

THE LANCET

Supplementary appendix

This appendix formed part of the original submission and has been peer reviewed. We post it as supplied by the authors.

Supplement to: Mendelow AD, Gregson BA, Rowan EN, Murray GD, Gholkar A, Mitchell PM, for the STICH II Investigators. Early surgery versus initial conservative treatment in patients with spontaneous supratentorial lobar intracerebral haematomas (STICH II): a randomised trial. *Lancet* 2013; published online May 29. [http://dx.doi.org/10.1016/S0140-6736\(13\)60986-1](http://dx.doi.org/10.1016/S0140-6736(13)60986-1).

This online appendix has been corrected. The corrected version first appeared at thelancet.com on Aug 2, 2013.

Appendix 1. Additional material for STICH II: causes of death, serious adverse events, investigators and recruitment by centre, measurement of Rankin

Table A1. Causes of death

	Early surgery patients N = 54	Initial conservative patients N= 69
Respiratory/Chest infection	13 (24%)	20 (29%)
Pulmonary embolism/deep vein thrombosis	2 (4%)	9 (13%)
Cardiac	14 (26%)	5 (7%)
Neurological deterioration*	0 (0%)	3 (4%)
ICH (including rebleed)	8 (15%)	20 (29%)
Infection/sepsis*	5 (2%)	4 (1%)
Multi-organ failure*	2 (4%)	4 (6%)
Cancer and other*	5 (9%)	2 (3%)
Unknown cause*	5 (9%)	1 (1%)

Notes: * These categories (containing <10 observations in total) were combined in order to undertake a chi-squared test (p = 0.008)

Table A2. Serious Adverse Events.

There were 139 reported serious adverse events in 107 patients. Some patients experienced more than one event and some patients experienced more than one event in the same category.

Event	Analysis by event		Analysis by patient	
	Early surgery	Initial conservative	Early surgery patients N = 298 (100%)	Initial conservative patients N= 291 (100%)
Number	N=64 (100%)	N=75 (100%)	N=51 (17%)	N=56 (19%)
	% of events	% of events	% of all patients	% of all patients
Respiratory / Chest infection	8 (12%)	13 (17%)	8 (3%)	12 (4%)
Pulmonary embolism /deep vein thrombosis	3 (5%)	1 (1%)	3 (1%)	1 (-)
Cardiac	4 (6%)	8 (11%)	4 (1%)	8 (3%)
Neurological deterioration	9 (14%)	20 (27%)	9 (3%)	17 (6%)
Seizures	10 (16%)	5 (7%)	10 (3%)	5 (2%)
ICH (including rebleed)	12 (19%)	18 (24%)	12 (4%)	18 (6%)
Infection/sepsis	5 (8%)	4 (5%)	5 (2%)	4 (1%)
Multi-organ failure	6 (9%)	5 (7%)	3 (1%)	5 (2%)
Cancer and other	7 (11%)	1 (1%)	7 (2%)	1 (-)

List of Investigators by country and centre together with the number of patients recruited

(In this list centres that recorded zero patients did return at least one screening log)

Australia, Melbourne, Royal Melbourne Hospital (2) – S Davis, P Hand
Austria, Vienna, Rudolfstiftung Wein (0) – G Kleinpeter;
Canada, Edmonton, University of Alberta Hospital (0) – M Findlay
China, Beijing, Beijing Tiantan Hospital (0) – Y Zhao
China, Shanghai, Huashan Hospital (4) – Y Sin, J Hu
Czech Republic, Ostrava, Faculty Hospital of Ostrava (0) – T Krejci, S Poticny
Czech Republic, Prague, Charles University and Military University Hospital (10) – V Benes, O Bradac M Mohapl
Czech Republic, Brno, University Hospital (9) – M Smrcka, V Juran, K Svoboda
Czech Republic, Liberec, Liberec Regional Hospital (2) – P Buchvald, V Benes 3rd
Egypt, Alexandria, Alexandria University Hospital (1) – O S Abdelaziz, I Zidan
Egypt, Mansoura, Mansoura International Specialised Hospital (45) – A-E Shehab-Eldien, E M Kandil, H M Taher, M F El-Faresy
Germany, Münster, Clemens Hospital (2) – A Sepehrnia
Germany, Berlin, Helios Klinikum Berlin Buch (17) – J Kiwit, S Schreiber, F Youssef
Germany, Erlangen, Universitätsklinikum Erlangen (6) – M Buchfelder, F Swozil
Germany, Amberg, Hospital Klinikum Amberg (5) – A Kleindienst, M Marin, M Megele
Germany, Düsseldorf, Medical Faculty, Heinrich-Heine-University (10) – D Hänggi, K Beseoglus
Germany, Heidelberg, University Hospital Heidelberg (9) – K Kiening, B Orakcioglu, P Schiebel
Germany, Münster, University Hospital Munster (6) – M Holling, H Wassmann
Germany, Homburg-Saar, Saarland University Medical Centre (10) – K Schwerdtfeger, J Szczygielski
Germany, Lübeck, University Schleswig-Holstein (3) – G Nowak, S Spuck
Germany, Dessau, Neurochirurgische Klinik (9) – K Sadowy
Germany, Greifswald, Greifswald University (2) – H W S Schroder, C Müller
Germany, Wiesbaden, Dr. Horst Schmidt Kliniken GmbH (2) – G F Hamann, R Schönmayr
Germany, Berlin, Charite – University Medicine Berlin (10) – E Juettler, J Woitzik H Neugebauer
Germany, Jena, Universitätsklinikum Jena (2) – A Waschke, R Kalff
Germany, Hamburg, Asklepios Klinik Altona (0) – Y Chehade
Greece, Thessaloniki, Ippokration General Hospital (3) – P Tsitsopoulos
Greece, Athens, Evangelismos Hospital (6) – G Stranjalis, L Stavrinou
Hungary, Pecs, Pecs University Hospital (4) – A Buki, L Szapary
Hungary, Borsod, Borsod County and University Teaching Hospital (9) – J Dobai
India, Maharashtra, Acharya Vinoba Bhawe Rural Hospital (3) – A Agrawal, A Kakani
India, Bangalore, BGS Global Hospitals (9) – S A V Rao, N K Venkataramana, A L Naik
India, Ludhiana, Christian Medical College and Hospital (3) – S S Grewal, B Gupta
India, Dhakuria, AMRI Hospitals (0) – R Bhattacharya
India, Hyderabad, Care Hospitals (0) – T V R Murty
India, Bangalore, National Institute of Mental Health and Neurosciences (1) – B Indira Devi, G Jagath Lal
India, New Delhi, All India Institute of Medical Sciences (19) – P S Chandra, M Tripathi, B S Sharma
India, Calcutta, National Neurosciences Centre (0) – K Sridhar, R Sengupta
India, Trivandrum, Sree Chitra Tirunal Institute for Medical Sciences and Technology (4) – S Nair, G Menon
India, Visakhapatnam, Care Hospital (3) – P V Ramana, P M Jagannath
Israel, Haifa, Rambam Hospital (0) – L Levi, M Zaaroor
Italy, Rome, University Hospital Sapienza (6) – R Delfini, A Pichierri
Japan, Tokyo, Hospital NTT Medical Center Tokyo (3) – A Morita, T Kimura
Latvia, Riga, Riga East University Hospital, Clinic ‘Gailezers’ (3) – K Auslands
Latvia, Riga, Pauls Stradins Clinical University Hospital (29) – E Valeinis, R Mikijanskis
Lithuania, Klaipeda, Klaipeda University Hospital (28) – A Gvazdaitis, K Jacikevicius, D Liutkus
Republic of Macedonia, Skopje, University Neurosurgical Clinic Skopje (27) – K Lozance, A Chaparoski, I Pangovski
Malaysia, Johor Bahru, Hospital Sultanah Aminah (3) – N Rahman
Malaysia, Kubang Kerian, Hospital Universiti Sains Malaysia (1) – J M Abdullah, S K Sim
Mexico, Mexico City, Instituto Nacional de Neurologia y Neurocirugia (6) – S Romero-Vargas, D Mendez-Rosito
Mexico, Guadalajara, Hospital Civil de Guadalajara (0) – J Ruiz-Sandoval
Nepal, Dharan, B. P. Koirala Institute of Health Sciences (9) – Y B Roka
Nepal, Lalitpur, B & B Hospital (2) – K Sharma

Pakistan, Lahore, Lahore General Hospital (10) – K Mahmood, T Salahuddin
 Pakistan, Peshawar, Northwest General Hospital and Research Centre (6) – M T Khan, F F Khan
 Poland, Poznan, Karol Marcinkowski University of Medical Sciences (3) – S Nowak, B Sokol
 Poland, Bialystok, Medical University Hospital (21) – P Szydlik, Z Mariak, J Kochanowicz
 Romania, Cluj-Napoca, Cluj County Emergency Hospital (10) – I S Florian, P A Kiss
 Romania, Timisoara, County Hospital (31) – H Ples, M A Angelescu, M S Hanas
 Russia, Novosibirsk, Novosibirsk State Medical University (3) – A Krivoshapkin
 Saudi Arabia, Riyadh, King Khalid University Hospital (0) - E Elgamal
 Singapore, Singapore, National University Hospital (1) – D K S Choy, KJ Teo
 South Africa, Pretoria, Steve Biko Academic Hospital (0) – S Mokgokong
 Spain, Valladolid, Hospital Universitario Rio Hortega (3) – R S Sarabia, I A Reganon
 Spain, Murcia, University Hospital Murcia (1) – M Galarza
 Spain, Santander, University Hospital Marques de Valdecilla (12) – A Vazquez-Barquero, I Pinto Rafael
 Spain, Bilbao, Cruces University Hospital (0) – J Garibi, I Pomposo,
 Spain, Valladolid, Hospital Clinico Universitario (2) – R Sarabia
 Spain, Palma de Mallorca, Son Espases University Hospital (1) – J Ibanez, E Gonzalez
 Spain, Badalona-Barcelona, Germans Trias I Pujol Hospital (1) – C Dominguez, L Muñoz
 Sri Lanka, National Hospital of Sri Lanka (25) – H S Kularathne, S D Perera, P Kamani
 Turkey, Istanbul, Istanbul University Faculty of Medicine (3) – O Barlas, N Y Barlas
 UK, Leeds, Leeds General Infirmary (2) – J Timothy, R Mathew
 UK, Middlesbrough, James Cook University Hospital (1) – R Strachan, S Metcalfe
 UK, Salford, Salford Royal (3) – A King, H Patel
 UK, London, Atkinson Morley Department of Neurosurgery (10) – B A Bell, T L Jones
 UK, Southampton, Southampton University Hospital (3) – D Bulters, A Belli, S Ross
 UK, Dundee, Ninewells Hospital and Medical School (8) – S Eljamel, F Falcone
 UK, Brighton, Hurstwood Park Neurosurgical Centre (1) – G Critchley
 UK, Cambridge, Addenbrooke's Hospital (4) – P Kirkpatrick
 UK, Newcastle, Royal Victoria Infirmary (45) – J Crossman, A D Mendelow, P Mitchell, N Ross, P Bhattathiri, S Metcalfe, D Holliman
 UK, Aberdeen, Aberdeen Royal Infirmary (1) – P Bhatt, M Kamel
 UK, Liverpool, The Walton Centre (0) – P Eldridge
 UK, Preston, Lancashire Teaching Hospital NHS Trust (2) – N Gurusinghe, N Kumarasinghe
 UK, Edinburgh, Western General Hospital (3) – R A Salman, I Whittle
 USA, Hartford, Hartford Hospital (19) – I Kureshi, L Hosig
 USA, Philadelphia, Temple University Hospital (10) – M Weaver, F Sultan, D Laske, P Connolly
 USA, St. Louis, Washington University School of Medicine (0) – G Zipfel
 USA, Albany, Albany Medical Centre (0) – J German
 USA, Chicago, Loyola University Hospital (0) – M Schneck, C Loftus
 USA, Hershey, Penn State Hershey Medical Centre (1) – K M Cockcroft
 USA, Jacksonville, Mayo Clinic (1) – B H Eidelman, J F Meschia
 USA, Chicago, University of Illinois Hospital and Health Sciences System (3) – S Amin-Hanjani, K Slavin

Version of Rankin used in STICH and STICH II

As a result of your brain haemorrhage, how would you rate your general health?

(Please tick the *one* box which seems most appropriate to you)

I am perfectly fit and well

I have a few minor problems but they do not affect my lifestyle

I can do all everyday activities, but my lifestyle is restricted

My lifestyle is very restricted. I need some help with everyday activities

My lifestyle is very restricted. I need a lot of help but not constant attention

I am totally dependent and need 24 hour care

<input type="checkbox"/>
<input type="checkbox"/>
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