

- 22 Zulian F, Martini G, Gobber D, *et al.* Comparison of intra-articular triamcinolone hexacetonide and triamcinolone acetonide in oligoarticular juvenile idiopathic arthritis. *Rheumatology (Oxford)* 2003;42:1254–9.
- 23 Pyne D, Ioannou Y, Mootoo R, *et al.* Intra-articular steroids in knee osteoarthritis: a comparative study of triamcinolone hexacetonide and methylprednisolone acetate. *Clin Rheumatol* 2004;23:116–20.
- 24 Garg N, Perry L, Deodhar A. Intra-articular and soft tissue injections, a systematic review of relative efficacy of various corticosteroids. *Clin Rheumatol* 2014;33:1695–706.
- 25 Valtonen EJ. Clinical comparison of triamcinolonehexacetonide and betamethasone in the treatment of osteoarthritis of the knee-joint. *Scand J Rheumatol Suppl* 1981;41:1–7.
- 26 Kumar A, Dhir V, Sharma S, *et al.* Efficacy of Methylprednisolone Acetate Versus Triamcinolone Acetonide Intra-articular Knee Injection in Patients With Chronic Inflammatory Arthritis: A 24-Week Randomized Controlled Trial. *Clin Ther* 2017;39:150–8.
- 27 Kivitz A, Kwong L, Shlotzhauer T, *et al.* A randomized, phase IIa study to assess the systemic exposure of triamcinolone acetonide following injection of extended-release triamcinolone acetonide or traditional triamcinolone acetonide into both knees of patients with bilateral knee osteoarthritis. *Ther Adv Musculoskelet Dis* 2019;11.
- 28 Kraus VB, Conaghan PG, Aazami HA, *et al.* Synovial and systemic pharmacokinetics (PK) of triamcinolone acetonide (TA) following intra-articular (IA) injection of an extended-release microsphere-based formulation (FX006) or standard crystalline suspension in patients with knee osteoarthritis (OA). *Osteoarthritis Cartilage* 2018;26:34–42.
- 29 Conaghan PG, Cohen SB, Berenbaum F, *et al.* Brief Report: A Phase IIb Trial of a Novel Extended-Release Microsphere Formulation of Triamcinolone Acetonide for Intraarticular Injection in Knee Osteoarthritis. *Arthritis Rheumatol* 2018;70:204–11.
- 30 Conaghan PG, Hunter DJ, Cohen SB, *et al.* Effects of a Single Intra-Articular Injection of a Microsphere Formulation of Triamcinolone Acetonide on Knee Osteoarthritis Pain: A Double-Blinded, Randomized, Placebo-Controlled, Multinational Study. *J Bone Joint Surg Am* 2018;100:666–77.
- 31 Russell SJ, Sala R, Conaghan PG, *et al.* Triamcinolone acetonide extended-release in patients with osteoarthritis and type 2 diabetes: a randomized, phase 2 study. *Rheumatology (Oxford)* 2018;57:2235–41.
- 32 Hanson P, Kivitz A, Mehra P, *et al.* Safety and Systemic Exposure of Triamcinolone Acetonide Following Ultrasound-Guided Intra-Articular Injection of Triamcinolone Extended-Release or Standard Triamcinolone Acetonide in Patients with Shoulder Osteoarthritis: An Open-Label, Randomized Study. *Drugs R D* 2021;21:285–93.
- 33 Bodick N, Lufkin J, Willwerth C, *et al.* An intra-articular, extended-release formulation of triamcinolone acetonide prolongs and amplifies analgesic effect in patients with osteoarthritis of the knee: a randomized clinical trial. *J Bone Joint Surg Am* 2015;97:877–88.
- 34 Blankstein M, Lentine B, Nelms NJ. Common Practices in Intra-Articular Corticosteroid Injection for the Treatment of Knee Osteoarthritis: A Survey of the American Association of Hip and Knee Surgeons Membership. *J Arthroplasty* 2021;36:845–50.
- 35 Mitchell WG, Kettwich SC, Sibbitt WL Jr, *et al.* Outcomes and cost-effectiveness of ultrasound-guided injection of the trochanteric bursa. *Rheumatol Int* 2018;38:393–401.
- 36 Rutten MJCM, Maresch BJ, Jager GJ, *et al.* Injection of the subacromial-subdeltoid bursa: blind or ultrasound-guided? *Acta Orthop* 2007;78:254–7.
- 37 Amber KT, Landy DC, Amber I, *et al.* Comparing the accuracy of ultrasound versus fluoroscopy in glenohumeral injections: a systematic review and meta-analysis. *J Clin Ultrasound* 2014;42:411–6.
- 38 Bae JH, Park YS, Chang HJ, *et al.* Randomized controlled trial for efficacy of capsular distension for adhesive capsulitis: fluoroscopy-guided anterior versus ultrasonography-guided posterolateral approach. *Ann Rehabil Med* 2014;38:360–8.
- 39 Ng AWH, Hung EHY, Griffith JF, *et al.* Comparison of ultrasound versus fluoroscopic guided rotator cuff interval approach for MR arthrography. *Clin Imaging* 2013;37:548–53.
- 40 Petscavage-Thomas J, Gustas C. Comparison of Ultrasound-Guided to Fluoroscopy-Guided Biceps Tendon Sheath Therapeutic Injection. *J Ultrasound Med* 2016;35:2217–21.
- 41 Gutierrez M, Di Matteo A, Roseff M, *et al.* Short-term efficacy to conventional blind injection versus ultrasound-guided injection of local corticosteroids in tenosynovitis in patients with inflammatory chronic arthritis: A randomized comparative study. *Joint Bone Spine* 2016;83:161–6.
- 42 Cunningham J, Marshall N, Hide G, *et al.* A randomized, double-blind, controlled study of ultrasound-guided corticosteroid injection into the joint of patients with inflammatory arthritis. *Arthritis Rheum* 2010;62:1862–9.
- 43 Gilliland CA, Salazar LD, Borchers JR. Ultrasound versus anatomic guidance for intra-articular and periarticular injection: a systematic review. *Phys Sportsmed* 2011;39:121–31.
- 44 Daniels EW, Cole D, Jacobs B, *et al.* Existing Evidence on Ultrasound-Guided Injections in Sports Medicine. *Orthop J Sports Med* 2018;6:2325967118756576.
- 45 Burbank KM, Stevenson JH, Czarnecki GR, *et al.* Chronic shoulder pain: part I. Evaluation and diagnosis. *Am Fam Physician* 2008;77:453–60.
- 46 Strobel K, Pfirrmann CWA, Zanetti M, *et al.* MRI features of the acromioclavicular joint that predict pain relief from intraarticular injection. *AJR Am J Roentgenol* 2003;181:755–60.
- 47 Rajagopalan D, Abdelaziz A, Ring D, *et al.* MRI findings of acromioclavicular joint osteoarthritis are the norm after age 40. *Orthop Traumatol Surg Res* 2023;109:103526.
- 48 Burbank KM, Stevenson JH, Czarnecki GR, *et al.* Chronic shoulder pain: part II. Treatment. *Am Fam Physician* 2008;77:493–7.
- 49 Al-Mohrej OA, Prada C, Leroux T, *et al.* Pharmacological Treatment in the Management of Glenohumeral Osteoarthritis. *Drugs Aging* 2022;39:119–28.
- 50 Luime JJ, Koes BW, Hendriksen IJ, *et al.* Prevalence and incidence of shoulder pain in the general population; a systematic review. *Scand J Rheumatol* 2004;33:73–81.
- 51 Gialanella B, Prometti P. Effects of corticosteroids injection in rotator cuff tears. *Pain Med* 2011;12:1559–65.
- 52 Challoumas D, Biddle M, McLean M, *et al.* Comparison of Treatments for Frozen Shoulder: A Systematic Review and Meta-analysis. *JAMA Netw Open* 2020;3:e2029581.
- 53 Stokes DJ, McCarthy TP, Frank RM. Physical Therapy for the Treatment of Shoulder Instability. *Phys Med Rehabil Clin N Am* 2023;34:393–408.
- 54 Scanaliato JP, Green CK, Sandler AB, *et al.* Establishing the Minimal Clinically Important Difference, Substantial Clinical Benefit, and Patient Acceptable Symptomatic State After Arthroscopic Posterior Labral Repair for Posterior Glenohumeral Instability. *Am J Sports Med* 2024;52:207–14.
- 55 Churgay CA. Diagnosis and treatment of biceps tendinitis and tendinosis. *Am Fam Physician* 2009;80:470–6.
- 56 Cardoso A, Amaro P, Barbosa L, *et al.* Diagnostic accuracy of clinical tests directed to the long head of biceps tendon in a surgical population: a combination of old and new tests. *J Shoulder Elbow Surg* 2019;28:2272–8.
- 57 Osias W, Matcuk GR Jr, Skalski MR, *et al.* Scapulothoracic pathology: review of anatomy, pathophysiology, imaging findings, and an approach to management. *Skeletal Radiol* 2018;47:161–71.
- 58 Manske RC, Reiman MP, Stovak ML. Nonoperative and operative management of snapping scapula. *Am J Sports Med* 2004;32:1554–65.
- 59 Conduah AH, Baker CL III, Baker CL Jr. Clinical Management of Scapulothoracic Bursitis and the Snapping Scapula. *Sports Health: A Multidisciplinary Approach* 2010;2:147–55.
- 60 Chang WH, Im SH, Ryu JA, *et al.* The effects of scapulothoracic bursa injections in patients with scapular pain: a pilot study. *Arch Phys Med Rehabil* 2009;90:279–84.
- 61 Chang WH, Kim YW, Choi S, *et al.* Comparison of the therapeutic effects of intramuscular subscapularis and scapulothoracic bursa injections in patients with scapular pain: a randomized controlled trial. *Rheumatol Int* 2014;34:1203–9.
- 62 Sharareh B, Hsu JE, Matsen FA, *et al.* Which Components of the Simple Shoulder Test Show Improvement After Scapulothoracic Fusion for Recalcitrant Scapular Winging? Clinical Results at a Minimum of 5 Years of Follow-up. *Clin Orthop Relat Res* 2023;481:2392–402.
- 63 Moskowitz RW, Blaine TA. An overview of treatment options for persistent shoulder pain. *Am J Orthop (Belle Mead NJ)* 2005;34:10–5.
- 64 Yamamoto N, Szymiski D, Voss A, *et al.* Non-operative management of shoulder osteoarthritis: Current concepts. *J ISAKOS* 2023;8:289–95.
- 65 Shang X, Zhang Z, Pan X, *et al.* Intra-Articular versus Subacromial Corticosteroid Injection for the Treatment of Adhesive Capsulitis: A Meta-Analysis and Systematic Review. *Biomed Res Int* 2019;29:1274790.
- 66 Chen R, Jiang C, Huang G. Comparison of intra-articular and subacromial corticosteroid injection in frozen shoulder: A meta-analysis of randomized controlled trials. *Int J Surg* 2019;68:92–103.
- 67 Prestgaard T, Wormgoor MEA, Haugen S, *et al.* Ultrasound-guided intra-articular and rotator interval corticosteroid injections in adhesive capsulitis of the shoulder: a double-blind, sham-controlled randomized study. *Pain* 2015;156:1683–91.
- 68 Rah UW, Yoon S-H, Moon DJ, *et al.* Subacromial corticosteroid injection on poststroke hemiplegic shoulder pain: a randomized, triple-blind, placebo-controlled trial. *Arch Phys Med Rehabil* 2012;93:949–56.
- 69 Park KD, Kim TK, Lee J, *et al.* Palpation Versus Ultrasound-Guided Acromioclavicular Joint Intra-articular Corticosteroid Injections: A Retrospective Comparative Clinical Study. *Pain Physician* 2015;18:333–41.
- 70 Zadro J, Rischin A, Johnston RV, *et al.* Image-guided glucocorticoid injection versus injection without image guidance for shoulder pain. *Cochrane Database Syst Rev* 2021;8:CD009147.
- 71 Cho CH, Min BW, Bae KC, *et al.* A prospective double-blind randomized trial on ultrasound-guided versus blind intra-articular corticosteroid injections for primary frozen shoulder. *Bone Joint J* 2021;103-B:353–9.
- 72 Sethi PM, Kingston S, Elattrache N. Accuracy of anterior intra-articular injection of the glenohumeral joint. *Arthroscopy* 2005;21:77–80.
- 73 Ganokroj P, Matrakool L, Limsuwan P, *et al.* A Prospective Randomized Study Comparing the Effectiveness of Midlateral and Posterior Subacromial Steroid Injections. *Orthopedics* 2019;42:e44–50.