Service of the content of the conten	Appendix Table 5. Results of	f included studies			
Fig. 12 a		Primary outcome (if defined)	Secondary outcome	Harms	Comments
Part	Early surgery Kirkley, A. (I) 1999 (4),	(ii) Mean WOSI (%) at five years (79 months) [CI 95%]:	(I) Redislocation rate at two years:	(I) Septic arthritis: Intervention: 1/19 (5%)	One redislocation in the intervention groups
Service of the content of the conten	(II) 2005 (15), Canada	Intervention: 86% - Control: 74.8% [-5.8% to 8.7%] No statistically significant differences between groups	Intervention: 3/19 (16%) - Control: 9/19 (47%) Statistical difference between groups, P=0.03 Recurrent instability rate: Intervention: 5/19 (26%) patients - Control: 16/19 (84%)	(II) Not reported	occurred according to the Kaplan - Mayer curve at three years, but it seems to be reported to have occurred at two years
Service of the content of the conten			Mean WOSi (%) at two years (33.87 months) [95% CI for between groups difference]: Intervention: 86.3 - Control: 69.8 [1.6 to 33.2]		,
Reference of the control of the cont			(ii) Mean ASES (79 months) [95% C for between groups differencel]: Intervention: 94.7% - Control: 93.5% [-8.0 to 6.2]		
Reference of the control of the cont			Mean DASH (79 months) [95% Cl for between groups difference]: Intervention: 95.8% - Control: 94.1% [-4.8 to 8.3] No statisfically significant differences between groups in any outcome.		
Reference of the control of the cont	Wintzell, G. (I) 1999 (7), (II) 1999 (16), Sweden		(i) Redislocation rate: Intervention: 4/30 (13%) - Control: 13/30 (43%) Statistical difference between groups, P=0.02	(i) No intra or postoperative complications (ii) Not reported	Patient materials and outcomes incoherently reported between reports
Registration of the content of the c			Crank test (positive): intervention: //26 (27%) - Control: 17/24 (74%) Statistical difference between groups, P=0.008 Rowe score (excellent): intervention: 22/26 (73%) - Control: 9/23 (39%)		
			Statistical difference between groups, P=0.003		
			(II) Redissocation rate: Intervention: J/15 (20%) - Control: S/15 (50%) - P=0.03 Reoperations (performed or planned): Intervention: 2/15 (13%) - Control: 6/15 (40%) - P=0.11 Apprehension and relocation test (positive): Intervention: 53% - Control: 75% - P=0.23		
	Jakobsen, B. 2007 (3), Denmark		Constant Score: Intervention: 91 - Control: 87 - P not significant Redislocation rate at two years: Intervention: 1/37 (3%) - Control: 21/39 (54%) Statistical difference between require Pel 0011	Pain or stiffness of the index shoulder:	
### 1985					
			No statistically significant differences between groups of nonredislocated shoulders		
	(Scotland)	Redislocation rate: Intervention: 3/42 (7%) - Control: 12/42 (38%) Statistical difference between groups not reported Subluxation rate: Intervention: 0/42 (0%) - Control: 4/42 (10%)	SF-36, DASH, WOSI and ROM: Exact numbers not reported No statistically significant differences between groups in SF-36 or ROM Statistical difference between groups in DASH and WOSI, P<0.05,	Erythema and swelling: Intervention: 1/42 (2%) - Control: 1/42 (2%) Adhesive capsulitis: Intervention: 2/42 (5%) - Control: 1/42 (2%) Capsulotomy: Intervention: 1/42 (2%)	Number of patients in results in treatment groups do not match with reported in follow-up Statistical differences between groups in DASH and
Series of the control		Statistical difference between groups not reported			WOSI are not clinically relevant (differences below MCID)
Series of the content	Arm position				
### 1985	Itol, E. 2007 (43), Japan	Recurrent instability rate: Intervention: 22/85 (25%) - Control: 31/74 (42%) Absolute RR 16.0%, Relative RR 38.2%	Surgery because of recurrent instability: Intervention: 8/22 (36%) - Control: 9/31 (29%)	Temporary stiffness: Intervention: 6/85 (7%)	
### 1985 Part		Statistical difference between groups, P=0.033	Statistical difference between groups not reported Compliance (full time): Intervention: 61/85 (72%) - Control: 39/74 (53%) No statistically significant differences between groups		
	Finestone, A. 2009 (41), Israel		Redislocation rate: Interpretion: 10/27 (37%) - Control: 10/24 (42%)	Surgery because of recurrent instability: 6/20 (30%) Axillary nerve neurapraxia: 10/51 (20%)	
Service Control of the Control of th			Mean time to redislocation, months (range): Intervention: 13.8 (4 to 43) - Control: 12.4 (4 to 36) Operative treatment: Total: 6/20 (30%) redislocated shoulders Statistical difference between groups not reproched.	Axillary rash: 2/24 (8%)	
March Marc					
March Marc	Liavang, S. 2011 (44), Norway		Redislocation rate: intervention: 28/91 (31%) - Control: 23/93 (25%) Recurrent instability rate: intervention: 31/81 (38%) - Control: 36/82 (42%)	Hyperestesia: Intervention: 1/91 (1%) Moderate pain: Intervention: 1/91 (1%)	
Part			WOSI (raw, interquartile range): Intervention: 238 (101 to 707) - Control: 375 (135 to 719) No statistically significant differences between groups	Cutaneous hypoestesia: Control: 1/93 (0%)	
Part	Heldari, K. 2014 (42), Iran	Recurrent instability rate: Intervention: 2/51 (3.9%) - Control: 17/51 (33.3%) Absolute RR 29.4%, Relative RR: 88.2%		Transient shoulder rigidity: Intervention: 3/51 (5.9%)	Difference between groups in WOSI scores is not clinically relevant (MCID = 210 points)
Secretary and the secretary of the secre			Mean WOS1 (raw) (SD) (33 months): Intervention: 187.72 (±67.5) - Control: 230.92 (±78.8) Statistical difference between groups, P < 0.004		
Secretary and the secretary of the secre	Whelan, D. 2014 (45), Canada	Redislocation rate: Intervention: 6/27 (22%) - Control: 8/25 (32%) Subluxation rate: Intervention: 4/27 (15%) - Control: 2/25 (8%) No statistically significant differences between groups	Mean WOS1 (%, SD) Baseline -> One year follow-up: Intervention: 32.41 % (±15.40) -> 87 % (±14) Control: 32.69 % (±15.39) -> 84 % (±21)	Not reported	
Secretary and the secretary of the secre			No statistically significant differences between groups Mean ASES (SD) Baseline -> One year follow-up:		
Secretary and the secretary of the secre			Control: 46.13 (±23.35) -> 89 (±14) Questionable clinical significance and borderline statistical significance (P=0.05)		
Part					
Part	Use of restriction band				
March Marc	Itol, E. 2013 (53), Japan	Redislocation rate: Intervention1: 30/31 (32%) - Intervention2: 10/30 (33%) - Control: 8/29 (28%) No statistically significant differences between security	Return to sports: Intervention1: 21/24 (88%) - Intervention2: 16/22 (73%) - Control: 18/21 (86%) No statistically significant difference between arrows	Not reported	
March Marc		, services between groups	Return to preinjury level in sports: Intervention1: 14/24 (58%) - Intervention2: 12/22 (55%) - Control: 13/21 (62%)		
Service of the content of the conten	Chronic post-traumatic		No statistically significant difference between groups		
Series 3 19 19 19 19 19 19 19 19 19 19 19 19 19	shoulder instability Open versus arthroscopic				
	Sperber, A. 2001 (46), Sweden		Constant score: Intervention: 100 (82-100) - Control: 98 (67-100) Statistical difference between groups not reported	Intervention: Long thoracic nerve injury: 1/30 (3%) patients	Secondary outcomes are reported only in stable shoulders
			Rowe score: Intervention: 100 (90-100) - Control: 95 (75-100) Statistical difference between groups not reported Less of external prairies (external prairies) - (100-100)	Reoperation: 1/30 (3%) patients Control: Paralytech pain: 1/26 (4%) patients	
			Statistical difference between groups, P=0.94 Positive apprehension test: Intervention: 0/23 (0%) - Control: 3/23 (13%)		
# 19 10 10 10 10 10 10 10 10 10 10 10 10 10	Fabbriciani, C. 2004 (2), Italy		Absolute Constant score (5D) [Improvement from baseline (5D)]: Intervention: 89.5 (±4.25) [23 (±5.89)] points Control: 86.7 (±6.07) [20.2 (±8.22)] points	No intra or postoperative complications	
### 1981 전 1981 전 1982			Relative Constant score (SD) (score compared to contralateral side): Intervention: 97.1% (±3.81) - Control: 94.1% (±7.37)		
Service of the content of the conten			Intervention: 91 (+15.06) - Control: 86.5 (+12.92)		
	Netto NA 2012 (5) Brazil	Mean DASH (range SD):	No statistically significant difference between groups Redislocation rate: 0/60 (0%) IECA acceptorate (5%) intersention: 92% - Control: 94.1%	Redislocations: Control: 2/25 (8%)	LICLA and Rowe scores not reported in numbers
### 1981 전 1982	, (-//	Intervention: 2.65 (0 to 24, ±7.3) - Control: 4.22 (0 to 21, ±5.8)		Superficial wound infection: Intervention: 1/22 (5%)	
Reserved for the second process of the secon	Mohtadi, N. 2014 (47),		Mean ASES (CI 95%, SD) Baseline - > Two year follow-up:	Intervention:	
	Canada	Intervention: 41.7% (37.9 to 45.5, ±19.0) -> 85.2% (80.5 to 89.8, ±20.4) Control: 40.6% (36.9 to 44.3, ±18.4) -> 81.9% (77.4 to 86.4, ±19.8) No statistically significant differences between groups	Intervention: 67.3 (63.5 to 71.0, ±18.7) -> 91.4 (88.5 to 94.4, ±12.7) Control: 64.0 (59.6 to 68.4, ±21.6) -> 88.2 (84.6 to 93.8, ±15.9) No statisficially significant difference between groups at two year follow-up but both groups	Superficial wound infection: 2/79 (2.5%)	
Service Servic			Improved from baseline, P<0.05 Redislocation rate: Intervention: 7/80 (8.8%) - Control: 16/87 (18.4%)	Allergic reaction to NSAIDS: 2/79 (2.5%) Control:	
Marked Tolland Service Control of			Subuxation rate: Intervention: 2/80 (2.5%) - Control: 4/87 (4.6%) Statistically significant difference between groups, P<0.05	Temporary nerve dystunction (resolved uneventrully): 1/8a (1.2%)	
# 1982	nonabsorbable implant				
Region of the content	Warme, WJ. 1999 (50), USA	A	Mean loss of external rotation, ER (degrees): Intervention: 3 (0-15) Control: 3 (0-10)	Not reported	Outcomes were not defined preoperatively
			Mean Rowe score baseline -> two year follow-up (SD)		
Service of the control of the contro			Control: 47 (14) -> 93 (10) No statistically significant difference in postoperative scores between groups, P=0.55		
Part			Stability testing: Not reported Drill holes in radiographs (At two years): "Uniformly difficult to distinguish"		
Residence of the control of the cont			Recurrent dislocation: Intervention: 1/18 (6%) patients - Control: 1/20 (5%) patients Subluxation: Control: 1/20 (5%) patients		
Residence of the control of the cont					
Manusch (1997) Manusc	Tan, C. 2006 (49), UK		Baseline -> Two year follow-up: Mean OSIS (SD):Intervention: 36 (±8) -> 18 (±6) - Control: 36 (±7) -> 20 (±10) Statistical difference between groups not reported	Subluxation: Control: 4/61 (7%) Revision surgery: 6/124 (5%)	
Manusch (1997) Manusc			Mean VAS pain (SD): Intervention: 1.7 (±1.8) -> 0.3 (±0.7) - Control: 1.8 (±1.3) -> 0.7 (±1.6) Mean VAS Instability (SD): Intervention: 4.6 (±2.3) -> 0.8 (±0.2) - Control: 4.7 (±1.6) -> 1.1 (±0.3)	Superficial wound infection: Intervention: 1/63 (2%) - Control: 1/61 (2%)	
Manusch (1997) Manusc			Mean 5r-12 Mental (5D):Intervention: 55 (27) -> 50 (29) - Control: 4a (28) -> 56 (28) Mean 5r-12 Mental (5D):Intervention: 55 (55) -> 53 (27) - Control: 53 (28) -> 55 (26) No statistically significant difference in improvement between groups in any outcome		
	Milano, G. 2010 (48), Italy	Median DASH (range) [CI 95%]: Intervention: 4.5 (0 to 27) - Control: 7 (0 to 25) [-3.25 to 2.84]	Median Rowe (range) [CI 95%]: Intervention: 100 (60 to 100) - Control: 100 (25 to 100) [-12.1 to 3.70]	Not reported	
Management Man		No statistically significant differences between groups	Median Constant score (range) [Cl 95%]: Intervention: 98 (81 to 107) - Control: 98 (87 to 121) [-5.44 to 1.88] Recurrent (notability, Intervention: 1/36 (3%) - Control: 2/34 (6%)		
Service of the Control of the Contro			No statistically significant differences between groups in any outcome		
Services A. 2000 [St.) Or Comment of 200 and 100 and					
Part	arthroscopic surgery				
Part					
Part					
Part	Italy (51),	FF (Forward flexion, degrees): Intervention: 169 (81-105) -> 172.5 (155-180)	Intervention: 73.1 (55-80) -> 80.3 (72-87) Control: 75 (67-80) -> 80.9 (84-92)	infection or intra and postoperative neuro-vascular complications."	
Mode		Control: 177.8 (170-180) -> 163.3 (140-175) ER1 (External rotation, arm at side, degrees): Intervention: 61 (30-90) -> 63.7 (45-90)	Statistically significant difference between groups in improvement, P<0.001 Mean UCLA Baselline -> Two year follow-up: Intervention: 24.1 (14-31) -> 34.1 (28-35)		
Mode		Control: 57.2 (45-80) -> 58.9 (40-80) ER2 (External rotation, arm 90 degrees abducted, degrees):	Control: 24.4 (20-26) -> 34.7 (32-35) No statistically significant difference between groups in increase, P=0.293		
Materialization forms and interest forms (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)		Control: 88.9 (80-95) -> 86.1 (70-95) IR2 (Internal rotation, arm 90 degrees abducted, degrees):	Control: 97.8 (92-105) -> 115.1 (108-120) Control: 97.8 (92-105) -> 118.9 (116-120)		
Materialization forms and interest forms (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)		Intervention: 59.6 (45-80) -> 61.8 (40-80) Control: 65.6 (60-70) -> 63.3 (45-75) Statistially significant difference between intervention and control excur-	No statistically significant difference between groups in increase, P=0.089 Post-hoc: Recurrent instability:		
Market No. 1. 2005 [13] Continue A. 2005 [13] Co	Absorbable versus	regarding the change of forward flexion (P<0.001)	Intervention: 1/20 (5%) patients - Control: 0/20 (0%)		
Manual Accordance Manu	absorbable implant materials (tacks)	(i) Drill hole visibility: More visible in the intervention are (0-0.004)	Baseline -> (I) Two year follow-up -> (II) Seven year follow-up	(i) Reflex sympathetic dystrophy: Control: 1/20 (5%)	Failure rate reported for 36 nations which does
Machine for the property of th	(II) Elmlund, A. 2009 (56),	(ii) Drill hole visibility: More visible in the intervention group (P<0.004)	Constant score (range): Intervention: 77 (29 to 89) -> 84 (35 to 97) -> 84.5 (29 to 96)	(II) Intervention: 3 patients had early (1day to 4 weeks) unspecified symptoms as pain, grinding and low-grade fever (subsided in 48hours), 1	not match with the number of patients at the end of the follow-up
Intervention 5.0 (100 and 0.0 (100 to 100 to	sweden		Control: 62 (42-98) -> 87 (8 to 100) -> 88 (25 to 99) No statistical difference between groups Rowe score (range):	patient developed severe restriction in ROM, 1 patient developed moderate degenerative arthritic changes	
Method extractions of dispersations (2005) patterns company (1) (20) (20) (20) (20) (20) (20) (20) (20			Interpretation FF F (30 to 88) > 00 (35 to 300) - 80 (40 to 300)		
Alternative versus Alternative versus Annual vers			Muscle strength: No statistical difference between groups		
Absorbition worked from the control of the control			(ii) intervention: 1/20 (5%) patients - Control: 1/20 (5%) patients (ii) intervention: 1+1 patients - Control: 2+1 patients		
Market Spino (Face) Real Committed (GC 2000 (S7)) Real Commi	Absorbable versus		No statistical difference between groups		
Control 72.58 (35 to 50) Control 72.58 (35 to	nonabsorbable suture materials Monteiro, GC. 2008 (57).		Mean Rowe (range):	Not reported	Results given for followed patients only
Rehabilitation Enhabilitation Enhabilitation	Brazil				"Failure" is not further defined Functional examinations are not further defined
Rehabilitation Enhabilitation Enhabilitation			Intervention: 84.09 (40 to 98) Control: 79.25 (40 to 98)		
Corrol 3/24 (12-50) patients Rim, 5-1-2003 (5B), Kores Redislocation ratic (0/23 (0%) Rim, 5-1-2003 (5B), Kores Redislocation ratic (0/23 (0%) Redislocation ratic (0/23 (0%) Rod statistically significant differences between groups Rod statistically significant differences between groups in any outcome Rod statistically significant differences between groups in any outcome Rod statistically significant differences between groups in any outcome Rod statistically significant differences between groups in any outcome Rod statistically significant differences between groups in any outcome Rod statistically significant differences between groups in any outcome Rod statistically significant differences between groups in any outcome Rod statistically significant differences between groups in any outcome Rod statistically significant differences between groups in any outcome Rod statistically significant differences between groups in any outcome Rod statistically significant differences between groups in any outcome Rod statistically significant differences between groups in any outcome Rod statistically significant differences between groups in any outcome Rod statistically significant differences between groups in any outcome Rod statistically significant differences between groups in any outcome Rod statistically significant differences between groups in any outcome Rod statistically significant differences between groups in any outcome Rod statistically significant differences between groups in any outcome Rod statistically significant differences between groups in any outcome Rod statistically significant differences between groups in any outcome Rod statistically significant differences between groups i			Mean deficit in ER (degrees, range): 5 (3 to 12) Failure (not defined): Intervention: 2/21 (10%) patients		
Sudheration rates (7/2 (7%)) The statistically significant differences between groups Committed 15 (15 to 2.5 t. 2.4 t. 2.3 t. 2.5 t / (7.5 t. 0.5 t. 2.2) Committed 15 (15 to 2.5 t. 2.4 t. 2.3 t. 2.5 t / (7.5 t. 0.5 t. 2.2) Committed 15 (15 to 2.5 t. 2.4 t. 2.3 t. 2.5 t / (7.5 t. 0.5 t. 2.2) Committed 15 (15 to 2.5 t. 2.4 t. 2.3 t. 2.5 t / (7.5 t. 0.5 t. 2.2) Committed 15 (15 to 2.5 t. 2.4 t. 2.3 t. 2.5 t / (7.5 t. 0.5 t. 2.3) Committed 15 (15 to 2.5 t. 2.4 t. 2.3 t. 2.5 t / (7.5 t. 0.5 t. 2.3) Committed 15 (15 to 2.5 t. 2.4 t. 2.3 t. 2.5 t / (7.5 t. 0.5 t. 2.3) Committed 15 (15 to 2.5 t. 2.4 t. 2.3 t	Pohabilit		Control: 3/24 (12.5%) patients		
No statistically significant differences between groups Intervention 12 / (3 to 2 to 3 to 3 to 7 to 3 to 3 to 3 to 3 to 3	Kim, S-H. 2003 (SB), Korea	Subluxation rate: 0/62 (0%)	Mean UCLA (range, SD):	Not reported	
Intervention 2.3.6 (10 to 40, 279) - 26.1 (5 to 50, 26.9) Anatomic versus from statistically significant difference between groups in any outcome Anatomic versus from statistically significant difference between groups in any outcome Anatomic versus from statistically significant difference between groups in any outcome Anatomic versus from statistically significant difference between groups in any outcome Anatomic versus from statistically significant difference between groups in any outcome Anatomic versus from statistically significant difference between groups from statistically significant statistics from statistics f		No statistically significant differences between groups	Intervention: 18.7 (14 to 23, ±2.3) -> 32.7 (27 to 35, ±2.2)		
Intervention 2.3.6 (10 to 40, 279) - 26.1 (5 to 50, 26.9) Anatomic versus from statistically significant difference between groups in any outcome Anatomic versus from statistically significant difference between groups in any outcome Anatomic versus from statistically significant difference between groups in any outcome Anatomic versus from statistically significant difference between groups in any outcome Anatomic versus from statistically significant difference between groups in any outcome Anatomic versus from statistically significant difference between groups from statistically significant statistics from statistics f			Intervention: 49.6 (40 to 66, ±5.7) -> 88.1 (70 to 96, ±8.9) Control: 49.3 (36 to 67, ±8.8) -> 88.0 (70 to 98, ±7.7)		
Analtentic versus monancients surgical Mean flower at two years: intervention: 50 - Control: 50 Mean MONE (19) (rough at 15 years) Mean MONE (19) (rough a			mean kowe (range, SD): Intervention: 23.E (30 to 40, ±7.9) -> 91.9 (55 to 100, ±9.9) Control: 22.7 (10 to 40, ±8.7) -> 90.5 55 to 100, ±10.7)		
Also - American Shoulder and Elmor Surgaon Standarded Shoulder Assessment Score ASSS - Alleries of Army Shoulder and Elmor Surgaon Standarded Shoulder Assessment Score ASSS - Alleries of Army Shoulder and Elmor Surgaon Standarded Shoulder Assessment Score ASSS - Alleries Shoulder Shoulder Standarder Shoulder Assessment Score ASSS - Alleries Standarder Shoulder Standarder Standar			No statistically significant differences between groups in any outcome		
Severien Mean WOSI (15) (zeroz) at 10 years: 1000 (15) to 80) No statistically significant diffusity signifi	nonanatomic surgical				
Revision surgery at 10 years intercentions 4/32 (13%) - Centred 4/30 (13%) ABST - American Shoulder and Ellow Surgeon Standarded Shoulder Assessment Score ASSS - Albeits Dudder Outcome Scoring System OASIS - Dalvid Shoulder Outcome Scoring System SASS - Should Shoulder Outcome Scoring System SASS - Should Shoulder Shoulder Shoulder Assessment Score SASS - Should Should Shoulder Shou	Salomonsson, B. 2009 (52), Sweden			Not reported	
Revision surgery at 10 years intercentions 4/32 (13%) - Centred 4/30 (13%) ABST - American Shoulder and Ellow Surgeon Standarded Shoulder Assessment Score ASSS - Albeits Dudder Outcome Scoring System OASIS - Dalvid Shoulder Outcome Scoring System SASS - Should Shoulder Outcome Scoring System SASS - Should Shoulder Shoulder Shoulder Assessment Score SASS - Should Should Shoulder Shou			No statistically significant difference between groups Recurrent instability rate at 10 years: Intervention: 19/32 (59%) - Control: 15/30 (50%)		
Abbreviations AGES - Munician Shoulder and Ellions Surgeons Standardized Shoulder Assessment Score AGES - Munician Shoulder and Ellions Surgeons Standardized Shoulder Assessment Score C Confidence instruct G Confidence instruct			Redislocation rate at 10 years: Intervention: 11/32 (34%) - Control: 8/30 (27%) No statistically significant difference between groups Revision surrery at 10 years: Intervention x/32 (33%) - Control: 4/30 (33%)		
OSS: 5 offerd Shoulder Installity Scene ROM: Engred Photolog Installity Scene SANE: 5 steple Assessment Numeric Evaluation Score 5 - Stended Novelton 5 - Stended Novelton 5 - Stended Novelton 5 - Stended Novelton			ngar, and an analysis and an a		
OSS1 - Oxford Shoulder Installally Kcere ROM- Range of Motion SANE - Stage Assessment Numeric Evaluation Score	Abbreviations ASES - American Shoulder ASOSS - Athletic Shoulder C	and Elbow Surgeons Standardized Shoulder Assessment Score Jutcome Scoring System			
SAME - Single Assessments SAME - Single Assessm					
30 - Strawer Levision 58 - The Bhort Ent Neith Survey 58 - The Bhort Ent Neith Survey (WOSI - Western Ontain's Shoulder Instability Index	ROM - Range of Motion SANE - Single Assessment F	Numeric Evaluation Score			
WOSI - Western Ordator Shoulder trestability Indice	SD - Standard Deviation SF - The Short Form Health UCLA - University - 4 C-***	Survey			
	WOSI - Western Ontario Sh	soulder Instability Index			