

InSpace balloon implant

Key literature summary reference guide



Q:

A:

Which studies have the longest patient follow-up?

- The biodegradable spacer as a novel treatment modality for massive rotator cuff tears: a prospective study with 5-year follow-up

Senekovic V, Poberaj B, Kovacic L, Mikek M, Adar E, Markovitz E, Maman E, Dekel A. Arch Orthop Trauma Surg. Jan 2017; 137(1): 95-103.

- The subacromial balloon spacer for massive irreparable rotator cuff tears: approximately 3 years of prospective follow-up

Piekaar RSM, Bouman ICE, Van Kampen PM, Van Eijk F, Huijsmans PE. Musculoskelet Surg 2020; 104(2): 207-214.

Which study evaluates the outcomes of the InSpace with or without a biceps procedure?

- Biceps tenotomy does not affect the functional outcomes of patients treated with spacer implantation

Maman E, Safran O, Beyth S, Mozes G, Dekel A, Michael B, Chechik O, Adar E. The Open Orthopaedics Journal 2017; 11: 1577-1584

Which study performed a biomechanical assessment comparing the InSpace implant versus superior capsular reconstruction (SCR)?

- The subacromial balloon spacer versus superior capsular reconstruction in the treatment of irreparable rotator cuff tears: a biomechanical assessment

Singh S, Reeves J, Langohr GDG, Johnson JA, Athwal GS. Arthroscopy 2019; 35(2): 382-389

What systematic reviews are there on the effectiveness of the InSpace implant?

- Subacromial spacer implantation for the treatment of massive irreparable rotator cuff tears: a systematic review

Moon AS, Patel HA, Ithurburn MP, Brabston EW, Ponce BA, Momaya AM. Arthroscopy 2018; 35(2): 607-614

- Outcomes of subacromial balloon spacer implantation for massive and irreparable rotator cuff tears: a systematic review

Stewart RK, Kaplin L, Parada SA, Graves BR, Verma NN, Waterman BR. Orthop J Sports Med 2019; 7(10): 1-10

- Implantable subacromial balloon spacers in patients with massive irreparable rotator cuff tears: a systematic review of clinical, biomechanical, and financial implications

Johns WL, Ailaney N, Lacy K, Golladay GJ, Vanderbeck J, Kalore NV. Arthroscopy, Sports Medicine and Rehabilitation, 2020 2(6) e855-e872

Q:

A:

What types of complications have been reported in the literature?

- Subacromial spacer implantation for the treatment of massive irreparable rotator cuff tears: a systematic review

Moon AS, Patel HA, Ithurburn MP, Brabston EW, Ponce BA, Momaya AM. *Arthroscopy* 2018; 35(2): 607-614

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How does the InSpace balloon work biomechanically at time zero?

- Biomechanics of biodegradable subacromial balloon spacer for irreparable superior rotator cuff tears: study of a cadaveric model

Lobao MH, Canham RB, Melvani RT, Abboud JA, Parks BG, Murthi AM. *JBJS* 2019; 101(11): e49

- The subacromial balloon spacer versus superior capsular reconstruction in the treatment of irreparable rotator cuff tears: a biomechanical assessment

Singh S, Reeves J, Langohr GDG, Johnson JA, Athwal GS. *Arthroscopy* 2019; 35(2): 382-389

- The effect of the subacromial balloon spacer on humeral head translation in the treatment of massive, irreparable rotator cuff tears: a biomechanical assessment

Singh S, Reeves J, Langohr GDG, Johnson JA, Athwal GS. *JSES* 2019; 28(10): 1841-1847

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