cases, the whole kidney becomes reduced by the cases and the cases are the cases are the cases are the cases and the cases are the case are the cases are the case a In these cases, the whole kidney becomes reduced almost to the state of a this sacculated membranous bag; the lining of the sacculated membranous bag; sacculated membranous bag; the lining of the pelvis being brought so layer contact with the external tunic, that nothing but a thin and condensed layer the substance of the kidney separates them. the substance of the kidney separates them: but there is still no apparent of continuity or suppuration in the substance of the of continuity or suppuration in the substance of the organ, nor does it appeared to have commenced in that way. Frequently have been suppurationally to have commenced in that way. to have commenced in that way. Frequently, however, after some time, find growths spring from the lining membrane. growths spring from the lining membrane; and frequently the tendency to tend and to suppurate is not bounded by the constitution of the constituti tend and to suppurate is not bounded by the organ itself; and the most compared into that an opening is formed into that result is, that an opening is formed into that portion of the colon which potential that process, even before the communication of the colon which is often the colon which is often than This process, even before the communication is fully formed, is the already with diarrhea; which, in the already is fully formed, is fully formed, is fully formed. attended with diarrhea; which, in the already weakened condition patient, adds greatly to the urgency of the diarrhea condition the urgency of the diarrheady weakened condition has extended in the urgency of the diarrheady weakened condition the urgency of the diarrheady and the urgency of the urg patient, adds greatly to the urgency of the disease; and when the ulcrafted has extended into the intestines, much puriform has extended into the intestines, much puriform matter is evacuated. times, the tendency seems to be rather to the formation of an external opening its own in the contract of the I do not remember to have met with a case in which it has opened of its accord in that way; but where the fluid has a writer in the surface of the surface o accord in that way; but where the fluid has approached so near the surface to lead to the evacuation by the lancet or the proached so near the sand as and as another as and as an and as an and as an another as another as an another as an another as an another as an another a to lead to the evacuation by the lancet or the trochar, it has again and accumulated. There is at least a third way: There is at least a third way in which the pus may escape; vertation or rupture into the cavity of the abdomen. It is not this effusion of pus should to probable that this effusion of pus should take place by ulceration, because

very generally happens that the adhesive process prevents such a result; but it is more probable by accidental rupture, and then would most likely

It is unnecessary to say more than that the present is characterised by the same minuteness and accuracy, which our author's former contributions to pathology have displayed.

#### MASSACHUSETTS' GENERAL HOSPITAL.

Report of the Surgical Cases and Operations that occurred in the MASSACHUSETTS GENERAL HOSPITAL, FROM MAY 12, 1837, TO MAY 12, 1838 1838. By George Hayward, M.D. Surgeon to the Hospital.

Dr. Hayward observes, in limine: In consequence of the absence in Europe of my respected friend and colleague, John C. Warren, M.D., the surgical department of the Massachusetts General H.D. arrangement of the past year. The General Hospital has been under my exclusive care during the past year. number of patients and operations has not varied materially from that of former years, not patients and operations has not varied materially from that of former years, nor has there been any essential difference in the character of the diseases that have come under treatment."

The hospital is small, not accommodating, conveniently, more than sixty patients, one half of whom are medical. There are from twenty to thirty free patients. patients; the others pay various prices, according to the apartments they occupy, the lowest

the lowest sum being three dollars a week. The number of operations is large, in proportion to the number of patients; as many persons resort to the hospital, from various parts of New England, for the purpose of undergoing operations.

We shall select some particular passages from the Report, which promise utility or interest.

1. Fractures of the Thigh.—When this accident occurs below the middle of the bone it. the bone, it is usually treated at the hospital by extension and counter-extension. The apparatus The apparatus used for this purpose is a modification of Desault's, the modification consists cation consisting principally in the adaptation of a screw to the cross piece which connecting principally in the adaptation, and to this screw is attached which consisting principally in the adaptation of a screw to the close which connects the splints together at the bottom, and to this screw is attached the band or sock which passes around the ankle. By this means the extension is made more in the axis of the axis of the bone, than by the original is made more in the direction of the axis of the bone, than by the original machine and the direction of the axis of the bone, than by the original machine, and the fractured surfaces are consequently brought more in contact.

Dr. Hayward goes on to observe :-The objections that are often made to this apparatus, I have not found to hold good to any extent in practice. It rarely produces much irritation in the perinagum. It is extent in practice. It rarely produces much irritation in the perinagum. perinacum; I have never seen ulceration there but once from this cause, and this was in a not was in a patient of a peculiarly irritable habit. It is more apt to give trouble about the and about the ankle, on which the extending band is applied, and I have seen the leel ulcerate and slough in a few cases. These ulcers are exceedingly obstinate. Something, no doubt, may be done to prevent them by careful attention, but they will occasional doubt, may be done to prevent them by careful attention, but they will occasionally occur, even when the utmost vigilance is employed.

Another is a cometime of the cometimes follows the use of the

Another inconvenience which sometimes follows the use of the apparatus, the stiff. sthe stiffness of the knee. I have never known this, however, to be permatroublesome

Notwithstanding these objections, I prefer this apparatus to any other that I we ever have ever used for treatment of fractures of the shaft of the thigh-bone, below the middle. In the middle. Fractures of the condyles of course require a different mode. the great many that the great many that I have seen treated in this way, the the great majority of those cases which I have seen treated in this way, there was but little if any shortening, deformity or lameness, and the patients hardly suffered at all while under treatment?

suffered at all while under treatment."

We cordially agree with Dr. Hayward in this, and we agree with him, too, in the opinion that the long splint is not adapted for fractures in the upper third of the thigh. In the latter accident Manual that the latter accident Manual the latter accident. the thigh. In the latter accident, Mr. Amesbury's fracture-bed is employed at the Massachusetts Hospital.

2. Amputation.—Preference of the Circular to the Flap Operation.—"Of the seven large limbs that were removed, six were done by the circular operation.

This fact is noticed from the circular operation. This fact is noticed, from the circumstance that Mr. Liston has recently seen fit to denounce this operation in more all of the circumstance and into denounce this operation in unqualified terms, declaring it to be 'vile and in admissible' in all cases where there are the and in the control of the cont admissible' in all cases where there are two bones in the limb. It is not, per haps, surprising that an individual about the limb. haps, surprising that an individual should have a decided preference to that particular mode of operating which he has adopted; but it is remarkable he should give a sweeping condemnation of he should give a sweeping condemnation of a method which has the sanction of some of the greatest names in modern some of the greatest names in modern surgery. The flap operation is better adapted, no doubt, to some cases than the adapted, no doubt, to some cases than the circular; but there are very many others in which I believe that the latter will be the fact. others in which I believe that the latter will be found to be the best. In fact, must confess that where circumstances will admit of the performance of either, should operate by the circular incision. should operate by the circular incision. It has, to my mind, advantages time the other method, that more then count it has, to my mind, advantages the other method, that more than counterbalance the greater length of time which is required for its performance. A better stump, it seems to me, is made by it, and the parts heal with quite as much reading. by it, and the parts heal with quite as much readiness. A patient, from whom I removed the leg above the brook by the readiness. I removed the leg above the knee by the circular operation, in June, paled walked out in sixteen days after the appropriate to the leg above the knee by the circular operation, in June, healed walked out in sixteen days after the amputation, the wound being entirely healed. An artificial limb was fitted to the course of An artificial limb was fitted to the stump, in a few weeks after, and upon the has walked with comfort ever circa. he has walked with comfort ever since."

It is very well for Mr. Liston to speak roughly, and to denounce this practice that. The day is past for any such denounce this practice. or that. The day is past for any such dogmatism. Methods of practice will stand or fall by their intrinsic merits. But he and stand or fall by their intrinsic merits, not by strong opinions expressed by and The circular operation is preferred by the great majority of surgeons, and lagaigne, bred in the school of Paris, and the even Malgaigne, bred in the school of Paris, and likely to lean to the flap operation, confesses the superiority of the circular in likely to lean to the flap operation.

3. Fissure of the Rectum.—There is perhaps no surgical operation that afford much relief as that for fissure of the rectum. so much relief as that for fissure of the rectum, and there is hardly any dischet that is more painful. It consists in a control of the rectum and there is hardly any dischet that is more painful. It consists in a superficial ulceration of the rectum, sometimes extensive, but more often partial ulceration of the rectum, sometimes extensive, but more often partial ulceration of the rectum. times extensive, but more often narrow, and rarely more than an inch in length is found more frequently on the sides and It is found more frequently on the sides and posterior part of the gut, than on the anterior. It extends down to the sphinger It extends down to the sphincter, and can usually be brought by view if the patient strains down. When this cannot be done, it can be felt of introducing the finger, though this is attended.

The greatest suffering is experienced at the time of defecation, and it is the time so severe that the patients are ablicated to the control of the severe that the patients are ablicated to the control of the severe that the patients are ablicated to the control of the severe that the patients are ablicated to the severe that the patients are also the severe that the patients are also the severe that the patients are also the severe that the severe tha often so severe that the patients are obliged to lie down for some time after pain is attributed by Dupuytren to a spasmodic contraction of the sphincteriation specific sphincteriation of the this seems probable from the relief that the division of the sphincter gives it these cases before the ulcer heals and from the these cases before the ulcer heals, and from the fact that the same train of symptoms is sometimes met with when are reason to think, too, that there is nothing peculiar in the character of the ulcer as it usually heals so readily after the as it usually heals so readily after the operation; and this circumstance favors the opinion that it is often the result of the opinion that it is often the result of mechanical violence, produced sometimes by hardened fæces and at others by times by hardened fæces and at others by strong efforts made in parturition. It is very certain that it is more frequently to the feet of the control of the It is very certain that it is more frequent in females than in males, and more common in those females who have borne shill common in those females who have borne children than in those who have not borne children than in those who have borne children than in those who have bindered.

Dr. Hayward has found nothing but division of the ulcer and the sphinctel ally effectual. He thinks division from mild really effectual. He thinks division from without inwards the best method. He relates a case; we shall introduce the operation

"On examination, I found just within the margin of the anus, towards the tacrum, a narrow ulcer, an inch or more in length, quite tender and painful to the touch. The bowels having been emptied by an enema, the operation was performed in the following way. The fore-finger of the left hand having been introduced in the following way. introduced into the rectum, a spear-pointed scalpel was thrust in outside of the sphincter sphincter, till it reached the point of the finger, thus including the sphincter between the between the edge of the scalpel and the finger. Both were then simultaneously withdrawe edge of the scalpel and the finger. Lint was introwithdrawn, the scalpel cutting its way out through the fissure. Lint was introduced between the scalpel cutting its way out through the fissure. duced between the lips of the wound, and a compress and a T bandage completed the lips of the wound, and a compress about the anus, pleted the dressing. For two or three days he had slight spasms about the anus,
which were the dressing. But after this period he had no which were relieved by anodyne fomentations. But after this period he had no trouble; his dejections gave him no pain, though the ulcer was not healed, and he was discharged from the hospital 'well,' in fourteen days after the operation, in all respectively." in all respects able to resume his ordinary avocations."

4. Hare-lip.—" For the last two or three years, in performing the operation for hare-lip.—" For the last two or three years, in performing the opening the last two or three years, in performing the opening the last two or three years, in performing the opening the last two or three years, in performing the opening the last two or three years, in performing the opening the last two or three years, in performing the opening the last two or three years, in performing the opening the last two or three years, in performing the opening the opening the last two or three years, in performing the opening the last two or three years, in performing the opening the last two or three years, in performing the opening the opening the last two or three years, in performing the opening the last two or three years, in performing the opening the last two or three years, in performing the years, i troublesome from their size, and occasionally produce ulceration, and in this way retard, if they do not altogether prevent, the success of the operation. Instead of them I by of them I have used, when operating on very young infants, small insect pins, and for larger children, long, fine, steel needles. A head of sealing-wax is easily attached to the contract of attached to these, and the sharp end, after it is carried through the lips, can be easily cut off by bone-pliers. They interfere less with the process of adhesion than the old by bone-pliers. They interfere less with the process of adhesion than the old by bone-pliers. than the old method, and in a number of cases in which I have used them, I have been much pleased with the result."

5. Hydrocele.—Dr. Hayward tells us :— Within a few years a new method for the cure of hydrocele has been introduced, and, if we might trust the published accounts, it has been attended with speat successful we might trust the published accounts, it has been attended with the successful we might trust the published accounts. Reat success. I allude to the mode recommended by Mr. Lewis and Mr. Itavers, of Great Britain. It consists in puncturing the tumor in one or more places with a real Britain. places with a small needle. A drop of fluid usually escapes at each puncture, and when the small needle. and when the operation succeeds, the part from half-an-inch to an inch in diameter and operation succeeds, the part from half-an-inch to an inch in codematous. The whole of the fluid, in diameter around the punctures becomes edematous, the whole of the fluid, in forty-eight hand the punctures becomes edematous, the whole of the fluid, in forty-eight hours, is absorbed, and effusion does not again take place. This is the account of t the account given of it by its advocates, but it does not again take place.

The account given of it by its advocates, but it does not accord with my experience. I have tried given of it by its advocated it several times in some of them. I have tried it in seven cases, and repeated it several times in some of them. have followed as exactly as I could the directions laid down for its performance; have used. Thave used various kinds of needles, and I have not succeeded in a single case.

Were it not various kinds of needles, and I have not succeeded in a single case. Were it not that others with whom I had conversed had been equally unsuccessful, and that I had others with whom I had conversed had been equally unsuccessful, and that I had others with whom I had only in the latter of the la and that I had not met with an individual who had succeeded, I should have attributed it to my own want of skill.

In one of my own want of skill.

Sappeared: my patients the cedema formed around the puncture and the fluid appeared: my patients the cedema formed again in three weeks. This disappeared in six-and-thirty hours, but was effused again in three weeks. was the only case in which there was a prospect of a cure."

We can be capted in six-and-thirty hours, but was enused again.

We can be capted from the capted

We can assure Dr. Hayward that little is expected from this operation by good treeons in the Dr. Hayward that little is expected from this operation by good may have been caught with it, but the surgeons in this country. One or two may have been caught with it, but the najority are convinced that it is "a matter of moonshine."

6. Erysipelas.—It may be useful to learn the results of the experience of the \*\*Surgeons of the Massachusetts Hospital, on the subject of crysipelas.

A. Its Content of the Massachusetts Hospital, on the subject of crysipelas. A. Its Cause.—Dr. Hayward observes:—

Its Cause.—Dr. Hayward observes:—

It seems, however, to be certain, that the exhalations from the bodies of sick reons, who were to be certain, that the same apartment, are capable of propercons, when a number are confined in the same apartment, are capable of producing an atmosphere are confined in the same apartment, are capable of producing an atmosphere are confined in the disease, without changing, in the ducing an atmosphere that will generate the disease, without changing, in the slightest degree, the sensible qualities of the air. I have been led to believe, by observation to some extent on the subject, that this atmosphere was much more readily produced by those retient of the subject, that this atmosphere was much more readily produced by those retient of the subject, that this atmosphere was much more readily produced by those retient of the subject, that this atmosphere was much more readily produced by those retient of the subject, that this atmosphere was much more readily produced by those retient of the subject, that the subject is not subject. readily produced by those patients who had large suppurating surfaces, than by others, who were not affected in this

others, who were not affected in this way.

Admitting this to be true, and of its truth I think there can be no doubt, the vious dictate of common copies is to the link there can be no doubt, the vious dictate of common copies is to the link there can be no doubt, the vious dictate of common copies is to the link there can be no doubt, the vious dictate of common copies is to the link there can be no doubt, the vious dictate of common copies is to the link there can be no doubt, the vious dictate of common copies is to the link there can be no doubt. obvious dictate of common sense is to change the air in the wards of the hospital as often as possible, so as to substituting the air in the wards of the hospital as often as possible. as often as possible, so as to substitute pure air for that which has been taminated. This is not so cooling of the life to th This is not so easily effected as at first it might seem to be. difficult to do it in the spring and autumn, when the weather is sufficiently mid to enable us to dispense with fires, but at the same time so cool as to require windows to be closed at night. It is also difficult in the contract of the c windows to be closed at night. It is also difficult in winter, without the consumption of a large quantity of fuel, and probably the best ventilator is an old fashioned open fire-place, but every one large with a sumption of a large quantity of fuel, and probably the best ventilator is an old fashioned open fire-place, but every one large with a sum of the probably the best ventilator is an old fashioned open fire-place. fashioned open fire-place, but every one knows that it is not the most economical mode of warming a room. Thousand the control of the most economical mode of warming a room. mode of warming a room. There can hardly be a doubt that erysipelas is more common in those hospitals that are more common in those hospitals that are warmed by furnaces than in those are not. The fire is usually allowed to The fire is usually allowed to go down at night, the ventilator frequently closed to keep the apartment agreeably warm, and consequently be patients must inhale for several hours the feel by patients must inhale for several hours the foul air.

This may not be true in all institutions that are warmed in this way; but it read that are warmed in this way; but it reads to the Massachusette Communication of the Massachusette Communicati certainly was in the Massachusetts General Hospital. A change in this respectively was made the last autumn the certainly was made the last autumn; the ventilators are now so arranged that cannot be closed by the nation to a remark of the nation to t cannot be closed by the patients or nurses; and to render the ventilation more perfect, the upper panels of the documents. perfect, the upper panels of the doors of each ward, communicating with the entries which are not warmed by artificially entries which are not warmed by artificial heat, were removed, and the holes thus made, kept open during the winter. thus made, kept open during the winter. Not a death from erysipelas has occurred in the hospital since this change has been made, nor has the during the last year, been of the formidable above made, nor has the during the last year, been of the formidable character which it frequently sumes. More extensive observation, because the character which it frequently sums. More extensive observation, however, is necessary to determine whether urable change is owing to the course this favourable change is owing to the cause to which I have just alluded.

A moist atmosphere is also supposed by some to be favorable to the production of erysipelas. It has been thought to be tion of erysipelas. It has been thought to be more common and more malignation those hospitals in which the floors are a few properties. in those hospitals in which the floors are frequently washed, than in those which they are kept clean by dry rubbing. which they are kept clean by dry rubbing. The moisture may have an effect is diffusing the miasmata, and perhaps rendering the miasmata, and perhaps rendering the miasmata. diffusing the miasmata, and perhaps rendering them active, when they mass have been harmless in a dry atmosphere. have been harmless in a dry atmosphere. The floors of the wards of the Masse chusetts General Hospital are daily works. chusetts General Hospital are daily washed, and the air is often more moist that is agreeable."

Were we to build on what we have seen, we should say that currents of the air are a fruitful source of erysipelas. This prevails epidemically under same circumstances and at the same periods. during variable weather—when the cold Easterly wind of this country and particularly when a piercing wind coincide. and particularly when a piercing wind coincides with a hot sun. Often we lost traced an attack of erysipelas to exposure to the traced an attack of erysipelas to exposure to the draught from an open window. We believe it has been found that in St. Community of the draught from an open window. We believe it has been found that, in St. George's Hospital, notorious at time for erysipelas, an equitable temporature time for erysipelas, an equitable temperature, obtained by flues and by health air, goes far towards its prevention. The old harming the second of the composition of air, goes far towards its prevention. The old hospital was warmed by fire places—the new by heated air. The old hospital was frightfully with the disease. At first, the new hospital was frightfully hospital was frightfully before the control of t with the disease. At first, the new hospital was frightfully interested to so soon as the system of ventilation worked. so soon as the system of ventilation worked well, the disease abated. It is just to state that the practice of washing the worker. to state that the practice of washing the wards was at the same time much disease, dry-rubbing being, in a great magnetic was at the same time used, dry-rubbing being, in a great measure, substituted for it. On the whole we are inclined to believe, that the exciting constituted for it. we are inclined to believe, that the exciting causes of catarrhal affections exciting causes of ervsipelas—that its productions at most exciting causes of erysipelas—that its production is also favoured by an atmosphere charged with animal exhalations. phere charged with animal exhalations—that a peculiar or a vitiated habit of the charged by an after of the charged with animal exhalations—that a peculiar or a vitiated habit of the charged by an after of the charged with animal exhalations of the charged by an after of the charged with a second of the c body predisposes to it—and that lesions of the skin or disturbance of the diger tive organs, contribute materially to its act this

Dr. Hayward states in reference to its contagiousness:-

"I have seen nothing to lead to the belief that erysipelas is propagated by that no fact has come under my observation, either in hospital or private practice, that gives the discount of this notion."

tice, that gives the slightest countenance to this notion." Dr. Hayward seems to us to display judgment in his principles of treatment. He adverts to the extremes advocated and pursued by many—to the bark practice, on the tice, on the one hand, and the bleeding on the other. He questions (well he may) the bronzing on the one hand, and the bleeding on the other. There are but few the propriety of either in the great majority of instances. There are but few patients by of either in the great majority of instances. patients, he remarks, that will be benefited by bark through all the stages of erysipelas. pelas; and, on the other hand, though depletion is unquestionably highly useful to some and, on the other hand, though depletion is unquestionably highly useful to some at the onset, there are not many who will not derive advantage from tonics before the before the termination of the disease. In fact, they may be given with advantage earlier, and to a greater extent, than in almost any other complaint. This is particularly to a greater extent, than in almost any other complaint. particularly true of the class of subjects that are met with in hospital practice, persons of the class of subjects that are met with in hospital practice, persons for the most part whose constitutions are impaired or broken down by previous it the most part whose constitutions are impaired or broken down by Previous disease or excess. In this we cordially agree with Dr. Hayward. The treatment treatment of erysipelas should not be empirical, it should be adapted to the circumstance of erysipelas should not be empirical, it should be adapted to the circumstance of erysipelas should not be empirical. cumstances of each case. It is absurd to dole out the same treatment to sickly, or over the same treatment to sickly, or over-stimulated inhabitants of a large city, which is applied to the case of the robust and robust and ruddy countryman. Every body knows the ridiculous fallacy of Mr. ended and where the country began! as if we practised by Mogg's map or paterson's where the country began! as if we practised by Mogg's map or Paterson's road book! It signifies nothing at what mile-stone the suburb ends, but it signifies nothing at what mile-stone the suburb ends, but it signifies much, nay every thing, whether a man leads the life and has the constitution of a London artizan or of a north-country grazier. Mr. Lawrence, however, however, was all for bleeding and incisions, and he could not listen with calmness or patience to either facts or arguments against him.

7. Prolapsus Ani.—Dr. Hayward recommends an operation. It is readily accomplished. An enema of warm water should be first administered, and when this It can then be seized with a double hook, which should be held by an assistant. It can then be seized with a double hook, which should be held by an assistant. The prolapsed portion, the needle cut out, and one string tied firmly in one direction, and the other in the opposite. The part should then be carefully if the pain be severe, an anodyne enema, or an opiate by the mouth, or both, live on a mild, liquid diet for a few days, and take a gentle laxative on the second after the opposite.

day after the operation. The ligatures usually separate in from five to ten days.

Dr. Hayward observes, in continuation. It is no unusual thing to find, after with stricture of the rectum. This is of course produced by cicatrization, and is in most cases readily overcome by the use of the rectum bougie. If the operation for either complaint, there will be much less danger of a return of the difficulty.

Another important means as a preventive, is the daily use of an enema of cold a dejection, and it will in most instances produce the desired discharge from the bowels without pain. From a gill to half-a-pint of water is sufficient.

8. Bad success of Removal of Cancer of the Tongue.—" The operations for the rarely been successful. The disease usually soon reappears in the neighbouring parts, apparently more malignant in its character, and certainly more rapid in its

progress, than before the operation. I believe that I can truly say that, with perhaps one exception, the disease has in the disease has a disease has perhaps one exception, the disease has in every instance returned. In all the cases, the diseased part was activaly cases, the diseased part was entirely removed, and in some of them the actual cautery was applied to the remains of the tongue, in part for the purpose of arresting the hemorrhage, and partly to eradicate completely the disease.

Sir Everard Home thought that much was gained by using the ligature instead of the knife. In the only instance in which I tried this, it was wholly unsuccessful. The case was a fair once the discharge that was cessful. The case was a fair one; the disease was limited; the whole of it was removed, and the nationt in other removed. removed, and the patient in other respects healthy. Yet the wound had hardly healed before the disease responsed to the little to the disease responsed to the disease resp healed before the disease reappeared, and went on with great rapidity till it destroyed the patient." destroyed the patient."

9. Inflammation of the Hernial Sac.—Dr. Hayward relates four cases of inflammation of the hernial sac. mation of the hernial sac. These we shall notice in another place. to observe the liberal spirit of diffusing clinical instruction displayed by American hospital physicians and surgons. In what hospital physicians and surgeons. In whatever is enlightened and zealous them are in the foremost rank. It gives us the are in the foremost rank. It gives us the greatest pleasure to introduce them and their useful laboure to their English. and their useful labours to their English brethren.

#### PENNSYLVANIA HOSPITAL.

REPORT OF THE SURGICAL CASES TREATED AT THE PENNSYLVANIA HOSPITAL DURING THE MONTHS OF MAY, JUNE, JULY, AUGUST, SEPTEMBER AND OCTOBER, 1838. By George W. Norris, M.D. one of the Surgeons to the Hospital.\*

We shall notice some of the main features in the Report before us.

1. Mode of Treating Fractures of the Thigh and Leg.—For the thigh the aight position is preferred, and a modification and Leg.—For the thigh the straight position is preferred, and a modification of the apparatus of Desault is that generally employed. The modification that generally employed. The modification consists in the greater length of the outer splint, and the attachment to its leaves outer splint, and the attachment to its lower end of a small block, over a note in which the extending hand passes in color of a small block, over a note in which the extending hand passes in color of a small block, over a note in which the extending hand passes in color of a small block, over a note in which the extending hand passes in color of a small block, over a note in which the extending hand passes in color of a small block, over a note in which the extending hand passes in color of a small block, over a note in which the extending hand passes in color of a small block, over a note in which the extending hand passes in color of a small block, over a note in which the extending hand passes in color of a small block, over a note in which the extending hand passes in color of a small block, over a note in which the extending hand passes in color of a small block, over a note in which the extending hand passes in color of a small block, over a note in which the extending hand passes in color of the in which the extending band passes, in order that the extension be made in a line with the axis of the limb. No short with the axis of the limb. line with the axis of the limb. No short splints or bandages of any sort are applied immediately to the thigh as they replied immediately the they replied immediately the thigh as they replied immediately the they replied immediately the theorem as the thigh as they replied immediately the theorem as the thigh as the thing the thigh as the thigh as the things are the things as the things are the things are the things as the things are the things are the things as the things are the things ar applied immediately to the thigh, as they prevent an accurate examination of the state of the fracture, and require that the state of the fracture, and require that the limb should be disturbed in order to re-apply them. A long parrow bag staffed re-apply them. A long narrow bag, stuffed pretty firmly with cotton, and covered with buckskin, is used for the counter extending the stuffed pretty firmly with cotton. with buckskin, is used for the counter-extending band, and a double buckskin gaiter, with a thin layer of carded cotton baid gaiter, with a thin layer of carded cotton laid over it, or a buckskin band lined with linen, is made use of for extension

In the treatment of fractures of the leg, as in those of the thigh, no splints of bandages are applied directly to the leg. The limb is placed in a fracture upon a well stuffed pillow, previously covered by a think of the limb is placed in a fracture way. upon a well stuffed pillow, previously covered by a thin oil-cloth, in such a was as to make the sole of the foot come in covered by a thin oil-cloth, in such a was a to make the sole of the foot come in covered by a thin oil-cloth, in such a was a to make the sole of the foot come in covered by a thin oil-cloth, in such a was a to make the sole of the foot come in covered by a thin oil-cloth, in such a was a to make the sole of the foot come in covered by a thin oil-cloth, in such a was a to make the sole of the foot come in covered by a thin oil-cloth, in such a was a to make the sole of the foot come in covered by a thin oil-cloth, in such a was a to make the sole of the foot come in covered by a thin oil-cloth, in such a was a to make the sole of the foot come in covered by a thin oil-cloth, in such a was a to make the sole of the foot come in covered by a thin oil-cloth, in such a was a to make the sole of the foot come in covered by a thin oil-cloth, in such a was a to make the sole of the foot come in covered by a thin oil-cloth, in such a was a to make the sole of the foot come in covered by a thin oil-cloth, in such a was a to make the sole of the foot come in covered by a thin oil-cloth and the sole of the foot come in covered by a thin oil-cloth and the sole of the foot come in covered by the foot covered by a thin oil-cloth and the sole of the foot covered by the sole of the tured bones are then accurately adjusted, and the sides of the box are together moderately tight. The foot is secured to sides of the box are together moderately tight. together moderately tight. The foot is securely fastened to the foot board by means of a strip of bandage, in order to prove the secure of the foot bandage. means of a strip of bandage, in order to prevent its falling to either side, and the pressure of the pillow is, in the vast majority of pressure of the pillow is, in the vast majority of cases, quite sufficient to retain the fragments in their natural position. the fragments in their natural position. The foot-board of the box is set into its bottom nearly straight, and is made to receive the straight of the box is set into its bottom nearly straight. its bottom nearly straight, and is made to project beyond the foot, in order to prevent the toes from falling downwards prevent the toes from falling downwards, and thus cause a projection forwards of the upper end of the lower fragment

of the upper end of the lower fragment.

 <sup>\*</sup> American Journal of Medical Sciences.

Severe inflammation so frequently follows these fractures, in consequence of most of them being accompanied with much contusion, that measures are invariably taken ab initio to lessen its severity. These consist in the application of cooling lotions to the limb, and attention to position, elevating the fracture-box or foot of the bedstead. It is to prevent the pillow from becoming wet and unpleasant when the evaporating lotions are applied, that the oil-cloth is placed above it. In order to obviate deformity in these fractures when they occur at the lower part of the leg, it is highly important to keep the foot well forwards, and this is best done by placing under the heel some layers of carded cotton.

and this is best done by placing under the heel some layers of carded cotton.

At the end of five or six weeks the union is generally sufficiently firm to allow of the removal of the limb from the box, and a bandage and pasteboard splints, made to fit accurately the leg by previously soaking them in warm water, are applied to its sides. On these becoming hard, the patient is permitted to

In very oblique fractures of the leg, where the pressure made by the pillow is not sufficient to prevent the recurrence of deformity after its reduction, perthe the thigh.

2. Frequency of Traumatic Delirium.—"Delirium tremens is not an unfrequent attendant upon the cases of recent injury admitted into our wards, and when occurring occurring in connection with a fractured limb, is uniformly attended with much danger to the cases of recent injuries danger to the patient. Of one hundred and forty-three cases of recent injuries treated the patient. treated, twenty-one were attacked with delirium tremens, and several others fourteen received with it. Of the twenty-one seized with it, seven died, and fourteen received with it. fourteen recovered. In the class of cases mentioned, it usually shows itself in less than 200 years. less than 36 hours after admission, and from the period of its setting in, little or nothing can be done in the way of treatment for the fracture. We have found the best can be done in the way of treatment for the leg or arm during an attack, the best method of managing a simple fracture of the leg or arm during an attack, to be to receive the limb, and envelop it in a pillow. This to be to remove all dressings from the limb, and envelop it in a pillow. This should be a should be large and well stuffed, and should be bound tightly around the limb by means of means of a roller. The elasticity of the feathers is such, that no danger of making to making too much pressure on the part need be entertained, and it will be found to hinder. to hinder all motion, and to keep the fragments in apposition better than any more complicated apparatus. The treatment which we have found most successful in cases ful in cases of delirium tremens, has been the free use of opium in the early stages, are together with nourishing soups, and the tages, grs. ij. or iij. every two hours, together with nourishing soups, and the moderate use of stimuli. The latter are generally given in the form of porter, at tonic and or tonic and antispasmodic tinctures. In the latter stages of the disease, when the pupil becomes contracted, we either omit, or very considerably diminish, the quantity of the head and the quantity of opium, and apply large blisters to the back of the head and

Divine, labourer, ætat. 20, admitted May 31st. A short time before admission his right knee, and carrying his leg forcibly inwards. The pain at the time of mission he complained altogether of his knee, and carrying his leg forcibly inwards. The pain at the time of mission he complained altogether of his knee, which was slightly swollen. The were uninjured. Upon raising the limb and holding firmly the lower end of the extremities of the femur and tibia could be distinctly traced, and, as well as the patella, femur, the leg could be pushed considerably inwards, and a separation between evident, which disappeared upon the force applied to the leg being discontinued. least motion of the limb or crepitus existed, but great pain was caused by the

In order to preserve the part in a state of perfect rest, the limb was placed in long fracture-box, and under the reaction a long fracture-box, and under the use of cold applications, followed by leeches to the knee, the pair about to the knee, the pain abated, and the swelling in a few days disappeared. Towards the middle of July it was found that there was still an undue degree of lateral motion at the outer side of the knee and a still an undue degree of the knee and a still an undue degree of the knee and a still an undue degree of the knee and a still an undue degree of the knee and a still an undue degree of the knee and a still an undue degree of the knee and a still an undue degree of the knee and a still an undue degree of the knee and a still an undue degree of the knee and a still an undue degree of the knee and a still an undue degree of the knee and a still an undue degree of the knee and a still an undue degree of the knee and a still an undue degree of the knee and a still an undue degree of the knee and a still an undue degree of the knee and a still an undue degree of the knee and a still an undue degree of the knee and a still a s lateral motion at the outer side of the knee, and with a view to hasten the posit of new matter from the weekley posit of new matter from the vessels, a blister was applied over this part. Some improvement followed this and a coordinate was applied over this part. improvement followed this, and a second and a third application of the remedy was made at short intervals of time with a second and a second a second and a second a second and a second and a second and a second and a second an was made at short intervals of time, with decided benefit. In the latter part of August he was suffered to move about August he was suffered to move about, a soap plaster and a roller being applied in order to give some support to the large plaster and a roller being applied. in order to give some support to the knee, and on the 15th of September he was discharged cured.

4. The Application of the Cold-water Syphon to Lacerated Wounds.—The Coldward application of cold has been used tinued application of cold has been used with benefit in several cases of lacerated wounds. The following was the modern to th The following was the mode of application: the pillow upon which part is placed being properly protection: the injured part is placed being properly protected by oiled silk, and the wolfd covered with lint; and, if necessary the silk covered with lint; and, if necessary, the sides of it drawn together with adhesite plaster, one end of a long strip of lint; and plaster, one end of a long strip of lint is placed in a basin of cold water fixed a table near to and above the lovel of the a table near to and above the level of the part, while the other end is attacked to the lint laid over the wound. to the lint laid over the wound. This, acting upon the principle of a syphon keeps up a continuous irrigation of the parts, the water being carried of causing another strip to connect the dressings with causing another strip to connect the dressings with an empty basin placed upon the floor. The continuous application of the floor. The continuous application of cold in the manner described, has late been particularly recommended in this class. late been particularly recommended in this class of wounds, by MM. Josse, d Amiens, and Berard, and in hot weather will Amiens, and Berard, and in hot weather will be found an agreeable and very effectual means of preventing a too bish effectual means of preventing a too high degree of inflammation and its consequence, excessive supportation

5. Hydrocele cured by Injection of Tincture of Iodine and Water.—A laboured aged 31, had a hydrocele which had commenced at puberty.

"After drawing off the fluid. I injected a mixture of the state of "After drawing off the fluid, I injected a mixture of tinct," iodine and water the proportion of one part of the former to in the proportion of one part of the former to seven of the latter. The injection was suffered to remain but a few minutes it is not the latter. was suffered to remain but a few minutes, it being withdrawn as soon as paid was complained of. The day following the was complained of. The day following the operation a good deal of pain the inflammation were present: the scrotter inflammation were present; the scrotum was supported by a bag truss, the patient kept at rest upon his back on a living supported by a bag truss, the pair patient kept at rest upon his back, on a diminished diet. On the 12th, the pair had nearly left it, and the part had much diminished. had nearly left it, and the part had much diminished diet. On the 12th, 17th left the house. Early in August he called to the diminished in size. On the high was left the house. Early in August he called to show me his testicle, which was at that time but little larger than noticed

6. Varicocele, successfully treated by the Operation of Davat.—Case 1. offer the lat. 25, entered July 7th. with circocale of the latest part of t etat. 25, entered July 7th, with circocele of the left side. Examined after patient had been using exercise. the wine of the patient had been using exercise; the veins of the cord of the left side were found to be nearly of the size of the little finger and cord of the left side were testion to be nearly of the size of the little finger, and greatly convoluted; the testice appeared sound. The mind of the patient was a really convoluted; the testice appeared sound. appeared sound. The mind of the patient was dejected on account of his after tion, and he complained of severe pair in the lair. tion, and he complained of severe pain in the loins. The general health being good, the case appeared favourable to a trial good, the case appeared favourable to a trial of the mode of cure proposed by Davat. On the 14th, after isolating the unit of the mode of cure proposed by the unit of the mode of cure proposed by the unit of the mode of cure proposed by the unit of the unit On the 14th, after isolating the vein from the artery and vas deferens the being erect.) I passed an accumulation of the mode of cure proposed in the skills (the patient being erect,) I passed an acupuncturing needle through the skip, anterior and posterior parietes of the veing and posterior p anterior and posterior parietes of the veins; after which I pushed it upwards and forwards in such a way as to make it to control to the pushed it an inch and forwards in such a way as to make it re-appear at the surface half an above the place of insertion. after a second time at the surface half an of above the place of insertion, after a second time passing through the sides the vessel. The needle was then fixed in this state of the place of the The operation was done almost without pain, and the patient fined to a recumbent position was afterwards confined to a recumbent position, upon a restricted diet. little inflammation was produced till the 18th, when the part became

swelled, and caused pain when handled; the vein below the needle being very hard and caused pain when handled; the vein below the needle being very hard and caused pain when handled; the vein below the needle below the needle was removed, the vein below the needle was removed. below the point of its insertion being hard and painful on pressure; a hard lump of the point of its insertion being hard and painful on pressure; a hard lump of the point at which it was inserted; lump of the size of a large filbert, exists at the point at which it was inserted; no pain up towards the abdominal ring. From this date the inflammation continued to the con through multiple to diminish, a drop or two of pus being daily furnished from the points through multiple to diminish, a drop or two of pus being daily furnished from the points through multiple to diminish, a drop or two of pus being daily furnished from the points through multiple to diminish, a drop or two of pus being daily furnished from the points through multiple to diminish, a drop or two of pus being daily furnished from the points through multiple to diminish the points of the through which the needle had passed; but in a few days this ceased, and on the lst of August he was discharged cured."

Case 2.—"S. B. ætat. 57, was admitted on the 5th September. The scrotum so much at S. B. ætat. 57, was admitted on the 5th September. The is so much stretched as to be at once remarked from its extreme length. The testicle of the stretched as to be at once remarked from its extreme length, and when testicle of the left side hangs much lower than that of the right, and when separated to be both smaller and softer. separated from the veins which cover it, is found to be both smaller and softer. when allowed to hang without support it gives rise to unpleasant feelings, and the slightest l. the slightest knock or pressure upon it causes severe pain; the veins of the cord appear to it. appear to increase in size from just below the abdominal ring, and down about the testial. the testicle, are much convoluted, irregular, and very large; the swelling is sensibly diminished by placing the patient in a horizontal position, but returns when the erect position is resumed. The patient states that he first noticed his disease about for the patient states that he first noticed his disease about for the patient states that he first noticed his disease about five years ago, since which time it has been gradually increasing, although although a suspensory bandage was constantly worn; that a year since he laboured under a hernia of the left side, for the cure of which he wore a truss for some for some months. At present, even after severe straining and hard coughing, nothing like. nothing like a protrusion of the bowel exists. He has no pain in the belly or about the about the ring, and suffers so much inconvenience from his disease, that he entered the hospital by the advice of his medical attendant, for the purpose of undergoing respectively. undergoing an operation for its cure. On the 19th two acupuncturing needles were passed through and through the two largest of the veins, and fastened by means of the trough and through the two largest of the patient was kept at perfect means of the twisted suture. After the operation the patient was kept at perfect test in head subject to the twisted suture. After the operation the patient was kept at perfect test in head subject to the twisted suture. rest in bed, with the scrotum elevated, and put upon a low diet. Two days afterwards, with the scrotum elevated, and put upon a how diet. afterwards some redness existed immediately around the needles, and on the 24th there was a good deal of swelling and redness of the whole side of the scrotum scrotum, accompanied with pain on being handled; slight suppuration too had taken place and they were both removed; no taken place at the extremities of the needles, and they were both removed; no fever place at the extremities of the needles, and they were both tended fever or pain in the groin. Treatment continued, with the addition of lead water to the in the groin. water to the scrotum. For some days after the last report a drop or two of the scrotum. For some days after the last report a drop or two of the points through which one of the pins pus continued to be discharged from the points through which one of the pins passed to be discharged from the points through which one of the pins had passed. On the 2d October nearly all swelling had left the parts, and the veins were soon to be discharged from the points through which the parts, and the passed. On the 2d October nearly all swelling had left the parts, and the veins were soon to be discharged from the points through which the parts and the passed. By the 5th all inveins were found to be very hard and much reduced in size. By the 5th all indammation had disappeared, the parts being still more contracted. The patient was now snow and disappeared the parts being still more and a smaller suspensor was now suffered to move about; his diet increased and a smaller suspensor made use of

made use of, and a short time afterwards he was dismissed. The mod, and a short time afterwards he above cases ap The mode of operating adopted in the above cases appears to me much referable. preferable to any of the other methods recommended for the cure of varicose veins, and the cure of the veins, and their results afford additional proof of the safety and efficacy of the plan, and their results afford additional proof of the safety and emeay, and when carefully applied. The passing of a needle behind the vein, and arresting the results afford additional proof of the safety and emeay, and their results afford additional proof of the safety and emeay, and their results afford additional proof of the safety and emeay, and their results afford additional proof of the safety and emeay, and their results afford additional proof of the safety and emeay, and their results afford additional proof of the safety and emeay. arresting the circulation in it by means of a twisted suture, as recently recommended by M. Crulation in it by means of a twisted suture, as recently recommended by M. Velpeau, effects a cure by the pressure causing inflammation and subsequent. subsequent ulceration, and complete division of the veins; whereas by the method of purchasing matter is at once thrown out around method of puncturing the vessel, adhesive matter is at once thrown out around the points. the points irritated, producing the cure by union by the first intention of its internal membrane."

#### WESTERN LYING-IN HOSPITAL OF DUBLIN.

From an able Medical Report, the third, published by Dr. Churchill, in our excellent contemporary of Dulling on a dispute which has been literally raging of late in the obstetric world. Whether we shall draw on ourselves the ire of that most irascible of men and most acrid of accoucheurs, Dr. Hamilton, we do not know. We hope not. Whatever we may think of his practice, we pray for a safe deliverance from his pamphlets. There can be no doubt that his is a crotchet case.

The following tables of labours of a certain length shew the duration of each age, and the results to mother and child

stage, and the results to mother and child.

Table I .- Thirteen Cases of Labour between thirty and forty Hours' Duration.

Cases.	Length of active Labour	Length of First Stage.	Length of Second Stage.	Results to  Mother.   Child.	
In 2 cases In 4 ,, In 1 ,, In 2 ,, In 3 ,, In 1 ,,	31 hours { 32	24 hours 29 " 30 " 31 " 31 " 32 " 33 " 29 " 33 " 35 " 31 " 37 "	7 hours 2 " 2 " 1 " 1 " 1 " 5 " 3 " 1 " 5 " 1 "	Favourable.	Favourable

Table II .- Four Cases from forty to forty-eight Hours.

No. of		Length of	Length of	Results to	
Cases.	entire Labour.	First Stage.	Second Stage.	Mother.	Child.
In 1	40 hours	1 hour	39 hours	Favourable.	Favourable
,, 1	45 ,,	44 ,,	1 "	,,,	<b>,</b>
,, 2	48 " {	47 ,, 44 ,,	1 ,,	,, ,,	"

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## TABLE III .- Two Cases of Sixty Hours.

No. of Cases.	Length of entire Labour	Length of	Length of	Results to	
Cases. Length of entire Labour.	riist Stage.	Second Stage.	Mother.	Child.	
In 2	60 hours {	57 hours 59 ,,	3 hours	Favourable.	Favourable.

### TABLE IV .- One Case beyond Sixty Hours.

N.					
No. of Length of entire Labour		Length of First Stage.	Length of Second Stage.	Results to	
-moout.	Mother.			Child.	
In 1	66 hours	62 hours	4 hours	Favourable.	Favourable.

Dr. Churchill is evidently afraid of blistering his fingers, by meddling with the controversy. He declines that dangerous amusement. St. Dunstan would find the Hamilton He declines that dangerous amusement. Dr. Hamilton worse to manage than the devil. We should like to see any one hold the Doot worse to manage than the Dr. Hamilton worse to manage than the devil. May, 1839. hold the Doctor's nose in the tongs.—Dublin Journal, May, 1839.

## BALTIMORE ALMS HOUSE HOSPITAL.

By Samuel Annan, M.D. Senior Physician to the Institution.\*

Cold or Warm Applications in Ophthalmia?—We cordially agree with Dr. Annan in the following estimate of cold and warm lotions, in the treatment of catarrhal ophthalmia.

As a topical application, in all the acute inflammations of the eye, I have nothing the eye frefounds a topical application, in all the acute inflammations of the cycle frequently, and afford as great relief as warm water. Bathing the eye frequently, and afford as great relief as warm water to pass over the ball, underneath the quently, and allowing the warm water to pass over the ball, underneath the fall. It soothes and relaxes the inflamed membranes, and is sufficiently refrigetant by the evaporation which takes place; while it does not produce that the re-active re-activ butting the evaporation which takes place; while it does not produce that the re-action which succeeds the cold bath. Cooling lotions are pleasant the momentum which succeeds the cold bath. It is the large majority of cases, all the symptonic transfer of some at the moment of application; but in the large majority of cases, all the symptoms are application; but in the large majority of cases, all the symptoms are application; but in the large majority of cases, all the symptoms are application; but in the large majority of cases, all the symptoms are application; but in the large majority of cases, all the symptoms are application; but in the large majority of cases, all the symptoms are application; but in the large majority of cases, all the symptoms are application; but in the large majority of cases, all the symptoms are application; but in the large majority of cases, all the symptoms are application; but in the large majority of cases, all the symptoms are application; but in the large majority of cases, all the symptoms are application; but in the large majority of cases, all the symptoms are application; but in the large majority of cases, all the symptoms are application; but in the large majority of cases, all the symptoms are application; but in the large majority of cases, all the symptoms are application; and the symptoms are application are application. toms are aggravated by their continued use. In the commencement of some cases, they spray they spra cases, they succeed well, and speedily effect a cure. The same good, however, would result continued use. In the commencement of the commencement would result from the warm; and without the risk of that injurious re-action which so often and obstinate cases of conjunctivitis, I have which so often ensues. In severe and obstinate cases of conjunctivitis, I have seen the most striking relief from the excruciating pain, arise from the appli-

No. LXI. \* Amer. Journ. Med. Sciences, Feb. 1839. cation of cloths wrung out of hot water, and laid upon the closed lids, as hot as the patient could bear. As soon as they became cool, they were again dipped in the hot water."

Dr. Annan has not found the benefit which Mr. Mackenzie promises from the use of the lotion of nitrate of silver. Nor, in ordinary cases, have we.

- 2. Scrofulous Ophthalmia.—This prevailed to a considerable extent amongst the children of the Institution. The treatment appears to have been more simple and more successful than usual. Mild purgatives, salts and tartar emetic, light the plentiful use of warm water, and carefully protecting the eye from the light by a shade, was, for the most part, all that was required. A few leeches, got out of a neighbouring brook, were employed; but it was found so troublesome to get them to bite, that but a very limited use was made of them. Imported leeches are only permitted by the trustees of the institution, in what are regarded as extreme cases. Cupping the temples, and blistering, were seldom demanded as extreme cases. Cupping the temples, and blistering, were seldom demanded instance did the disease become chronic, rendering scarification of the instance of the eye-lids necessary. Neither were stimulating applications to the eye, nor tonics for the general system, indicated in a single instance, by the state of the ophthalmia.
- 3. Treatment of Dysentery.—"Above fifty cases of dysentery have been treated one of which have died with the control of dysentery have been treated. none of which have died; with the exception of two old persons, who sold refused to take medicine on the supposition of two old persons, who sale had refused to take medicine, on the supposition that their time of departure the arrived; and one woman who had be a traced the arrived; and one woman, who had been sick a month before she entered the house, and was in the last stage of orbitals. house, and was in the last stage of exhaustion. The treatment in all the new cases consisted of full does of colored and the new cases. cases consisted of full doses of calomel and opium, followed by castor oil, and this succeeded by Dover's powder. Twenty casis and by castor oil, two grains this succeeded by Dover's powder. Twenty grains of calomel, with two grains of opium, or fifteen grains, with a grain and an half, were given, and sight hours after, an ounce and an half, or two surrous after. eight hours after, an ounce and an half, or two ounces of castor oil were administered. The opium very speedily reliable to the opium very nistered. The opium very speedily relieved the patient from the dreadful tormina and tenesmus, procuring several house. tormina and tenesmus, procuring several hours' ease; while the calometric upon the liver and mucous coat of the hours! upon the liver and mucous coat of the bowels, especially the latter, promoting secretion, thus depleting the congested vessels. secretion, thus depleting the congested vessels, and changing morbid into healthin action. Free evacuations were then produced by Free evacuations were then produced by the castor oil; by which the contents of the bowels were reproduced by the castor oil; by which the morbid contents of the bowels were removed, and farther secretion encouraged. After copious purgation, fifteen grains of December 1997. After copious purgation, fifteen grains of Dover's powder, allayed the irritation of the intestinal canal, and action upon the clark of the intestinal canal, and acting upon the skin, restored its functional action and by determining to the surface accided and by determining to the surface, assisted in removing the engorgement of the inflamed mucous tissue.

In many instances, this course of treatment effected a cure; and nothing farther was required, but attention to diet. In other cases, the calomel was repeated, followed by the oil and Dovers' powder. Sometimes an ounce are a half or two ounces of oil, with forty or fifty drops of laudanum, were given without the calomel, after the operation of which the patient took Dovers' powder. The return of the desire to rise to stool frequently, with small, slindy discharges, and tenesmus, was regarded as evidence, that more purging was required. Free evacuations, by calomel and castor oil, uniformly, for the time, removed the tormina and tenesmus; and the restoration of the functional action of the skin appeared to assist materially in preventing their return.

In a few cases, where the disease grew decidedly chronic, other remedies necessary. The acetate of lead and opium sometimes checked the diarrhoed soon as was desirable. Two or three grains with half a grain of opium, were given every two, three, or four hours, according to the severity of the purgist. When the disease began to yield, it was given less frequently. The balsam of copaiba was also tried, and, where it did not disagree with the stomach, pro-

duced the most happy effects; arresting the diarrhoa, diminishing the tenderness of the bassam, with one of the bowels, and preventing tormina. Two drachms of the balsam, with one of bowders, and preventing tormina. Two drachms of cocasionally two, were of powdered gum arabic, one of tincture of opium, or occasionally two, were mixed with three ounces of water, and a table-spoonful was given three or four times and three ounces of water, and a table-spoonful was given three or four times and vomiting, it was extimes a day. Where it produced sickness of stomach, and vomiting, it was exhibited by the stomach and was exhibited by the stomach and stomach and stomach and stomach are stored to the store with an equal quantity of thickure of opium, made into an emulsion with a drachm or two of powdered gum arabic sum arabic, and four ounces of water, were thrown into the rectum two or three times in the sometimes in the twenty-four hours. The acetate of lead in the form of injection, sometimes answered a good purpose. Ten or fifteen grains, with fifty or sixty drops of drops of laudanum, and a gill of starch mucilage, were exhibited three or four time. four times daily. The tinctures of kino and catechu restrained the purging very effectually in some cases. In one or two instances, all these remedies were given were given. It was found necessary to go from one to the other, as the first appeared. It was found necessary to go from one to the other, as the first appeared to lose its power in controlling the disease. Under this treatment, and confining the patient to thickened milk, rice and milk, boiled milk and bread, and bread, and weak animal broth, the diarrhea was arrested, and convalescence took plan weak animal broth, the diarrhea was arrested, and convalescence took place. The bowels, however, remained irritable during a considerable period. period; and great caution was required, both as to diet and exposure. The slightest and great caution was required, both as to diet and exposure. The slightest check of perspiration, or the least imprudence in eating, would cause a return of the purging. The occasional administration of an ounce of castor oil, with at oil, with thirty or forty drops of laudanum, was of material service in advancing

Dr. Annan examines the practice of various authors and physicians. He naturally prefers, and we content ourselves with simply mentioning, his own.

4. Case of Venereal Ulceration extending from the Anus to the Colon. We quote this case as a remarkable instance of the herpetic venereal sore, travelling up the gut.

N. D. aged 25, entered the House, October 19, 1837, with slight diarrhoa, and small deep ulcers around the anus, extending within the margin of the opening opening. A year previously she had been in the alms-house on account of syphilis, which was cured. When Dr. A. first saw her, in May, 1838, the local week which was cured by discharges from the bowels. ulcers were healed, but she was greatly reduced by discharges from the bowels. In spite of healed, but she was greatly reduced by discharges from the bowels.

In spite of all treatment, she sank on the 3d of July. On examination, the whole surface of the rectum as high as the promontory the specific that the specific that the specific that the specific transfer of transfer of transfer of the specific transfer of t of the sacrum, was rough and hard, from the cicatrization of ulcers. These cicatricas, was rough and hard, from the cicatrization of ulcers. cicatrices were well defined by narrow strips of mucous membrane, separating them from the extent of each ulcer. With these them from each other, and indicating the extent of each ulcer. With these exception exceptions, the mucous coat was entirely destroyed, and the cicatrices were formed in the sub-mucous cellular tissue. The muscular coat was thickened and industrial and indurated, and by this means the diameter of the bowel was considerably lessened and by this means the diameter of the descending colon, and part of lessened. The sigmoid flexure of the colon, the descending colon, and part of the trans. the transverse arch, were partially covered with similar cicatrices, there being Portions of the signoid flexure of the colon, the descending color, there being portions of the signoid flexure of the colon, the descending color, the descendin portions of mucous membrane, comparatively healthy, interposed. At the upper part of all mucous membrane, comparatively healthy, interposed, from a quarter to part of the diseased portion, several ulcers were discovered, from a quarter to an include the diseased portion, several ulcers were discovered from a quarter to an include the same morbid. half an inch in diameter. These were evidently specimens of the same morbid action which in diameter. and there can be no doubt but that the action which produced the cicatrices; and there can be no doubt but that the ulcerative process had gone on progressively from the anus upwards; those below health below healing, while new ones were forming above. The sensibility of these ulcers could ulcers could not have been great; as she complained of but little pain. Cups were applied applied once, to relieve soreness at the lower part of the abdomen.

#### UNIVERSITY COLLEGE HOSPITAL.

CLINICAL OBSERVATIONS BY DR. ANTHONY TODD THOMSON.

1. Utility of the Actual Cautery in Disease of the Spinal Chord.\* After relating some cases, and making various observations on their treatment.

Dr. Thomson adds:—

Dr. Thomson adds :-

"I confess that I have not seen much advantage derived from counter-irritants, cept from the use of the actual and advantage derived from counter-irritants. except from the use of the actual cautery, which exerts the influence both of a counter-irritant and an issue. In these counter-irritant and an issue. In three cases, in private practice, it proved completely successful, and equally as in a relation of the proved completely successful. pletely successful; and equally so in another, which occurred in this hospital soon after it was opened, and although I, which occurred in this hospital soon after it was opened, and although I, which occurred in this hospital soon after it was opened, and although I, which occurred in this hospital soon after it was opened, and although I, which occurred in this hospital soon after it was opened, and although I. soon after it was opened; and although I have not repeated it in Clay's case, yet I am of opinion that if anything. case, yet I am of opinion that if anything will prove serviceable, it is the long continued influence of powerful issues will prove serviceable, it is the long to continued influence of powerful issues, with rest in the horizontal posture; close attention to the digestive organs and the bowels, and such internal remedies as will efficiently influence the capillarian which is the continued in the continued in the continued in the capillarian and such internal remedies as well efficiently influence the capillarian and such internal remedies. dies as will efficiently influence the capillaries and aid absorption."

Does Dr. Thomson mean to say that issues made with the potassa fusa are to f service? Does he think it is called. not of service? Does he think, it is only issues made with the actual cauter that are of benefit?

that are of benefit?

2. Comparative Frequency of Endocarditis in Acute Rheumatism. To our "Among the rheumatic cases," observes Dr. Carswell, "admitted into our admitted into our admitted into our admitted into our matism." wards during the last three months, we have had four cases of acute rheumatism which no physical signs of and condition in which no physical signs of endocarditis, or other affection of the heart were observable; and also two severe cases of scientific and scie observable; and also two severe cases of sciatica under similar circumstances. From the facts, however, which I have stated under similar circumstances. From the facts, however, which I have stated, it is but too certain that endocarditis is an extremely frequent complication. carditis is an extremely frequent complication of acute rheumatism; and in pocase of this disease, however slight the land case of this disease, however slight the local affection and the general symptoms, should we neglect to examine most affection and the general symptoms, should we neglect to examine most an examine most are former to be a symptom of the symptom o toms, should we neglect to examine most carefully the condition of the heart during the whole course of the disease." during the whole course of the disease."

Dr. A. T. Thomson loses no opportunity of trying this, and he is impressed this great utility. This is the mode adopted. with its great utility. This is the mode adopted. Dr. T. loquitur:

The most common method of raising the cuticle was the application of a ister; and since the introduction of the second since the second since the second since the second since the introduction of the second since the second blister; and since the introduction of the acetum cantharidis, we possessed very rapid and efficient means of blistering. very rapid and efficient means of blistering. This might be also rapidly effected by means of a compound of four parts of lard rubbed up with six of strong liquid ammonia. The best mode of removing the artists over the liquid ammonia. The best mode of removing the cuticle was to apply over the blister an emollient poultice: the whole of the blister an emollient poultice; the whole of the raised cuticle was, by this means, taken off, without that suffering to removing the cuticle was, by this means, the taken off, without that suffering to remove the raised cuticle was, by this means, the cuticle was to apply our property to the raised cuticle was to app taken off, without that suffering, to nervous and irritable patients, which the ordinary method induced. The salts of months ordinary method induced. The salts of morphia, when these were the narcotics employed, tended, in some degree, to promote the employed, tended, in some degree, to promote the suppurative process on the denuded surface, and, consequently to prove the suppurative process on the degree to prove the suppurative process. denuded surface, and, consequently, to prevent it from cicatrizing. Opium, the bane, and belladonna, operated in the conbane, and belladonna, operated in the same manner; but he had found that influence of all of them, in that respect was a real of the had found that influence of all of them, in that respect was a real of the had found that influence of all of them, in that respect was a real of the had found that influence of all of them, in that respect was a real of the had found that influence influence of all of them, in that respect, was greatly augmented by the addition of a small quantity of refined sugar. It was not necessary to apply a blister; on the contrary, as the quantity of a small quantity of a small sugar. blister; on the contrary, as the quantity of a narcotic to be applied was small, the denuded surface needed not to be greater to

The full dose of the narcotic should not be applied at first, the irritant influce of some narcotics being so great as to be applied at first, the irritant and ence of some narcotics being so great as to cause inflammation in the part, and thence to check absorption. It should be greated. thence to check absorption. It should be gradually augmented as the habit got

<sup>\*</sup> Lancet, June 8, 1839.

accustomed to it; and when the desired effect had been produced, the dose should be as gradually diminished. With respect to the part of the skin to which the narcotic was to be applied: when the local influence only was required, the blistered surface should be that directly over the seat of pain; when the general effect was to be produced, it should be as near to the head as possible.

Besides narcotics, he had advantageously administered other remedies by the endermic method; namely, strychnia, extract of colchicum, and iodide of iron; but he should confine his present remarks to the salts of morphia. In the greatest number of cases the hydrochlorate was employed; but, when an anodyne influence was especially desired, the acetate operated better, more efficiently in allaying pain, and in a shorter period of time than the hydrochlorate, probably owing to its deliquescent property.

Dr. Thomson lauds this highly. Elaterium is now extensively employed in cardiac affections, and no doubt, with care and discrimination it may be of great utility in hypertrophy, unconnected with dropsical effusion.

#### ST. GEORGE'S HOSPITAL.

1. SIR B. BRODIE ON THE INSIDIOUS CHARACTER OF DISEASE OF THE VERTEBRAL COLUMN.\*

In the course of some excellent clinical remarks on diseases of the vertebral

This disease of the vertebræ begins sometimes very insidiously, and can be traced to no original source or cause. It will sometimes follow an attack of fever, and caries, with all its symptoms, becomes soon set up. There are other diseases of bones which frequently show themselves after an attack of fever. Who possess the healthiest constitutions. Pain comes on first, and suppuration and abscess soon follows. In some cases, however, a long time elapses before I know of a case in which abscess only showed itself ten years after the irruption of the original disease; and I know of another in which the disease had have been twenty-one years before any abscess presented. An abscess, therefore, exist for this length of time without the constitution suffering from its irritation," this length of time without the constitution suffering from its irritation,"

2. Diagnosis of Vertebral Disease, Lumbago, Inflammation of the Cauda Equina, and Renal Disease.

"Common Lumbago," continues Sir Benjamin, "comes on suddenly with the lower part of the spinal chord and the cauda equina produce pain with loins resembles lumbago somewhat; but you may distinguish it by the pain not being increased on motion, and if you cup and bleed, and give mercury, the

<sup>\*</sup> Lancet, March 16, 1839.

pain and paralysis subsides. Pain from affection of the kidneys generally occurs in one loin only with conservation affection of the kidneys occurs in one loin only, with consequent irritation of the bladder, with albument and pus in the prine which letter and pus in the pus in the pus in the pus in the prine which letter and pus in the pus and pus in the urine, which latter symptoms will sometimes render the diagnosts difficult. I knew of a case of allows: difficult. I knew of a case of albuminous urine, occurring in a case of disease of the bidget by the spine, mistaken for disease of the bidget by the bidget spine, mistaken for disease of the kidney, but whether disease of the spine will extend to the kidney, my experience day, but whether disease of the spine will extend to the kidney, my experience does not enable me to determine."

#### 3. DEPENDENCE OF PSOAS ABSCESS ON DISEASED BONE.\*

Mr. Abernethy, said Sir Benjamin, attended much to lumbar and to psoassess, and formed very errors and the second much to lumbar and to psoassess. abscess, and formed very erroneous notions respecting it, and from him these errors have been handed down. He was respecting it, and from him the errors have been handed down. He supposed these abscesses to be situated in the psoas muscle, and those which are the property of the property the psoas muscle, and those which arose from disease in the vertebre he considered to be exceptions to the grant of the gr sidered to be exceptions to the general rule. I was looking, this morning, Mr. Cooper's "Dictionary of Surgery". Mr. Cooper's "Dictionary of Surgery," and the same opinion is there given; and I have conversed with many conversed with many conversed. and I have conversed with many surgeons who hold the same views. It is volude, if these opinions he correct that above it may form there as well as in the posterior mediastinum; but, in this part of the body, it very rarely occurs independently. the body, it very rarely occurs independently of disease in the osseous structures.

I have examined many persons who have been structured found. I have examined many persons who have died of this disease, and I never found the vertebræ, or their connected textures of the vertebræ, or their connected textures, free from disease. I have notes of one abscess in the soft parts, coming free from disease. abscess in the soft parts, coming forward above Poupart's ligament. time a lumbricus was discharged, I suppose from ulceration of the cacum; disthen this was not a lumbar abscess. It is true, that in dissection the original disease is overlooked, but if you remove the case is overlooked, but if you remove the ease is overlooked, but if you remove the psoas muscle, you will find some little sinus, through which a probe may be passed, leading to the seat of disease, either in the vertebra or its cartilages. either in the vertebra or its cartilages. Cases occur sometimes in which the disease is seated in the dorsal vertebræ; the matter makes its way through the posterior mediastinum, between the approximation of the matter makes its way through the matter m posterior mediastinum, between the crura of the diaphragm, along the property that muscle, into the groin, but most commend muscle, into the groin, but most commonly you find it presenting under the abdominal parietes. I have known a child abdominal parietes. I have known a child carry about with it one of these abscesses as big as his head

"I have met," he goes on to observe, "with some of these lumbar abscesses that have made their way through the all with some of these lumbar abscesses." that have made their way through the abdominal ring, and along the spermatic chord. Sometimes they will appear behind chord. Sometimes they will appear behind, passing between the sacro-lumbalismuscle and spine of the illium. In these muscle and spine of the ilium. In these cases it is very difficult, from their unusual situation, to tell precisely what the unusual situation, to tell precisely what they are, but wherever they appear rate, are one and the same disease, and spring for the same disease. are one and the same disease, and spring from the same cause. It is very rate indeed, to meet with a patient having land. indeed, to meet with a patient having lumbar abscess after the age of 30.

### 4. RESULT OF THE INJECTION FOR HYDROCELE. †

Sir B. Brodie always uses port wine and water. He has seldom known this

fail more than once in twenty-five times.

The degree of inflammation, he remarks, following the injection is not always a direct ratio to the certainty of corrections. in a direct ratio to the certainty of cure, for a very small amount of the former is quite sufficient to ensure the certainty of the certainty is quite sufficient to ensure the certainty of the latter. (Sir B. C. Brodie related several cases in support of this statement.) The inflammation following injection is so severe as to go on to support the case of the control of t injection is so severe as to go on to suppuration, and the formation of absects but I have only known it to go to the but I have only known it to go to this extent in West Indian constitutions; with them I have frequently consist to the extent in West Indian constitutions. with them I have frequently seen it occur, and they are very subject to hydrocele.

<sup>\*</sup> Lancet, Nov. 24, 1838. † Ibid, April, 1839.

In one of these, in which I operated, the fluid was kept in but a very small time, but the patient was much debilitated at the time, and suffered some severe formed, when I laid open the tunica vaginalis, and let the matter out, and the patient was soon cured afterwards.

### 5. SIR B. BRODIE'S TREATMENT OF GOUTY ACIDITY.\*

About three or four hours after breakfast, and three or four hours after dinner, let the patient take a dose of magnesia, or potass, or soda, to neutralize the acid which there is then in the stomach. I do not think that medical men in general, when they prescribe magnesia and the alkalies, are sufficiently careful to tell their patient at what particular times to take them. They are to be taken when there is acid in the stomach to be neutralized. There is none in the morning before breakfast; and these alkalies taken in the morning, at any rate do no good, and probably are injurious. There is the greatest quantity of acid in the stomach about four hours after a meal, and subsequently to that period it has the kidneys. Your object is to neutralize the acid before it passes into the circulation, and you must do that when the acid is in the stomach. A patient told nee the other day, who had inflammation of the synovial membrane of the knee, acompanied with this pink deposit, that he had observed that if he took the alkali three or four hours after a meal, there was no pink deposit; but if he took it five or six hours afterwards the deposit appeared as usual.

# 6. TREATMENT OF SCROFULOUS DISEASE OF THE HIP-JOINT.

If you are called to a child in the early stage of the disease, when he limps local complains a little of pain, or perhaps does not complain of pain at all, the perfect immobility, which you may accomplish by a leather splint, by plaster local treatment should be simply negative. Keep the hip-joint in a state of perfect immobility, which you may accomplish by a leather splint, by plaster local treatment which the disease requires, if you are called to the patient in the first instance. I remember the time when in these cases we were in the habit of the two kinds of practice, that the abstraction of blood and the application of counter-irritants, not only do no good, but that on the contrary, by weakening I have been much more successful since I laid aside all these painful remedies, Recombined merely on perfect rest.

Regulation of the secretions, various tonics, more particularly steel, in the form of the old steel wine, or the alkaline infusion of sarsaparilla, prepared acording to this formula:—To make a pint of the infusion, you take two ounces of the root of Jamaica sarsaparilla, cut and bruised; then you add two drachms drachms of the liquor potassæ, and about 18 ounces of boiling distilled water; and you may give the patient, according to his age, from 4 to 6 or 8 ounces of such constitute the main features of Sir Benjamin's method of treatment.

<sup>\*</sup> Med. Gazette, Oct. 27, 1838.

Take care to place a Patient with Diseased Hip-joint in a good position.

It is of some moment, urges Sir B., that you should, before the disease is very far advanced, get the limb into a good position. A child especially The always a tendency to throw one knee over the other, and to lie on one side. The consequence is, that the thigh-bone gets twisted into an awkward posture, the pelvis and the spine are also twisted, and the whole figure is in a state of tortion. It matters not how trifling the disease may be, your first duty to you patient is to make him lie down at once. Take care to place him with shoulders a little elevated, and his limbs parallel to each other, and thus will prevent that ugly distortion of the whole body which always takes place where these precautions are neglected.

This may be accomplished (we quote for the last time from the clinical eservations of this able surgeon) in different servations. observations of this able surgeon) in different ways. In one of the cases now in the hospital a quantity of bandars are the surgeon in the hospital a quantity of bandage was rolled upon the pelvis and the upper part of the thigh: then stripes of called upon the pelvis and the upper part of the thigh; then stripes of adhesive plaster were put over the bandage; then other bandages were applied and the then other bandages were applied, and other stripes of plaster; and so on till great mass of bandage and plaster. great mass of bandage and plaster, all sticking together, was fastened round the pelvis and round the upper part of the thigh. This has fixed the boy's hip-joint very firmly, and is very nearly the method which he fixed the boy's hip-joint very firmly. very firmly, and is very nearly the method which Mr. Scott, of Bromley, ploys for all diseases of the joints. He is a large of the sound of the soun ploys for all diseases of the joints. He, indeed, uses mercurial ointment spread on lint under the plasters, but this I on lint under the plasters; but this, I apprehend, to be perfectly unnecessaly.

The good which he attributes in discount his discount The good which he attributes in diseased hips to the ointment, I attribute allogether to the support afforded by the gether to the support afforded by the plaster and bandage, forming a kind of splint, and limiting the motion of the joint. splint, and limiting the motion of the joint. This method, in the case up stairs and in a number of others, is productive of and in a number of others, is productive of very good results. But a still better method than this, in the majority of coordinates and a still better method than this. method than this, in the majority of cases, is that of applying a splint adapted to the hip-joint, thigh, and polyie cock. to the hip-joint, thigh, and pelvis, such as are used for the knee and elbon made of a very thick, hard, firm, strong leather, prepared without oil or other grease. This leather is prepared for the purpose, of cow's hide; and the const quence is, that on putting it into water a little below here. quence is, that on putting it into water a little below boiling heat, it becomes soft as wet brown paper, and you may soft it soft as wet brown paper, and you may cut it out to any shape you please, and mould it to the hip, securing it afterward. mould it to the hip, securing it afterwards by a bandage, and leaving it to be on. This splint cannot fail to fit the init This splint cannot fail to fit the joint, and must therefore be easy to a Altogether it answers the purpose and it much worn. Altogether it answers the purpose very well when the thigh is not met bent on the pelvis. Where however this is the purpose very well when the thigh is not met the pelvis. bent on the pelvis. Where, however, this is the case, it is very difficult to adjust the splint, and the plasters and bandance which the splint are prethe splint, and the plasters and bandages which I mentioned just now are preferable. There is still another method of fixing and supporting a diseased which you will see carried into effect in one of the which you will see carried into effect in one of the patients up stairs. The is placed on Mr. Earle's fracture or invalid to the patients up stairs.

#### MIDDLESEX HOSPITAL.

CLINICAL OBSERVATIONS, BY MR. ARNOTT, ON DISEASES OF THE EYE.

1. Turpentine for Iritis.

We need not say that it is an object to get any addition to our stock of remedies for so severe a disease as Iritis. The spirit of turpentine has been recommended by Mr. Hugh Carmichael, and tried in the following case by Mr. Arnott.

Elizabeth Dean was admitted with iritis of both eyes, and presenting the or

dinary symptoms. The disease had existed a month; there was considerable intolerance of light, and redness of the sclerotica; immoveable iris; pupil of its natural size, but irregular, with lymph in small quantity within each; and vision so impair, but irregular, with lymph in small quantity within each; and vision so impaired that she could not distinguish the largest letters. There was no evidence of syphilis.

Previous to the exhibition of calomel, and along with the application of belladonna, an active aperient was given, and the patient was cupped on the temples. By the By these means a diminution of the redness and intolerance of light was obtained. But as the mercury produced no effect on the system, the cupping was repeated at the end of a week. In addition to these means, leeches were twice applied, and ultimately the patient took two grains of calomel and two of on the parties of the patient took two grams of the mercurial of the patient took two grams of the mercurial of the patient of

ontment, but without any effect on the mouth or on the iritis. Under these circumstances, spirit of turpentine, as recommended by Mr. Hugh Carmichael, was given in doses of a drachm, in emulsion, three times a day. The effect of the company of the redness had greatly diminished, effect of this was very marked, for in two days the redness had greatly diminished, and in and in a week the symptoms of active inflammation had wholly subsided, leaving inegularity and the symptoms of active inflammation had wholly subsided, leaving inegularity and the symptoms of active inflammation had wholly subsided, leaving the symptoms of active inflammation had wholly subsided, leaving the symptoms of active inflammation had wholly subsided, leaving the symptoms of active inflammation had wholly subsided, leaving the symptoms of active inflammation had wholly subsided, leaving the symptoms of active inflammation had wholly subsided, leaving the symptoms of active inflammation had wholly subsided, leaving the symptoms of active inflammation had wholly subsided, leaving the symptoms of active inflammation had wholly subsided, leaving the symptoms of active inflammation had wholly subsided, leaving the symptoms of active inflammation had wholly subsided the symptoms of active inflammation had been subsided to the symptoms of active inflammation had been subsided to the symptoms of active inflammation had been subsided to the symptoms of active inflammation had been subsided to the symptoms of active inflammation had been subsided to the symptoms of active inflammation had been subsided to the symptoms of active inflammation had been subsided to the symptoms of active inflammation had been subsided to the symptoms of active inflammation had been subsided to the symptoms of active inflammation had been subsided to the symptoms of active inflammation had been subsided to the symptoms of active inflammation had been subsided to the symptoms of active inflammation had been subsided to the symptoms of active inflammation had been subsided to the symptoms of active inflammation had been subsided to the symptoms of active inflammation had been subsided to the symptoms of active inflammation had been subsided to the symptoms of active infl irregularity of the pupil, and points of adhesion, but with the vision restored.

She afterwards had a trifling relapse; and then, on again trying the turpentine, had have been deadly be induced to take it, it had become so nauseous to her that she could hardly be induced to take it, and when she did, it was rejected. Fortunately the symptoms yielded to cupping and to tast. and to tartarized antimony taken internally.

Mr. Arnott has never seen another instance of a similar amount of benefit from turpentine. He justly remarks that one great objection to it, is the sickness which it which it creates in some.\*

2. Deafness from Tumefaction of the Membrane of the Tympanum, relieved by

J. Parker, aged 19, admitted Jan. 28, with ulcer of the leg and deafness, high had, aged 19, admitted Jan. 28, with ulcer of the leg and deafness, which had existed since childhood; he had always had more or less discharge from his account of the had existed since childhood; he had always had come away. Repeated from his ears, and had been told that some bones had come away. Repeated blistering on an a variety of injections, had been ineffectually tried by him.

On an accurate examination of the degree to which this sense was impaired, a watch was employed, the ticking of which can be heard at the distance of twenty. ling with the right, not further than nineteen. There was no redness, swelling with the right, not further than nineteen. Not the slightest ling, or rawness, of the parietes of the external meatus. Not the slightest appearance where the parietes of the external meatus. The appearance of wax in the left, and but a very trifling in the right ear. The hembrana tympani in each was gone; the cavity of the tympanum in both was filled with a milky secretion, devoid of offensive odour. This having been in some in some degree removed by syringing the parts, the lining membrane of the tympan degree removed by syringing the parts, the lining membrane of the tympanum was seen to be more tunid and redder than natural.

With the was seen to be more tunid and redder than natural.

With the view of correcting this, a solution of the acetate of lead—six grains the one of the description of the acetate of lead—six grains the one of the acetate of lead—six grains the acetate of lead — six gr to the ounce of water—was ordered to be dropped into the ear twice daily, and the parts to be dropped. Under this treatment the improvethe parts to be syringed with it once daily. Under this treatment the improvement was ment was unexpectedly rapid. In five days the hearing distance of the left ear had increase unexpectedly rapid. In five days the hearing distance of the left ear had increased from five inches to two feet ten inches; in the right, from nineteen inches to say (without taking the intermediate periods) inches to seven feet five inches; and (without taking the intermediate periods) in three world feet five inches; and in the right to eighteen. The in three weeks, in the left ear, to fifteen feet; and in the right to eighteen. The discharge now ceased, and the lining of the cavity of the tympanum had lost that swall that swollen and pulpy appearance it had previously presented.

† Ibid.

\* Med. Gaz. April 13, 1839.