**References**

|  |
| --- |
| 1.Duplay S. De la peri-arthrite scapula-humerale et des raideurs de l'epaule qui ensont la consequence. Arch Gen Med 1872; 20: 513 |
|  |
| 2. Codman RA. The Shoulder. Boston, MA: Thomas Todd co; 1934: 216-224 |  |
|  |
| 3. Neviaser RJ, Neviaser TJ. The frozen shoulder: diagnosis and management. Clin Orthop Relat Res 1984; 223: 59-64 |  |
|  |
| 4. Van der Windt, D. A., Koes, B. W., de Jong, B. A. & Bouter, L. M. Shoulder disorders in general practice: incidence, patient characteristics, and management. Ann. Rheum. Dis 1995; 54, 959–64. [PMID 8546527 DOI <http://dx.doi.org/10.1136/ard.54.12.959>] |  |
|  |
| 5. Shah, N. & Lewis, M. Shoulder adhesive capsulitis: systematic review of randomised trials using multiple corticosteroid injections. Br. J. Gen. Pract 2007; 57, 662–7. [PMID 17688763] |  |
|  |
| 6. Griggs, S. M., Ahn, A. & Green, A. Idiopathic adhesive capsulitis. A prospective functional outcome study of nonoperative treatment. J. Bone Joint Surg. Am 2000; 82-A, 1398–407. [PMID 11057467] |  |
|  |  |
|  |
| 7. Dehghan, A. et al. Comparison between NSAID and intra-articular corticosteroid injection in frozen shoulder of diabetic patients; a randomized clinical trial. Exp. Clin. Endocrinol. Diabetes 2013; 121, 75–9. [PMID 23426700 DOI <http://dx.doi.org/10.1055/s-0032-1333278>]  |  |
|  |
| 8. Wang, K. Ho, V., Hunter-Smith D.J., Smith K.M., Weber A.B. Risk factors in idiopathic adhesive capsulitis: a case control study. J. Shoulder Elbow Surg 2013; 22, e24–9 [PMID 23352186 DOI <http://dx.doi.org/10.1016/j.jse.2012.10.049>]  |  |
|  |
| 9. Diercks, R. L. & Stevens, M. Gentle thawing of the frozen shoulder: a prospective study of supervised neglect versus intensive physical therapy in seventy-seven patients with frozen shoulder syndrome followed up for two years. J. Shoulder Elbow Surg 2004; 13, 499–502. [PMID 15383804 DOI <http://dx.doi.org/10.1016/j.jse.2004.03.002>]  |  |
|  |
|  |
| 10. Cameron, R. I., McMillan, J. & Kelly, I. G. Recurrence of a "primary frozen shoulder": a case report. J. Shoulder Elbow Sur 2000; 9, 65–7. [PMID 10717864 DOI [http://dx.doi.org/10.1016/S1058-2746(00)90011-9](http://dx.doi.org/10.1016/S1058-2746%2800%2990011-9)] |  |
|  |
| 11. Zuckerman, J. D. & Rokito, A. Frozen shoulder: a consensus definition. J. Shoulder Elbow Surg 2011; 20, 322–5. [PMID 21051244 DOI <http://dx.doi.org/10.1016/j.jse.2010.07.008>]  |  |
|  |
|  |
| 12. Grant, J. A., Schroeder, N., Miller, B. S. & Carpenter, J. E. Comparison of manipulation and arthroscopic capsular release for adhesive capsulitis: a systematic review. J. Shoulder Elbow Surg 2013; 22, 1135–45. [PMID 23510748 DOI <http://dx.doi.org/10.1016/j.jse.2013.01.010>]  |  |
|  |
| 13. Brue, S. Valentin A., Forssblad M., Werner S., Mikkelsen C., Ceruli G. Idiopathic adhesive capsulitis of the shoulder: a review. Knee Surg. Sports Traumatol. Arthrosc 2007; 15, 1048–54. [PMID 17333122 DOI <http://dx.doi.org/10.1007/s00167-007-0291-2>]  |  |
|  |
| 14. Robinson, C. M., Seah, K. T. M., Chee, Y. H., Hindle, P. & Murray, I. R. Frozen shoulder. J. Bone Joint Surg. Br 2012; 94, 1–9 [PMID 22219239 DOI <http://dx.doi.org/10.1302/0301-620X.94B1.27093>]  |  |
|  |
| 15. Reeves, B. The natural history of the frozen shoulder syndrome. Scand. J. Rheumatol 1975; 4, 193–6. [PMID 1198072 DOI <http://dx.doi.org/10.3109/03009747509165255>] 16. Schultheis, A., Reichwein, F., Nebelung W. Frozen Shoulder. Diagnosis and therapy. *Orthopade* 2008; 37, 1065-68 [PMID 18825364 DOI http://dx.doi.org 10.1007/s00132-008-1305-6] |  |
|  |
| 17. Harris, G., Bou-Haidar, P. & Harris, C. Adhesive capsulitis: review of imaging and treatment. J. Med. Imaging Radiat. Oncol 2013; 57, 633–43 [PMID 24283550 DOI <http://dx.doi.org/10.1111/1754-9485.12111>] 18. White, D., Choi, H., Peloquin, C., Zhu, Y. & Zhang, Y. Secular trend of adhesive capsulitis. Arthritis Care Res 2011; 63, 1571–5. [PMID 22034118 DOI <http://dx.doi.org/10.1002/acr.20590>] |  |
|  |
| 19. Lundberg, B. J. The frozen shoulder. Clinical and radiographical observations. The effect of manipulation under general anesthesia. Structure and glycosaminoglycan content of the joint capsule. Local bone metabolism. Acta Orthop. Scand. Suppl 1969; 119, 1–59. [PMID 4952729 DOI <http://dx.doi.org/10.3109/ort.1969.40.suppl-119.01>]  |  |
|  |
| 20. Ozaki, J. Pathomechanics and operative management of chronic frozen shoulder. Ann. Chir. Gynaecol 1996; 85, 156–8. [PMID 8817053]  |  |
|  |
| 21. Bunker, T. D. & Anthony, P. P. The pathology of frozen shoulder. A Dupuytren-like disease. J. Bone Joint Surg. Br 1995; 77, 677–83. [PMID 7559688]  |  |
|  |
| 22. Rodeo, S. A., Hannafin, J. A., Tom, J., Warren, R. F. & Wickiewicz, T. L. Immunolocalization of cytokines and their receptors in adhesive capsulitis of the shoulder. J. Orthop. Res 1997; 15, 427–36. [PMID 9246090 DOI <http://dx.doi.org/10.1002/jor.1100150316>] 23. Lubis, A.M., Lubis. V., K. Matrix metalloproteinase, tissue inhibitor of metalloproteinase and transforming growth factor-beta 1 in frozen shoulder, and their changes as response to intensive stretching and supervised neglect exercise. *J Orthop Sci* 2013; 18, 519-27 [PMID 23604641 DOI http://dx.doi.org 10.1007/s00776-013-0387-0] |  |
|  |
| 24. Smith, S. P., Devaraj, V. S. & Bunker, T. D. The association between frozen shoulder and Dupuytren's disease. J. Shoulder Elbow Surg 2001; 10, 149–51. [PMID 11307078 DOI<http://dx.doi.org/10.1067/mse.2001.112883>] 25. [Lho, Y.M](http://www.ncbi.nlm.nih.gov/pubmed/?term=Lho%20YM%5BAuthor%5D&cauthor=true&cauthor_uid=22999851)., [Ha, E](http://www.ncbi.nlm.nih.gov/pubmed/?term=Ha%20E%5BAuthor%5D&cauthor=true&cauthor_uid=22999851)., [Cho, C.H](http://www.ncbi.nlm.nih.gov/pubmed/?term=Cho%20CH%5BAuthor%5D&cauthor=true&cauthor_uid=22999851)., [Song, K.S](http://www.ncbi.nlm.nih.gov/pubmed/?term=Song%20KS%5BAuthor%5D&cauthor=true&cauthor_uid=22999851)., [Min, B.W](http://www.ncbi.nlm.nih.gov/pubmed/?term=Min%20BW%5BAuthor%5D&cauthor=true&cauthor_uid=22999851)., [Bae, K.C](http://www.ncbi.nlm.nih.gov/pubmed/?term=Bae%20KC%5BAuthor%5D&cauthor=true&cauthor_uid=22999851)., [Lee, K.J](http://www.ncbi.nlm.nih.gov/pubmed/?term=Lee%20KJ%5BAuthor%5D&cauthor=true&cauthor_uid=22999851)., [Hwang, I](http://www.ncbi.nlm.nih.gov/pubmed/?term=Hwang%20I%5BAuthor%5D&cauthor=true&cauthor_uid=22999851)., [Park, H.B](http://www.ncbi.nlm.nih.gov/pubmed/?term=Park%20HB%5BAuthor%5D&cauthor=true&cauthor_uid=22999851).Inflammatory cytokines are overexpressed in the subacromial bursa of frozen shoulder. *J Shoulder Elbow Surg* 2013; 22, 666-72. [PMID 22999851 DOI <http://dx.doi.org/10.1016/j.jse.2012.06.014>]26. [Schydlowsky, P](http://www.ncbi.nlm.nih.gov/pubmed/?term=Schydlowsky%20P%5BAuthor%5D&cauthor=true&cauthor_uid=22562389)., [Szkudlarek, M](http://www.ncbi.nlm.nih.gov/pubmed/?term=Szkudlarek%20M%5BAuthor%5D&cauthor=true&cauthor_uid=22562389)., [Madsen, O.R](http://www.ncbi.nlm.nih.gov/pubmed/?term=Madsen%20OR%5BAuthor%5D&cauthor=true&cauthor_uid=22562389). Treatment of frozen shoulder with subcutaneous TNF-alpha blockade compared with local glucocorticoid injection: a randomised pilot study. *Clin Rheumatol* 2012;38, 1247-51 [PMID 22562389 DOI <http://dx.doi.org/10.1007/s10067-012-1993-5>] |  |
|  |
| 27. Doner, G., Guven, Z., Atalay, A. & Celiker, R. Evalution of Mulligan's technique for adhesive capsulitis of the shoulder. J. Rehabil. Med 2013; 45, 87–91. [PMID 23037929 DOI <http://dx.doi.org/10.2340/16501977-1064>] |  |
| 28. Russell, S., Jariwala A., Conlon R., Selfe J., Richards J., Walton M. A blinded, randomized, controlled trial assessing conservative management strategies for frozen shoulder. J. Shoulder Elbow Surg 2014; 23, 500–7. [PMID 24630545 DOI<http://dx.doi.org/10.1016/j.jse.2013.12.026>]  |  |
|  |
| 29. Carette, S., Moffet H., Bessette L., Morin F., Frémont P., Bykerk V., Thorne C., Bell M., Bensen W., Blanchette C. Intraarticular corticosteroids, supervised physiotherapy, or a combination of the two in the treatment of adhesive capsulitis of the shoulder: a placebo-controlled trial. Arthritis Rheum 2003; 48, 829–38. [PMID 12632439 DOI <http://dx.doi.org/10.1002/art.10954>] |  |
| 30. Ryans, I., Montgomery, A., Galway, R., Kernohan, W. G. & McKane, R. A randomized controlled trial of intra-articular triamcinolone and/or physiotherapy in shoulder capsulitis. Rheumatology 2005; 44, 529–35. [PMID 15657070 DOI <http://dx.doi.org/10.1093/rheumatology/keh535>]  |  |
|  |
| 31. Kivimäki, J. Pohjolainen T., Malmivaara A., Kannisto M., Guillauma J., Seitsale S., Nissinen M. Manipulation under anesthesia with home exercises versus home exercises alone in the treatment of frozen shoulder: a randomized, controlled trial with 125 patients. J. Shoulder Elbow Surg 2007; 16, 722–6 [PMID 17931902 DOI <http://dx.doi.org/10.1016/j.jse.2007.02.125>]  |  |
|  |
| 32. Beimers L. Murell G.A.C. Arthroscopic capsular release for idiopathic adhesive capsulitis. JBJS am 2013; 94, 1208–16. [DOI <http://dx.doi.org/10.2106/JBJS.ST.L.00024>] |  |
|  |
| 33. Buchbinder, R., Green, S., Youd, J. M., Johnston, R. V & Cumpston, M. Arthrographic distension for adhesive capsulitis (frozen shoulder). Cochrane database Syst. Rev 2008; CD007005. [PMID 18254123 DOI http://dx.doi.org/10.1002/14651858]  |  |
|  |
| 34. Ibrahim, M., Donatelli, R., Hellman, M. & Echternach, J. Efficacy of a static progressive stretch device as an adjunct to physical therapy in treating adhesive capsulitis of the shoulder: a prospective, randomised study. Physiotherapy 2013; [PMID 24211154 DOI http://dx.doi.org/10.1016/j.physio.2013.08.006] |  |
|  |
| 35. Maund, E. Graig D., Suekarran S., Neilson A., Wright K., Brealey S., Dennis L., Goodchild L., Hanchard N., Rangan A., Richardson G., Robertson J., McDaid C. Management of frozen shoulder: a systematic review and cost-effectiveness analysis. Health Technol. Assess 2012; 16, 1–264. [PMID 22405512 DOI <http://dx.doi.org/10.3310/hta16110>] |  |
|  |
| 36. Rookmoneea, M. Dennis L, Brealey S., Rangan A., White B., McDaid C., Harden M. The effectiveness of interventions in the management of patients with primary frozen shoulder. J. Bone Joint Surg. Br 2010; 92, 1267–72. [PMID 20798446 DOI<http://dx.doi.org/10.1302/0301-620X.92B9.24282>] |  |
|  |
| 37. Van der Windt, D. A. Koes B.W., Devillé W., Boeke A.J., de Jong B.A., Bouter L.M. Effectiveness of corticosteroid injections versus physiotherapy for treatment of painful stiff shoulder in primary care: randomised trial. BMJ 1998; 317, 1292–6. [PMID 9804720 DOI <http://dx.doi.org/10.1136/bmj.317.7168.1292>] |  |
|  |
| 38. Neviaser, A. S. & Hannafin, J. A. Adhesive capsulitis: a review of current treatment. Am. J. Sports Med 2010; 38, 2346–56. [PMID 20110457 DOI <http://dx.doi.org/10.1177/0363546509348048>] |  |
|  |
| 39. Song, A., Higgins, L. D., Newman, J. & Jain, N. B. Glenohumeral corticosteroid injections in adhesive capsulitis: a systematic search and review. PM R 2014. [PMID 24998406 DOI <http://dx.doi.org/10.1016/j.pmrj.2014.06.015>] |  |
|  |
| 40. Shin, S.-J. & Lee, S.-Y. Efficacies of corticosteroid injection at different sites of the shoulder for the treatment of adhesive capsulitis. J. Shoulder Elbow Surg 2013; 22, 521–7 [PMID 22999847 DOI <http://dx.doi.org/10.1016/j.jse.2012.06.015>]  |  |
|  |
| 41. Blanchard, V., Barr, S. & Cerisola, F. L. The effectiveness of corticosteroid injections compared with physiotherapeutic interventions for adhesive capsulitis: a systematic review. Physiotherapy 2010; 96, 95–107. [PMID 20420956 DOI <http://dx.doi.org/10.1016/j.physio.2009.09.003>] |  |
|  |
| 42. Hanchard, N. C. A. Goodchild L., Thompson J., O’Brien T, Davison D., Richardson C. A questionnaire survey of UK physiotherapists on the diagnosis and management of contracted (frozen) shoulder. Physiotherapy 2011; 97, 115–25. [PMID 22507361 DOI <http://dx.doi.org/10.1016/j.physio.2010.08.012>] |  |
|  |
| 43. Kelley, M. J. Shaffer M.A., Kuhn J.E., Michener L.A., Seitz A.L., Uhl T.L. Godges J.J., McClure P.W. Shoulder pain and mobility deficits: adhesive capsulitis. J. Orthop. Sports Phys. Ther 2013; 43, A1–31. [PMID 23636125 DOI <http://dx.doi.org/10.2519/jospt.2013.0302>]44. [Vezeridis, P.S](http://www.ncbi.nlm.nih.gov/pubmed/?term=Vezeridis%20PS%5BAuthor%5D&cauthor=true&cauthor_uid=20711052)., [Goel, D.P](http://www.ncbi.nlm.nih.gov/pubmed/?term=Goel%20DP%5BAuthor%5D&cauthor=true&cauthor_uid=20711052)., [Shah, A.A](http://www.ncbi.nlm.nih.gov/pubmed/?term=Shah%20AA%5BAuthor%5D&cauthor=true&cauthor_uid=20711052)., [Sung, S.Y](http://www.ncbi.nlm.nih.gov/pubmed/?term=Sung%20SY%5BAuthor%5D&cauthor=true&cauthor_uid=20711052)., [Warner, J.J](http://www.ncbi.nlm.nih.gov/pubmed/?term=Warner%20JJ%5BAuthor%5D&cauthor=true&cauthor_uid=20711052). Postarthroscopic arthrofibrosis of the shoulder. *Sports Med Arthrosc* 2010; 18, 198-206. [PMID 20711052 DOI http://dx.doi.org/doi: 10.1097/JSA.0b013e3181ec84a5]45. Jerosch, J., Nasef, N. M., Peters, O. & Mansour, A. M. R. Mid-term results following arthroscopic capsular release in patients with primary and secondary adhesive shoulder capsulitis. Knee Surg. Sports Traumatol. Arthrosc. 2013; 21, 1195–202. [PMID 22763569 DOI <http://dx.doi.org/10.1007/s00167-012-2124-1>] |  |
|  |
| 46. Ogilvie-Harris, D. J., Biggs, D. J., Fitsialos, D. P. & MacKay, M. The resistant frozen shoulder. Manipulation versus arthroscopic release. Clin. Orthop. Relat. Res. 1995; 238–48. [PMID 7554636]  |  |
|  |
| 47. Thomas, W. J. C. Jenkins E.F., Owen J.M., Sangster M.J., Kirubanandan R., Beynon C., Woods. D. A. Treatment of frozen shoulder by manipulation under anaesthetic and injection: does the timing of treatment affect the outcome? J. Bone Joint Surg. Br. 2011; 93, 1377–81. [PMID 21969438 DOI <http://dx.doi.org/10.1302/0301-620X.93B10.27224>]  |  |
|  |
| 48. Dodenhoff, R. M., Levy, O., Wilson, A. & Copeland, S. A. Manipulation under anesthesia for primary frozen shoulder: effect on early recovery and return to activity. J. Shoulder Elbow Surg. 2000; 9, 23–6. [PMID 10717858 DOI [http://dx.doi.org/10.1016/S1058-2746(00)90005-3](http://dx.doi.org/10.1016/S1058-2746%2800%2990005-3)] |  |
|  |
| 49. Farrell, C. M., Sperling, J. W. & Cofield, R. H. Manipulation for frozen shoulder: long-term results. J. Shoulder Elbow Surg. 2005 14, 480–4. [PMID 16194738 DOI <http://dx.doi.org/10.1016/j.jse.2005.02.012>] |  |
|  |
| 50. Vastamäki, H., Vastamäki, M. Motion and pain relief remain 23 years after manipulation under anesthesia for frozen shoulder. Clin. Orthop. Relat. Res. 2013; 471, 1245–50. [PMID 22907476 DOI <http://dx.doi.org/10.1007/s11999-012-2542-x>] |  |
|  |
| 51. Tasto, J. P.,Elias, D. W. Adhesive capsulitis. Sports Med. Arthrosc. 2007; 15, 216–21. [PMID 18004221 DOI <http://dx.doi.org/10.1097/JSA.0b013e3181595c22>] |  |
|  |
| 52. Conti, V. Arthroscopy in rehabilitation. Orthop. Clin. North Am. 1979; 10, 709–11. [PMID 460843] |  |
|  |
| 53. Warner, J. J., Allen, A., Marks, P. H. & Wong, P. Arthroscopic release for chronic, refractory adhesive capsulitis of the shoulder. J. Bone Joint Surg. Am. 1996; 78, 1808–16. [PMID 8986657] |  |
|  |
| 54. Le Lievre, H. M. J. & Murrell, G. A. C. Long-term outcomes after arthroscopic capsular release for idiopathic adhesive capsulitis. J. Bone Joint Surg. Am. 2012; 94, 1208–16. [PMID 22760389 DOI <http://dx.doi.org/10.2106/JBJS.J.00952>] |  |
|  |
| 55. Smith, C. D., Hamer, P. & Bunker, T. D. Arthroscopic capsular release for idiopathic frozen shoulder with intra-articular injection and a controlled manipulation. Ann. R. Coll. Surg. Engl. 2014; 96, 55–60. [PMID 24417832 DOI <http://dx.doi.org/10.1308/003588414X13824511650452>] |  |
|  |
| 56. Pearsall, A. W., Osbahr, D. C. & Speer, K. P. An arthroscopic technique for treating patients with frozen shoulder. Arthroscopy. 1999; 15, 2–11. [PMID 10024027 DOI <http://dx.doi.org/10.1053/ar.1999.v15.0150002>] |  |
|  |
| 57. Kim, Y.-S., Lee, H.-J. & Park, I.-J. Clinical outcomes do not support arthroscopic posterior capsular release in addition to anterior release for shoulder stiffness: a randomized controlled study. Am. J. Sports Med. 2014; 42, 1143–9. [PMID 24585363 DOI <http://dx.doi.org/10.1177/0363546514523720>] |  |
|  |
| 58. Amir-Us-Saqlain, H., Zubairi, A. & Taufiq, I. Functional outcome of frozen shoulder after manipulation under anaesthesia. J. Pak. Med. Assoc. 2007; 57, 181–5. [PMID 17489525] |  |
|  |
| 59. Anil Kumar P.G., Jacob M.B., Newton J., Stewart M.P.M. Transient brachial plexus palsy following manipulation and local anaesthetic infiltration of a 'primary frozen shoulder'. CME Orthopaedics 2007;4:26-7 |  |
|  |
| 60. Loew, M., Heichel, T. O. & Lehner, B. Intraarticular lesions in primary frozen shoulder after manipulation under general anesthesia. J. Shoulder Elbow Surg. 2005; 14, 16–21. [PMID 15723009 DOI <http://dx.doi.org/10.1016/j.jse.2004.04.004>] |  |
|  |
| 61. [Jacobs, L.G](http://www.ncbi.nlm.nih.gov/pubmed/?term=Jacobs%20LG%5BAuthor%5D&cauthor=true&cauthor_uid=19393928)., [Smith, M.G](http://www.ncbi.nlm.nih.gov/pubmed/?term=Smith%20MG%5BAuthor%5D&cauthor=true&cauthor_uid=19393928)., [Khan, S.A](http://www.ncbi.nlm.nih.gov/pubmed/?term=Khan%20SA%5BAuthor%5D&cauthor=true&cauthor_uid=19393928)., [Smith, K](http://www.ncbi.nlm.nih.gov/pubmed/?term=Smith%20K%5BAuthor%5D&cauthor=true&cauthor_uid=19393928)., [Joshi, M](http://www.ncbi.nlm.nih.gov/pubmed/?term=Joshi%20M%5BAuthor%5D&cauthor=true&cauthor_uid=19393928). Manipulation or intra-articular steroids in the management of adhesive capsulitis of the shoulder? A prospective randomized trial. *J Shoulder Elbow Surg* 2009; 18, 348-53. PMID 19393928 DOI http://dx.doi.org/doi: 10.1016/j.jse.2009.02.002] |  |
|  |
| 62. Jerosch, J. & Aldawoudy, A. M. Chondrolysis of the glenohumeral joint following arthroscopic capsular release for adhesive capsulitis: a case report. Knee Surg. Sports Traumatol. Arthrosc. 2007; 15, 292–4. [PMID 16799827 DOI <http://dx.doi.org/10.1007/s00167-006-0112-z>] |  |