

# **REFERENCES**

**Adams FL.** The Genuine Works of Hippocrates. Vols 1 and 2. New York, NY: William Wood; 1886.

**Allman FL Jr** : Fractures and ligamentous injuries of the clavicle and its articulation . J Bone Joint Surg Am 1967 ; 49 : 774 -784

**Ajs.sagepub.com/content/28/4/587/F4.large.jpg.**

**Augustus D. Mazzocca, Robert A. Arciero and James Bicos.** Evaluation and Treatment of Acromioclavicular Joint Injuries *Am. J. Sports Med.* 2007; 35; 316.

**Bannister GC , Wallace WA , Stableforth PG , Huston MA** : the management of acute acromioclavicular dislocation : A randomized prospective controlled trial . J Bone joint Surg Br 1989 ; 71 : 848-850 .

**Bannister GC, Wallace WA, Stableforth PG, Hutson MA.** A classification of acute acromioclavicular dislocation: a clinical, radiological and anatomical study. *Injury* 1992;23:194-6.

**Barber FA.** Complete posterior acromioclavicular dislocation: a case report. *Orthopedics.* 1987;10:493– 496.

**Barnes CJ, Higgins LD, Major NM, Basamania CJ.** Magnetic resonance imaging of the coracoclavicular ligaments: its role in defining pathoanatomy at the acromioclavicular joint. *J Surg Orthop Adv* 2004;13:69-75..

**Baumgarten KM, Altcheck DW, Cordasco FA** (2006) Arthroscopically assisted acromioclavicular joint reconstruction. *Arthroscopy* 22:228.e1–8

**Bearden J, Hughston J, Whatley G.** Acromioclavicular dislocation: method of treatment. *Am J Sports Med.* 1973;1:5-17.

**Bergfeld JA, Andrish JT, Clancy WG.** Evaluation of the acromioclavicular joints following first- and second-degree sprains. *Am J Sports Med* 1978;6:153-9.

**Berson BL, Gilbert MS, Green S.** Acromioclavicular dislocations: treatment by transfer of the conjoined tendon and distal end of the coracoid process to the clavicle. *Clin Orthop* 1978;135:157-64.

**Bossart PJ, Joyce SM, Manaster BJ, Packer SM.** Lack of efficacy of ‘weighted’ radiographs in diagnosing acute acromioclavicular separation. *Ann Emerg Med.* 1988;17:20 –24.

**Bosworth BM.** Acromioclavicular separation: new method of repair. *Surg Gynecol Obstet* 1941;73:866-71.

**Bosworth BM.** Complete acromioclavicular dislocation. *N Engl J Med.* 1949;241:221–225

**Bradley JP , Elkousy H :** Decision making : operative versus non operative treatment of acromioclavicular joint injuries . *Clin Sports Med* 2003 ; 22: 277-290.

**Breslow MJ, Jazrawi LM, Bernstein AD, Kummer FJ, Rokito AS.** Treatment of acromioclavicular joint separation: suture or suture anchors? *J Shoulder Elbow Surg* 2002;11:225-9.

**Brunelli G, Brunelli F.** The treatment of acromio-clavicular dislocation by transfer of the short head of biceps. *Int Orthop* 1988;12:105-8.

**Cadenat F.** The treatment of dislocations and fractures of the outer end of the clavicle. *Int Clin.* 1917;1:145-169.

**Caspi I, Ezra E, Nerubay J, Horoszovski H.** Musculocutaneous nerve injury after coracoid process transfer for clavicle instability: report of three cases. *Acta Orthop Scand* 1987;58:294-5.

**Chernchujit B, Tischer T, ImhoV AB .** Arthroscopic reconstruction of the acromioclavicular joint disruption: surgical technique and preliminary results. *Arch Orthop Trauma Surg* (2006) 126:575– 581

**Chronopoulos E, Kim T, Park H, Ashenbrenner D, McFarland E.** Diagnostic value of physical tests for isolated chronic acromioclavicular lesions. *Am J Sports Med.* 2004;32:655-661

**Chunyan Jiang, , Manyi Wang, Guowei Rong.** Proximally Based Conjoined Tendon Transfer for Coracoclavicular Reconstruction in the Treatment of Acromioclavicular Dislocation *J Bone Joint Surg Am.* 2008;90:299-308.

**Clayer M, Slavotinek J, Krishnan J.** The results of coraco-clavicular slings for acromioclavicular dislocation. *Aust N Z J Surg* 1997;67:343-6.

**Codman EA.** The Shoulder. Malabar, FL: Robert E. Krieger Publishing Company Inc; 1934.

**Colosimo AJ, Hummer CD III, Heidt RS Jr.** Aseptic foreign body reaction to Dacron graft material used for coracoclavicular ligament reconstruction after type III acromioclavicular dislocation. *Am J Sports Med* 1996;24:561-3.

**Costic RS, Labriola JE, Rodosky MW, Debski RE.** Biomechanical rationale for development of anatomical reconstructions of coracoclavicular ligaments after complete acromioclavicular joint dislocations. *Am J Sports Med.* 2004;32:1929-1936.

**Cox JS :** current method of treatment of acromioclavicular joint dislocations . *orthopedics* 1992; 15 : 1041-1044.

**Debski RE, Parsons IM 4th, Woo SL, Fu FH.** Effect of capsular injury on acromioclavicular joint mechanics. *J Bone Joint Surg Am.* 2001;83: 1344-1351.

**DePalma A, Callery G, Bennett G.** Variational anatomy and degenerative lesions of the shoulder joint. *Instr Course Lect.* 1949;6:255-281.

**DePalma AF.** Degenerative Changes in the Sternoclavicular and Acromioclavicular Joints in Various Decades. Springfield, IL: Charles C Thomas; 1957.

**Deshmukh AV, Wilson DR, Zilberfarb JL, Perlmutter GS.** Stability of acromioclavicular joint reconstruction: biomechanical testing of various surgical techniques in a cadaveric model. *Am J Sports Med.* 2004;32:1492-1498.

**Dias JJ, Steingold RF, Richardson RA, Tesfayohannes B, Gregg PJ.** The conservative treatment of acromioclavicular dislocation: review after five years. *J Bone Joint Surg [Br]* 1987;69-B:719-22.

**E. Ceccarelli , R. Bondi` , F. Alviti , R. Garofalo, F. Miulli , R. Padua.** Treatment of acute grade III acromioclavicular dislocation: a lack of evidence *J Orthopaed Traumatol* (2008) 9:105–108.

**Emery R.** Acromioclavicular and sternoclavicular joints. In: Copeland S, ed. *Shoulder surgery.* London: WB Saunders, 1997.

**Eyres KS, Brooks A, Stanley D.** Fractures of the coracoid process. *J Bone Joint Surg [Br]* 1995;77-B:425-8.

**Faisal F. Adam · Osama Farouk .** Surgical treatment of chronic complete acromioclavicular dislocation. *International Orthopaedics (SICOT)* (2004) 28:119–122.

**Falstie-Jensen S, Mikkelsen P.** Pseudodislocation of the acromioclavicular joint. *J Bone Joint Surg [Br]* 1982;64-B:368-9

**Field JR, Hearn TC, Costi JJ, et al.** Ultimate tensile strength of a Leeds-Keio/autograft ACL reconstruction utilising PLLA tibial staple fixation. *Injury* 2003;34:334—42.

**Fukuda K, Czraig E, An KN, Cofield RH, Chao EY.** Biomechanical study of the Ligamentous system of the acromioclavicular joint. J Bone Joint Surg Am. 1986;68:434-440.

**Fujikawa K, Iseki F, Seedhom BB.** Arthroscopy after anterior cruciate reconstruction with the Leeds-Keio ligament. J Bone Joint Surg Br 1989;71B:566—70.

**Fullerton LR Jr.** Recurrent third degree acromioclavicular joint separation after failure of a Dacron ligament prosthesis: a case report. Am J Sports Med 1990;18:106-7.

**Galatz LM, Barrett S, Williams GR Jr .** Injuries to the acromioclavicular joint. Sports medicine and arthroscopy review( 2001) 9: 44–51.

**Galpin RD, Hawkins RJ, Grainger RW** A comparative analysis of operation versus nonoperative treatment of grade III acromio-clavicular separations. Clin Orthop (1985)193:150–155

**Gerber C, Galantay R, Hersche O.** The pattern of pain produced by irritation of the acromioclavicular joint and the subacromial space. J Shoulder Elbow Surg. 1998;7:71-77.

**Gerber C, Rockwood CA Jr.** Subcoracoid dislocation of the lateral end of the clavicle: a report of three cases. J Bone Joint Surg [Am] 1987;69-A:924-7.

**Gladstone J, Wilk K, Andrews J.** Nonoperative treatment of acromioclavicular joint injuries. Oper Tech Sports Med. 1997;5:78-87.

**Gloria M. Beim, MD .** Acromioclavicular Joint Injuries Journal of Athletic Training 2000;35(3):261–267

**Goldberg JA, Viglione W, Cumming WJ, et al.** Review of coracoclavicular ligament reconstruction using Dacron graft material. Aust N Z J Surg 1987;57:441—5.

**Gonzalez R, Damacen H, Nyland J, Caborn D.** Acromioclavicular joint reconstruction using peroneus brevis tendon allograft. Arthroscopy 2007;23:788-4.

**Grutter PW, Petersen SA.** Anatomical coracoclavicular ligament reconstruction: a biomechanical comparison of reconstructive techniques of the acromioclavicular joint. Am J Sports Med. 2005;33: 1723-1728.

**Guttmann D, Paksima NE, Zuckerman.** Complications of treatment of complete acromioclavicular joint dislocations. Instr Course Lect. 2000; 49:407–413.

**Guy DK, Wirth MA, Griffin JL, Rockwood Jr CA.** Reconstruction of chronic and complete dislocations of the acromioclavicular joint. Clin Orthop 1998;347:138—49.

**Harris R, Wallace A, Harper G, Goldberg JA, Sonnabend DH, Walsh WR.** Structural properties of the intact and the reconstructed coracoclavicular ligament complex. Am J Sports Med. 2000;28:103-108.

**Habernek H, Weinstabl R, Schmid L, Fialka C.** A crook plate for treatment of acromioclavicular joint separation: indication, technique, and results after one year. J Trauma 1993;35:893-901.

**Hedtmann A, Fett H, Ludwig J .** Management of old neglected posttraumatic acromioclavicular joint instability and arthrosis. Orthopade ( 1998) 27:556–566.

**Henry Gray.** Anatomy of the Human Body Twentieth edition longmans ( 2000) (1825–1861)

**Hernegger GS, Kadletz R.** Tight Rope V. The revolutionary anatomical fixation in acromioclavicular joint dislocation VA case report. Tech Shoulder Elbow Surg ( 2006) 7:86– 88.

***[Http://eorif.com/Shoulderarm/XrayShoulder.html](http://eorif.com/Shoulderarm/XrayShoulder.html)***

**Imatani RJ, Hanlon JJ, Cady GW .** Acute complete acromioclavicular separation. J Bone Joint Surg Am (1975) 57:328–332

**In-Ho Jeon , Girish Dewnany , Richard Hartley , Lars Neumann , W. Angus Wallace .** Chronic acromioclavicular separation: The medium term results of Coracoclavicular ligament reconstruction using braided polyester prosthetic ligament. Injury, Int. J. Care Injured 2007; 38, 1247—1253.

**Jari R, Costic RS, Rodosky MW, Debski RE.** Biomechanical function of surgical procedures for acromioclavicular joint dislocations. Arthroscopy. 2004;20:237-245.

**J. A. Fraser-Moodie, N. L. Shortt, C. M. Robinson.** Injuries to the acromioclavicular joint J Bone Joint Surg [Br] 2008;90-B:697-707.

**Jiang C, Wang M, Rong C.** Proximally based conjoint tendon transfer for coracoclavicular reconstruction in the treatment of acromioclavicular dislocation. J Bone Joint Surg [Am] 2007;89-A:2408-12.

**Jones H, Lemos M, Schepsis A.** Salvage of failed acromioclavicular joint reconstruction using autogenous semitendinosus tendon from the knee. *Am J Sports Med.* 2001;29:234-237.

**Kaplan LD , Flanigan DC , Norwig J , Jost P, Bradely J :**prevalence and variance of shoulder injuries in elite collegiate football players . *Am J sports Med* 2005 ;33:11-421146.

**Kappakas GS, McMaster JH.** Repair of acromioclavicular separation using a dacron prosthesis graft. *Clin Orthop* 1978;131:247—51.

**Kennedy J.** Complete dislocation of the acromioclavicular joint: 14 years later. *J Trauma.* 1968;8:311-318.

**Klimkiewicz J, Williams G, Sher J, Karduna A, Des Jardins J, Iannotti JP.** The acromioclavicular capsule as a restraint to posterior translation of the clavicle: a biomechanical analysis. *J Shoulder Elbow Surg.* 1999;8:119-124.

**Kocher MS, Feagin JA Jr.** Shoulder injuries during alpine skiing. *Am J Sports Med* 1996;24:665-9.

**Krueger-Franke M, Siebert CH, Rosemeyer B.** Surgical treatment of dislocations of the acromioclavicular joint in the athlete. *Br J Sports Med* 1993;27:121-4.

**Kwon YW, Iannotti JP.** Operative treatment of acromioclavicular joint injuries and results. *Clin Sports Med.* 2003;22:291-300.

**Lafosse L, Baier GP, Leuzinger J** (2005) Arthroscopic treatment of acute and chronic acromioclavicular joint dislocation. *Arthroscopy* 21:1017.e1–8

**Lancaster S, Horowitz M, Alonso J.** Complete acromioclavicular separations: a comparison of operative methods. *Clin Orthop* 1987;216:80-8.

**LaPrade R, Hilger B.** Coracoclavicular ligament reconstruction using a semitendinosus graft for failed acromioclavicular separation surgery. *Arthroscopy.* 2005;21:1277.

**76)Larsen E , Bjerg – Nielsen A , Christensen P :** conservative or surgical treatment of acromioclavicular dislocation : A prospective , controlled , randomized study . *J Bone Surg Am* 1986 ; 68 : 552 -555.

**Larsen E, Hede A.** Treatment of acute acromioclavicular dislocation: three different methods of treatment prospectively studied. *Acta Orthop Belg.* 1987;53:480-484.

**Lazcano MA, Anzel SH, Kelly PJ** . Complete dislocation and subluxation of the acromioclavicular joint. *J Bone Joint Surg [Am]* ( 1961) 43:379–391.

**Lee K, Debski R, Chen C, Woo SL, Fu FH.** Functional evaluation of the ligaments at the acromioclavicular joint during anteroposterior and superoinferior translation. *Am J Sports Med.* 1997;25:858-862.

**Lee SJ, Nicholas SJ, Akizuki KH, McHugh MP, Kremenich IJ, Ben-Avi S.** Reconstruction of the coracoclavicular ligaments with tendon grafts: a comparative biomechanical study. *Am J Sports Med.* 2003; 31:648-655.

**Lemos MJ, Tolo ET.** Complications of the treatment of the acromioclavicular and sternoclavicular joint injuries, including instability. *Clin Sports Med* 2003;22:371-85.

**Lemos MJ :** The evaluation and treatment of the injured acromioclavicular joint in athletes .*Am J Sports Med* 1998 ; 26 : 137 -144.

**Lindsey RW, Gutowski WT.** The migration of a broken pin following fixation of the acromioclavicular joint: a case report and review of the literature. *Orthopedics* 1986;9:413-16.

**Lizaur A, Marco L, Cebrian R.** Acute dislocation of the acromioclavicular joint: traumatic anatomy and the importance of deltoid and trapezius. *J Bone Joint Surg [Br]* 1994;76- B:602-6.

**Ludewig PM, Behrens SA, Meyer SM, Spoden SM, Wilson LA.** Three dimensional clavicular motion during arm elevation: reliability and descriptive data. *J Orthop Sports Phys Ther* 2004;34:140-9

**Macnicol MF, Penny ID, Sheppard L.** Early results of the Leeds- Keio anterior cruciate ligament replacement. *J Bone Joint Surg Br* 1991;73B:377—80.

**Malcapi C, Grassi G, Oretti D.** Posterior dislocation of the acromio-clavicular joint: a rare or an easily overlooked lesion? *Ital J Orthop Traumatol* 1978;4:79-83.

**Markus Scheibel ,Adeleke Ifesanya, Stephan Pauly ,Norbert P. Haas.** Arthroscopically assisted coracoclavicular ligament reconstruction for chronic acromioclavicular joint instability. *Arch Orthop Trauma Surg* (2008) 128:1327–1333.

**Mazzocca A, Santangelo S, Johnson S, Rios C, Dumonski M, Arciero R.** A biomechanical evaluation of an anatomical coracoclavicular ligament reconstruction. *Am J Sports Med.* 2006;34:236-246.

**McClure PW, Michener LA, Sennett BJ, Karduna AR.** Direct 3-dimensional measurement of scapular kinematics during dynamic movements in vivo. *J Shoulder Elbow Surg.* 2001;10:269-277.

**McConnell AJ, Yo DJ, Zdero R, Schemitsch EH, McKee MD.** Methods of operative fixation of the acromio-clavicular joint: a biomechanical comparison. *J Orthop Trauma* 2007;21:248-53.

**McFarland EG, Blivin SJ, Doehring CB, Curl LA, Silberstein C.** Treatment of grade III acromioclavicular separations in professional throwing athletes: results of a survey. *Am J Orthop.* 1997;16:771-774.

**McPhee IB.** Inferior dislocation of the outer end of the clavicle. *J Trauma.* 1980;20:709–710.

**Moneim MS, Balduini FC** (1982) Coracoid fracture as a complication of surgical treatment by coracoclavicular tape fixation. A case report. *Clin Orthop* 168:133–135

**Morrison DS, Lemos MJ.** Acromioclavicular separation: reconstruction using synthetic Loop augmentation. *Am J Sports Med* 1995;23:105-10.

**Motamedi AR, Blevins FT, Willis MC, McNally TP, Shahinpoor M.** Biomechanics of the coracoclavicular ligament complex and augmentations used in its repair and reconstruction. *Am J Sports Med.* 2000;28:380-384.

**Mouhsine E, Garofalo R, Crevoisier X, Farron A.** Grade I and II acromioclavicular dislocations: results of conservative treatment. *J Shoulder Elbow Surg.* 2003;12:599-602.

**Nadarajah R, Mahaluxmivala J, Amin A, Goodier DW.** Clavicular hook-plate: complications of retaining the implant. *Injury* 2005;36:681-3.

**Neer CS.** Injuries to the acromioclavicular joint. In: Rockwood CA Jr, Green DP, eds. *Fractures in Adults.* Vol 1. 2nd ed. Philadelphia, PA: JB Lippincott; 1984:895.

**Nicholas SJ, Lee SJ, Mullaney MJ, Tyler TF, McHugh MP.** Clinical outcomes of coracoclavicular ligament reconstructions using tendon grafts. *Am J Sports Med* 2007;35:1912-17.

**Nuber G, Bowen M.** Acromioclavicular joint injuries and distal clavicle fractures. *J Am Acad Orthop Surg.* 1997;5:11-18.

**O'Brien S, Pagnani M, Fealy S, McGlynn S, Wilson J.** The active compression test: a new and effective test for diagnosing labral tears and acromioclavicular joint abnormality. *Am J Sports Med.* 1998;26:610-613.

**Olaf Rolf , Andreas Hann von Weyhern ,Alexander Ewers ,Thomas Dirk Boehm , Frank Gohlke .** Acromioclavicular dislocation Rockwood III–V: results of early versus delayed surgical treatment : Arch Orthop Trauma Surg (2008) 128:1153–1157.

**O.J Lewis** anatomy . london 93 ,1959

**Park HB, Yokota A, Gill HS, El Rassi G, McFarland EG.** Diagnostic accuracy of clinical tests for the different degrees of subacromial impingement syndrome. J Bone Joint Surg [Am] 2005;87-A:1446-55.

**Pennington WT, Hergan DJ, Bartz BA.** Arthroscopic coracoclavicular ligament reconstruction using biologic and suture fixation. Arthroscopy 2007;23:785-7.

**Petersson C.** Degeneration of the acromioclavicular joint: a morphological study. Acta Orthop Scand. 1983;54:434-438.

**Phillips AM , Smart C , Groom AF :** Acromioclavicular dislocations : Conservative or surgical therapy . Clin orthop Relat Res 1998 ; 353 : 10-17.

**Powers JA , Bach PJ :** Acromioclavicular separations : closed or open treatment ? Clin orthop Relat Res 1974 : 104: 213-223.

**Rawes ML, Dias JJ.** Long-term results of conservative treatment for acromioclavicular dislocation. J Bone Joint Surg [Br] 1996;78-B:410-12.

**Rockwood CA Jr.** Injuries to the acromioclavicular joint. In: Rockwood CA Jr, ed. Fractures in Adults. Vol 1. 2nd ed. Philadelphia, PA: JB Lippincott; 1984:860.

**Rockwood Jr CA, Young DC.** Disorders of the acromioclavicular joint. In: Rockwood Jr CA, Matsen III FA, editors. The shoulder. Philadelphia: WB Saunders; 1990. p. 413—68.

**Rockwood CA, Williams GR, Young DC.** Acromioclavicular injuries. In: Rockwood CA, Green DP, Bucholz RW, Heckman JD, eds. Fractures in Adults. Vol I. 4th ed. Philadelphia, PA: Lippincott-Raven; 1996:1341– 1413.

**Rockwood CA, Williams G, Young D.** Disorders of the acromioclavicular joint. In: Rockwood CA, Matsen FA, eds. The shoulder. Second ed. Vol. 1. Philadelphia: WB Saunders, 1998:483-553.

**Rolla PR, Surace MF, Murena L.** Arthroscopic treatment of acute acromioclavicular joint dislocation. Arthroscopy 2004;20:662-8.

**Roper BA, Levack B.** The surgical treatment of acromioclavicular dislocations. *J Bone Joint Surg [Br]* 1982;64-B:597-9.

**Ryan Simovich MD , Rett Sanders MD , Mehmet Ozbaydar MD, Kyle Lavery , BS , Jon J . P. Warner , MD :** Acromioclavicular Joint Injuries : Diagnosis and Management . *J Am Acad Orthop Surg* 2009 ; 17 : 207 - 219 .

**Ryhanen J, Leminen A, Jämsä T, et al.** A novel treatment of grade III acromioclavicular joint dislocations with a C-hook implant. *Arch Orthop Trauma Surg* 2006;126:22-7.

**Sage FP, Salvatore JE** Injuries of the acromioclavicular joint. A study of results in ninety-six patients. *South Med J* ( 1983) 56:486–495.

**Sahara W, Sugamoto K, Murai M, Yoshikawa H.** Three-dimensional clavicular and acromioclavicular rotations during arm abduction using vertically open MRI. *J Orthop Res* 2007;25:1243-9.

**Salter EJ, Nasca R, Shelley B.** Anatomical observations on the acromioclavicular joint and supporting ligaments. *Am J Sports Med.* 1987;15:199-206.

**Schlegel TF, Burks RT, Marcus RL, Dunn HK.** A prospective evaluation of untreated acute grade III acromioclavicular separations. *Am J Sports Med.* 2001;29:699-70

**Sethi GK, Scott SM.** Subclavian artery laceration due to migration of a Hagie pin. *Surgery* 1976;80:644-6.

**Sim E, Schwarz N, Hocker K, Berzlanovich A.** Repair of complete acromioclavicular separations using the acromioclavicular-hook plate. *Clin Orthop* 1995;314:134-42.

**Sloan SM, Budoff JE, Hipp JA, Nguyen L.** Coracoclavicular ligament reconstruction using the lateral half of the conjoined tendon. *J Shoulder Elbow Surg.* 2004;13:186-190.

**Stam L, Dawson I.** Complete acromioclavicular dislocations: treatment with a Dacron ligament. *Injury* 1991;22:173-6.

**Sundaram N, Patel DV, Porter DS.** Stabilization of acute acromioclavicular dislocation by a modified Bosworth technique: a long-term follow-up study. *Injury* 1992 ;23:189-93.

**Shubin Stein B E, MD, Christopher S. Ahmad, MD, Charles H. Pfaff, MD, Louis U. Bigliani, MD, and William N. Levine,** A comparison of magnetic resonance imaging findings of the acromioclavicular joint in symptomatic versus asymptomatic patients . J Shoulder Elbow Surg January/February 2006 :15 – 56-58 .

**Taft TN , Wilson FC , Oglesby JW :** Dislocation of the acromioclavicular joint : An end result study . J Bone Joint Surg Am 1987 ; 69 : 1045- 1051.

**Tauber M, Eppel M, Resch H.** Acromioclavicular reconstruction using autogenous semitendinosus tendon graft: results of revision surgery in chronic cases. J Shoulder Elbow Surg 2007;16:429-33.

**Thorndike AJ :** Injuries to the acromioclavicular joint : A plea for conservative treatment . Am j surg 1942 ; 55: 250-261.

**Tibone J, Sellers R, Tonino P.** Strength testing after third degree acromioclavicular dislocations. Am J Sports Med. 1992;20:328-331.

**Tienen TG, Oyen JF, Eggen PJ.** A modified technique of reconstruction for complete acromioclavicular dislocation: a prospective study. Am J Sports Med. 2003;31:655-659.

**Tossy JD , Mead MC ,Sigmond HM :** Acromioclavicular separations : useful and practical classificayion for treatment . CLin Orthop Relat Res 1963 ; 28: 111-119 .

**Tsou PM.** Percutaneous cannulated screw coracoclavicular fixation for acute acromioclavicular dislocations. Clin Orthop 1989;243:112-21.

**Tyurina TV.** Age-related characteristics of the human acromioclavicular joint. Arkh Anat Gistol Embriol. 1985;89:75– 81.

**Urist M.** Complete dislocation of the acromioclavicular joint: the nature of the traumatic lesion and effective methods of treatment with an analysis of 41 cases. J Bone Joint Surg. 1946; 28:813-837.

**Vanarthos WJ, Ekman EF, Bohrer SP.** Radiographic diagnosis of acromioclavicular joint separation without weight bearing: importance of internal rotation of the arm. AJR Am J Roentgenol. 1994;162:120 –122.

**Vargas L.** Repair of complete acromioclavicular dislocation, utilizing the short head of the biceps. J Bone Joint Surg. 1942;24:772-773.

**Walton J, Mahajan S, Paxinos A, et al.** Diagnostic values of tests for acromioclavicular joint pain. J Bone Joint Surg Am. 2004;86:807-812.

**Wang KC, Hsu KY, Shih CH.** Coracoid process fracture combined with acromioclavicular dislocation and coracoclavicular ligament rupture: a case report and review of the literature. Clin Orthop. 1994;300:120 –122.

**Warner JJP.** The shoulder. In: Miller MD, Cooper DE, Warner JJP, eds. Review of Sports Medicine and Arthroscopy. Philadelphia, PA: WB Saunders; 1995:129.

**Webb J, Bannister G.** Acromioclavicular disruption in first class rugby players. Br J Sports Med 1992;26:247-8.

**Weaver J, Dunn H.** Treatment of acromioclavicular injuries, especially complete acromioclavicular separation. J Bone Joint Surg Am. 1972;54:1187-1194.

**Weinstein D, McCann P, McIlveen S, Flatow EL, Bigliani LU.** Surgical treatment of complete acromioclavicular dislocations. Am J Sports Med. 1995;23:324-33.

**Wellmann M, Zantop T, Weimann A, Raschke MJ, Petersen W.** Biomechanical evaluation of minimally invasive repairs for complete acromioclavicular joint dislocation. Am J Sports Med 2007;35:955-61..

**Williams GR Jr , Nguyen VD, Rockwood CA Jr ;** classification and radiographic analysis of acromioclavicular dislocation . Appl Radiol 1989 ; 18 :29-34.

**Wolf EM, Pennington WT.** Arthroscopic reconstruction for acromioclavicular joint dislocation. Arthroscopy 2001;17:558-63.

**[www.nismat.org/orthocor/exam/seexam08](http://www.nismat.org/orthocor/exam/seexam08).**

**Zanca P.** Shoulder pain: involvement of the acromioclavicular joint (analysis of 1,000 cases). Am J Roentgenol Radium Ther Nucl Med. 1971;112:493–506.