Appendix 2 – Supplementary figures

Figure A1 – Meta-analysis for 'Age' on 'ASES raw scores', medium-long term (sensitivity analysis)

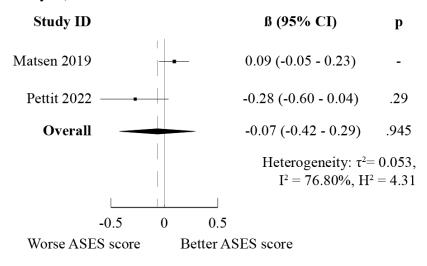


Figure A2 – Meta-analysis for 'Previous surgery' on 'Poor ASES score', medium-long term (sensitivity analysis)

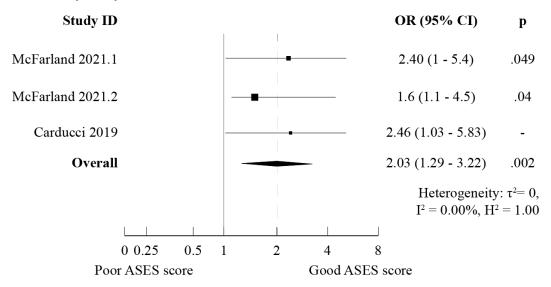


Figure A3 – Summary of Findings figure for Functional Recovery, short term

Short term - Functional recovery

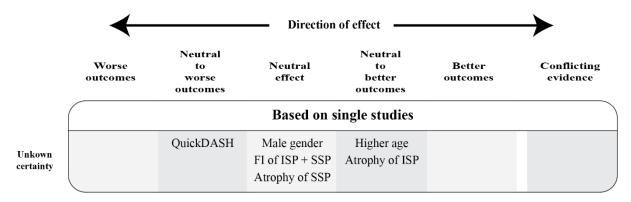
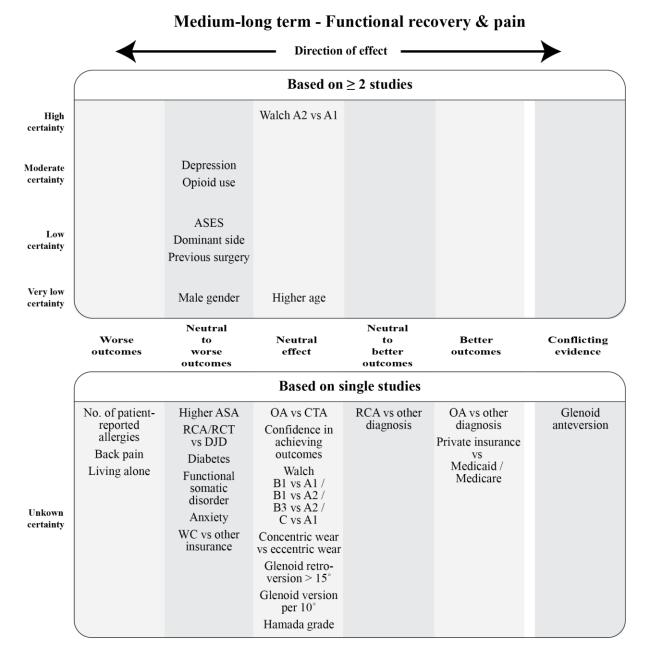


Figure A4 – Summary of Findings figure for Functional Recovery & Pain, medium-long term



Unclear effect

Higher BMI, comorbdities (unspecified), CCI, smoking, atrophy of SSP, glenoid inclination, expectation 'relieving nighttime pain', no. of very important expectations, college education, home zip code median income, marital status, level of activity at work, percent subluxation, Medicare/private insurance vs Medicaid

Figure A5 – Summary of Findings figure for Functional Recovery, medium-long term

Medium-long term - Functional recovery **Direction of effect** Based on ≥ 2 studies Male gender Moderate certainty Higher age Low SST Previous surgery certainty Neutral Neutral Neutral Conflicting Worse to to **Better** outcomes worse effect better outcomes evidence outcomes outcomes Based on single studies Functional Diabetes Anxiety Mean Depression somatic expectation Greater ROM in Concentric wear disorder score external rotation vs eccentric wear Walch C vs A1 Glenoid version WC vs 'other' Unkown insurance Confidence in certainty achieving outcomes Walch

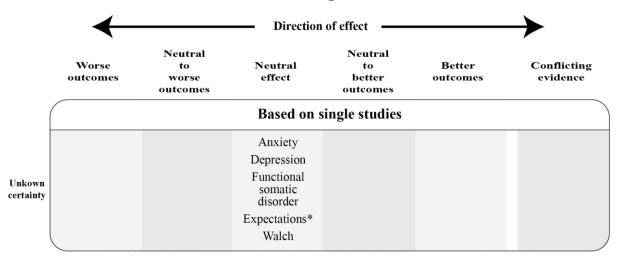
A2/B1/B2 vs A1

Unclear effect

Higher BMI, diagnosis, no. of comorbidities, no. of patient-reported allergies, tear limited to SSP & ISP, glenoid inclination, expectation 'Improving non-overhead sports', (Quick)DASH, SANE, SST, college education, work status, percent subluxation, commercial insurance/WC vs Medicare

Figure A6 – Summary of Findings figure for Pain, medium-long term

Medium-long term - Pain



^{*} Includes 'Confidence in achieving outcomes', 'Expectation 'Relieving nighttime pain'', 'Mean preoperative expectation score' and 'No. of very important expectations'

Unclear effect

Male gender, higher age, higher BMI, no. of comorbidities, no. of patient-reported allergies, college education, work status, dominant side, previous surgery

Figure A7 – Summary of Findings figure for Functional Recovery & Pain, long term

Long term - Functional recovery & pain Direction of effect Based on ≥ 2 studies Low Male gender certainty Neutral Neutral Worse Conflicting Neutral **Better** to to better outcomes worse effect outcomes evidence outcomes outcomes Based on single studies CTA vs OA Higher age Atrophy SSP Unkown Rotator cuff FI Rotator cuff certainty tendinopathy

 $Figure\ A8-Summary\ of\ Findings\ figure\ for\ Functional\ Recovery,\ long\ term$

