

References

- Aglietti, P., and Buzzi, R(1993).: fractures of the femoral condyles. In: Insall, J.N., Windsor, R.E., Scott, W.N., and Aglietti, P.: Surgery of the knee Second edition. Churchill Livingstone, 983-1034, 1993.
- Albert, M.J(1997).: Supracondylar fractures of the femur. J. Am. Acad. Orthop. Surgeons 5: 163-177, 1997.
- Appleton P., Moran M., Houshian S., Robinson C.M.(2006): Distal femoral fractures treated by hinged total knee replacement in elderly patients. J Bone Joint Surg Br. 2006.
- Ali F, Saleh M. Treatment of distal femoral non-union by fixation with simultaneous lengthg and alignment correction. Injury 2002;33:127-34.
- Alonso JE, Hughes JL. External fixation of the femur. *Instr Course Lect* 1990;39:199–204
- Anderson, J.E. (1980): Lower limb. In: Anderson, J.E.: Grant's atlas of anatomy. Third edition. Lippincott Williams & Wilkins, 4.1-4.129, 1980.
- Agus H, Reisoglu A, Zincircioglu G, Eryanilmaz G. (2002): Treatment of intra-articular communitied supracondylar femoral fracture by indirect plate osteosynthesis. Acta Orthop Traumatol Turc 2002; 36:384-9.
- Arazi M, Memik R, Ogun TC, Yel M. Ilizarov external fixation for severely comminuted supracondylar and intercondylar fractures of the distal femur. *J Bone Joint Surg Br* 2001.
- Anderson S.P., Matthews L.S., Kaufer H. (1990) Treatment of juxtarticular nonunion fractures at the knee with long-stem total knee arthroplasty. Clin Orthop 1990;260:104-9.
- Baumgaertel F, Bull M, Rahn A. (1998): Fracture healing in biological plate osteosynthesis. Injury 1998.
- Bolhofner Br, Carmen B, Clifford P. (1996): The results of open reduction and internal fixation of distal femur fractures using a biological (indirect) reduction technique. J Orthop Trauma 1996
- Bell, K.M., Johnstone, A.J., and Hughes, (1992).: primary knee arthroplasty for distal femoral fractures in elderly patients. J. Bone Joint Surg. 74B: 400-402, 1992.
- Butt, M.S., Krikler, S.J., and Ali, M.S(1995).: Displaced fractures of the distal femur in elderly patients. Operative versus non-operative treatment. J. Bone Joint Surg. 77B: 110-114, 1995.

- Brosseau L, Milne S, Wells G, et al (2005). Efficacy of continuous passive motion following distal femoral fractures. *J Rheumatol*. 2004; 31(11):2251-2264
- Button G, Wolinsky P, Hak D (2004) Failure of less invasive stabilization system plates in the distal femur: a report of four cases. *J Orthop Trauma* 18:565–570.
- Bellabarba, C., W.M. Ricci, and B.R. Bolhofner, (2002): Indirect reduction and plating of distal femoral nonunions. *J Orthop Trauma*, 2002. 16(5): p. 287-96.
- Buckwalter-Einhorn T.A., Bolander M.E., Cruess R.L., et al. (2000): Healing of the musculoskeletal tissues. In: *Fractures in Adults*, ed by Rockwood C, Green D. Philadelphia, JB Lippincott. 1996, 1972-2000
- Christodoulou A, Terzidis I, Ploumis A, et al (2005) Supracondylar femoral fractures in elderly patients treated with the dynamic condylar screw *Arch Orthop Trauma Surg*; 125:73-9.
- Charles N. C (2005): Internal Fracture Fixation in Patients with Osteoporosis. *J. Am Acad. Orthop. Surg*; 11:109-119.
- Chapman JR, Henley MB (2010): Double plating of distal femur fractures: indications and techniques. *Tech Orthop*; 9:210. (Quoted from: Chapman's Orthopedic Surgery (2001): Fractures, dislocation, nonunion and malunion, (3rd Ed), Lippincott, William and Wilkins, Philadelphia, PP.710-744.)
- Canale S T, Beaty J H (2007): In *Campbell's Operative Orthopaedics*; Fractures of the Distal Femur. Lippincott, William and Wilkins, Philadelphia, pp.3170-3189
- Cannada LK, Charlton MT (2008) Femoral fractures. In: Fischgrund JS (ed) *Orthopedic Knowledge Update: 9*. American Academy of Orthopedic Surgeons, Rosemont, IL, pp 427–438.
- Crist BD, Della Rocca GJ, Murtha YM.(2008): Treatment of acute distal femur fractures. *Orthopedics*. Jul 2008;31(7):681-90.
- Cegonino J, Garcia Aznar JM, Doblare M, Palanca D, Seral B, Seral F.(2004) A comparative analysis of different treatments for distal femur fractures using the finite element method. *Comput Methods Biomech Biomed Engin* 2004;7:245–56.
- Davies R, Holt N, Nayagam S (2005) The care of pin sites with external fixation. *J Bone Joint Surg Br* 87-B(5):716–719.
- Davison BL. (2003) Varus collapse of comminuted distal femur fractures after open reduction and internal fixation with a lateral condylar buttress plate. *Am J Orthop*. 2003;32:27-30.

- DePalma, A.F. (1981): Fractures of the femur. In: Connolly, J.F. (ed): De Palma's the management of fractures and dislocations. Third edition. W.B. Saunders Company, Philadelphia, 1366-1541, 1981.
- Davila J., Malkani A., Paise J.M. (2001): Supracondylar distal femoral nonunions treated with a megaprosthesis in elderly patients: a report of two cases. J. Orthop Trauma 2001;15:574-578.
- Deszczynski J, Szczesny G, Karpinski J. Use of the ynastab-K (knee)external fixator technique for functional treatment of intra- and periarticular fractures of the knee joint. *Chir Narzadow Ruchu Ortop Pol.* 2000;65:409–415.

- Dar GN, Tak SR, Kangoo KA, Halwai MA. (2009): Bridge plate osteosynthesis using dynamic condylar screw (DCS) UlusTrauma Acil Cerrahi Derg 2009; 15(2):148-53.
- Daoud H, O'Farrell T, Cruess RL. Quadricepsplasty: the Judet technique and results of six cases. J Bone Joint Surg [Br] 1982;64-B:194-7.
- Edward, T.Su. Hargovind, D.W., and Paul, E.D. (2004): Periprosthetic femoral fractures above total knee replacements. J. Am. Acad. Orthop. Surg. 12: 12-20, 2004.
- Egol KA, Kubiak EN, Fulkerson E, Kummer FJ, Koval KJ (2004) Biomechanics of locked plates and screws. J Orthop Trauma 18:488–493.
- Eijer H, Hauke C, Arens S, et al (2001): PC-Fix and local infection resistance-influence of implant design on postoperative infection development ,clinical and experimental results. Injury; 32(suppl2):B38-43
- Forster MC, Komarsamy B and Davison JN (2006): Distal femoral fractures: a review of fixation methods. Injury; 37:97–108.
- Fankhauser F, Gruber G, Schippinger G, et al. (2004): Minimal-invasive treatment of distal femoral fractures with the LISS (Less Invasive Stabilization System): a prospective study of 30 fractures with a follow up of 20 months. Acta Orthop Scand. 2004;75:56-60.
- Frank H. Netter, John A. Craig. (2002) Netter's Concise Atlas of Orthopaedic Anatomy, Icon Learning Systems, Teterboro, NJ, Copyright 2002.
- Frigg R (2003) Development of the locking compression plate. Injury 34(Supplement 2):6–10
- Fracture and Dislocation Compendium. (1996) Orthopaedic Trauma Association Committee for Coding and Classification. J. Orthop. Trauma 10(Suppl 1): 1-45, 1996.

- Gardner MJ, Toro-Arbelaez JB, Harrison M, Hierholzer C, Lorich DG, Helfet DL (2008) Open reduction and internal fixation of distal femoral nonunions: long-term functional outcomes following a treatment protocol. *J Trauma* 64:434–438.
- Gardner MJ, Helfet DL, Lorich DG. (2004): Has locked plating completely replaced conventional plating? *Am J Orthop* (Belle Mead NJ). 2004 Sep;33(9):439-46.
- Gated, D.J., Michael, A., and Migvel, M.C. (1985): Hinged cast and roller traction for fractured femur. *J. Bone Joint Surg.* 67B: 750-755, 1985.
- Giles, J.B., Delee, J.C., Heckman, J.D., and Keever, J.E. (1982): Supracondylar intercondylar fractures of the femur treated with a supracondylar plate and lag screw. *J. Bone Joint Surg.* 64A: 864-870, 1982.
- Glancy, K.E., Glancy, C.J., Lucke, J.F., and Mahurin, K. (1992): A study of recovery in trauma patients. *J. Trauma* 33 (4): 602-609, 1992.
- Gurd, A.R. (1970): Fat embolism. An aid to diagnosis. *J. Bone Joint Surg* 52B: 732-737, 1970.
- Gautier E, Sommer C (2003) Guidelines for the clinical application of the LCP. *Injury* 34:63–76
- Gustillo, R.B., and Anderson, J.T. (1976): Prevention of infection in the treatment of one thousand and twenty-five open fractures of long bones *J. Bone Joint Surg.* 58A: 453-458, 1976.
- Hoppenfeld SP. *Surgical Exposures in Orthopaedics: (2009) The Anatomic Approach.* Lipponcott, Williams, and Wilkins, Philadelphia, PA, Copyright 2009.
- Heiney JP, Barnett MD, Vrabec GA, Schoenfeld AJ, Baji A, Njus GO.(2009) Distal femoral fixation: A biomechanical comparison of trigen retrograde intramedullary (I.M) nail, dynamic condylar screw (DCS), and locking compression plate (LCP) condylar plate. *J Trauma* 2009 Feb: 66(2):443-9.
- Haidukewych G, Sems SA, Huebner D, et al. Results of polyaxial lockedplate fixation of periarticular fractures of the knee. *J Bone Joint Surg Am.* 2007;89:614–620.
- Harris, T., Ruth, J.T., Sziverk, J., and Haywood, B. (2003): The effect of implant overlap on the mechanical properties of the femur. *J. Trauma* 54(5): 930-935, 2003.
- Henderson CE, Bottlang M, Marsh JL, Fitzpatrick DC, Madey SM (2008) Does locked plating of periprosthetic supracondylar femur fractures promote bone healing by callus formation? Two cases with opposite outcomes. *Iowa Orthop J* 28:73–76

- Henry, S.L. (2000): Supracondylar femur fractures treated percutaneously Clin. Orthop. 375: 51-59, 2000.
- Healy WL, Brooker AF, Jr. (1983) Distal femoral fractures. Comparison of open and closed methods of treatment. *Clin Orthop Relat Res*;166-71.
- Hailer YD, Hoffmann R (2006) Management of a nonunion of the distal femur in osteoporotic bone with the internal fixation system LISS (less invasive stabilization system). *Arch Orthop Trauma Surg* 126:350–353.
- Hutson, J.J., and Zych, G.A. (2000): Treatment of comminuted intraarticular distal femur fractures with limited internal and external tensioned wire fixation. *J. Orthop. Trauma* 14(6): 405-413, 2000.
- Higgins TF, Pittman G, Hines, J, et al. Biomechanical analysis of distal femur fracture fixation: fixed-angle screw-plate construct versus condylar blade plate. *J Orthop Trauma*. 2007;21:43–46.
- Huang HT, Huang PJ, Su JY, Lin SY. (2003): Indirect reduction bridge plating of supracondylar fracture of the femur. *Injury* 2003;34:135-40.
- Iannaccone, W.M., Taffer, R., and Delong, W.G. Jr. (1994): vascular injury initially stabilized with external fixation. *J. Trauma* 37: 446-451, 1994.
- Ito, K., Grass, R., and Zwipp, H. (1998): Internal fixation of supracondylar femoral fractures; comparative biomechanical performance of the 95-degree blade plate and two retrograde nails. *J. Orthop. Trauma* 12(4): 259-266, 1998.
- Judet R. Mobilisation of the stiff knee. *J Bone Joint Surg [Br]* 1959;41-B:856-7.
- Jeon IH, Oh CW, Kim SY, Park BG, Kyung HC, Ihn JC. (2004): Minimally Invasive Percutaneous Plating of distal femoral fracture using the dynamic Condylar screw. *J Trauma* 2004;57:1048-52.
- Jacobs, Ma; Loeb, Pe; Hungerford, Ds(1989) distal femur fractures ",The Journal of bone and joint surgery. British volume71(4): 583–7, ISSN 0301-620X
- Jarit G, Kummer F, Gibber M, Egol K. (2006): A mechanical evaluation of two fixation methods using cancellous screws for coronal fractures of the lateral condyle of the distal femur (OTA 33B). *J Orthop Trauma*. 2006;20(4):273–6
- Johansen KD, Lynch K, Paun M, Copass M. (1991) Non-invasive vascular tests reliably exclude occult arterial trauma in injured extremities. *J Trauma*. 1991;31:515-519.
- Kolb W, Guhlmann H, Windisch C, Marx F, Kolb K, Koller H. (2008): Fixation of distal femoral fractures with the Less Invasive Stabilization System: a minimally invasive treatment with locked fixed-angle screws. *J Trauma*. Dec 2008;1425-34.

- Kapandji, I.A.: The knee. In: Kapandji, I.A. (1983): The physiology of joints: Lower limb, volume 2. Third edition. Churchill Livingstone, 64-146, 1983.
- Kubiak EN, Fulkerson E, Strauss E, Egol KA (2006) The evolution of locked plates. J Bone Jt Surg Am 88:189–200.
- Khan MA, Shafique M, Sahibzada AS, Sultan S. (2006): Management of type -A supracondylar fracture of femur with dynamic Condylar screw (DCS). J Med Sci 2006;14(1):44-7.
- Koval, K.J., Frederick, J.K., Bharam, S., and Halder, S. (1996): Distal femoral fixation: A laboratory comparison of the 95° plate, antegrade and retrograde inserted reamed intramedullary nails. J. Orthop. Trauma 10(6): 378-382, 1996.
- Koval, K.J. (1996): Supracondylar and intercondylar fractures of the distal femur, Orthopedic Knowledge Update Trauma. Edited by Levine, A.M. Published by American Academy of American Surgeons, 137-144, 1996.
- Koval, K.J., Seligson, D., Rosen, H., and Fee, K. (1995): Distal femoral nonunion: J. Orthop. Trauma 9(4): 285-291, 1995.
- Kregor PJ, Stannard JA, Zlowodzki M, Cole PA. (2004): Treatment of distal femur fractures using the less invasive stabilization system: surgical experience and early clinical results in 103 fractures. J Orthop Trauma. 2004;18:509-520.
- Koregor PJ. (2002) Distal femur fracture with complex articular involvement. Management by articular exposure and submuscular fixation. Orthop Clin North Am 2002;33:153- 75.
- Knut Stromse (2004): Fracture fixation problems in osteoporosis. Injury, Int. J. Care Injured 35, 107—113.
- Kolmert L, Wulff K. (1982): Epidemiology and treatment of distal femoral fractures in adults. Acta Orthop Scand 1982;53:957-962.
- Krettek, C., Muller, M., and Miciau, T. (2001): Evolution of minimally invasive plate osteosynthesis (MIPO) in the femur. Injury 32(suppl. 3): 14-23, 2001.
- Khalafi A, Curtiss S, Hazelwood S, et al.(2006) The effect of plate rotation on the stiffness of femoral LISS: a mechanical study. J Orthop Trauma. 2006;20:542–546.
- Kumar, A., Jasani, V., and Butt, M.S. (2000): Management of distal femoral fractures in elderly patients using retrograde titanium supracondylar nails. Injury 31: 169-173, 2000.
- Kyle, R.F., Schanffhausen, J.M., and Bechtold, J.E. (1991): Biomechanical characteristics of interlocking femoral nails in the treatment of complex femoral fractures. Clin. Orthop. 267: 169-173, 1991.

- Kress K.J., Scuderi G.R., Windsor R.E., Insall J.N. (1993): Treatment of nonunions about the knee utilizing custom total knee arthroplasty with press fit intramedullary stems. *J Arthroplasty* 1993;849-55 .
- Karpman R.R., Del Mar N.B. (1995): Supracondylar femoral fractures in the frail elderly: fractures in need of treatment. *Clin Orthop* 1995;316:21-4
- Levy BA, Zlowodzki MP, Graves M, Cole PA. (2005): Screening for extremity arterial injury with the arterial pressure index. *Am J Emerg Med.* 2005;23:689-695.
- Lambiris.E, Saridis.A, et al (2006):the use of ilizarov method as a salvage procedure in infected non-union of the distal femur with bone loss. *J.Bone Joint Surg(Br)*, 2006;88-B;232-7
- Lynch K, Johansen K. (1991): Can Doppler pressure measurement replace "exclusion" arteriography in the diagnosis of occult extremity arterial trauma? *Ann Surg.* 1991;214:737-741
- Leggon, R.E., Feldmann, D.D., and Lindsey, R.W(2001).: Fractures of the distal femur. In: Malek, M.M. (ed): *Knee Surgery: complications, pitfalls, and salvage*. Springer-Verlag, New York, 209-243, 2001.
- Mark D. Miller, Saunders, (2008): *Review of Orthopaedics*, 5th Edition, an imprint of Elsevier, Philadelphia, Copyright 2008.
- Mast J JR, Ganz R. *Planning and Reduction Technique in Fracture Surgery*. New York, NY: Springer; 1989.
- Martinet O, Cordey J, Harder Y, Maier A, Bualer M, Barraud GE. (2000):The epidemiology of fractures of the distal femur. *Injury* 2000 ;31 (Suppl 3):C62-C63.
- Marti A, Fankhauser C, Frenk A, Cordey J, Gasser B (2001) Biomechanical evaluation of the less invasive stabilization system for the internal fixation of distal femur fractures. *J Orthop Trauma* 15:482–487
- Markmiller, M., Konard, G., and Sudkamp, N. (2004): Femur-LISS and distal femoral nail for fixation of distal femoral fractures. Are there differences in outcome and complications? *Clin. Orthop.* 426: 252-257, 2004.
- Masse A, Biasibetti A, Demangos J, Dutto E, Pazzano S, Gallinaro P (2006) The judet quadricepsplasty: long-term outcome of 21 cases. *J Trauma* 61:358–362.

- McMinn, R.M.H. (1994): Lower limb. In: McMinn, R.M.H.: Last's anatomy regional and applied. Ninth edition. Medical division of Longman group, Churchill Livingstone, 145-240, 1994.
- Michael A. Miranda (2007): Locking plat technolog and its role in osteoporotic fractures. Injury, Int, J.Care injured 3853, 535-539
- Meyer, R.W., Plaxton, N.A., Postak, P.D., Gilmore, A., and Froimson, M.I. (2000): Mechanical comparison of a distal femoral side plate and a retrograde intramedullary nail. J. Orthop. Trauma 14(6): 398-404, 2000.
- Mize, R.D. (1989): Surgical management of complex fractures of the distal femur. Clin. Orthop. 240: 77-86, 1989.
- Mustonen AO, Koskinen SK and Kiuru MJ (2005): Acute knee trauma: analysis of multidetector computed tomography findings and comparison with conventional radiography. Acta Radiol ; 46:866–874.
- Moroni A et al (2005) Hydroxyapatite-coated external fixation pins. Expert Rev Med Devices 2(4):465–471.
- Moore T.J., Watson T., Green S.A., Garland D.E., Chandler R.W. (1987): Complications f surgically treated supracondylar fractures of the femur. J Trauma 1987; 27:402-6.
- Muller, M.E., Nazarians, S., Koch, P., and Schatzker, J. (1990):The comprehensive classification of fractures of long bones. Springer-Verlag, New York, 171-179, 1990.
- Muller, M.E., Allgower, M., Schenider, R., and Willenegger, H(1991): Manual of internal fixation. Third edition. Springer-Verlag, New York, 1991.
- Neer, C.S., Grantham, S.A., and Shelton, M.L(1967):. Supracondylar fractures of the adult femur. J. Bone Joint Surg. 49A: 591-613, 1967.
- Nork SE, Segina DN, Aflatoon K. (2005) The association between supracondylar-intercondylar distal femoral fractures and coronal plane fractures. J Bone Joint Surg Am 2005;87:564-569.
- Nasr AM, Mc Leod I, Sabboubbeh A, et al (2000) Conservative or surgical management of distal femoral fractures. A retrospective study with a minimum five year follow-up. Acta Orthop Belg; 66:477-83.3
- Ostrum RF and Geel C (1995): Indirect reduction and internal fixation of supracondylar femur fracture without bone graft. J Orthop Trauma ; 9:278.

- O'Brien, P.J., Meek, R.N., Blachu, P.A., and Broekhuysen, H.M. (2001): Fractures of the distal femur. In: Rockwood, C.A., Green, D.P., Bucholz, R.W., Heckman, J.D. (eds): Fractures in Adults. Lippincott Williams & Wilkins, Philadelphia, 1731-1774, 2001.
- Pearse E.O., Klass B., Bendall S.P., Railton G.T. Stanmore(2005): total knee replacement versus internal fixation for supracondylar fractures of the distal femur in elderly patients. *Injury* 2005;36:163-8.
- Patterson, R.H., and Earll, M. (1999): Repair of supracondylar femur fracture and unilateral knee replacement at the same surgery. *J. Orthop. Trauma* 13(5): 388-390, 1999.
- Perren SM (2002) Evolution of the internal fixation of long bone fractures. The scientific basis of biological internal fixation: choosing a new balance between stability and biology. *J Bone Joint Surg Br.* 84-B:1093–1110.
- Placide, Ricky J. MD. Lonner, Jess H. MD. (1999) Fractures of the distal femur. *Current Opinion in Orthopedics.* 10(1):2-9, February 1999.
- Paley, D., Herzenberg, J.E., Tetsworth, K., Mckie, J., and Bhavre, A. (1994): Deformity planning for frontal and sagittal plane corrective osteotomies. *Orthop. Clin. North Am.* 25(3): 425-465, 1994.
- Ricci AR, Yue JJ, Taffet R, Catalano JB, De Falco RA, Wilkens KJ. (2004): Less Invasive Stabilization System for treatment of distal femur fractures. *Am J Orthop.* 2004;33:250-255.
- Rodriguez-Merchan, E.C. and F. Forriol, (2004): Nonunion: general principles and experimental data. *Clin Orthop Relat Res*, 2004(419): p. 4-12.
- Robert Laminzak, Mark Albritton, Trevor Pickering (Editors), (2009): First Aid for the Orthopaedic Boards, Copyright 2009
- Reider, B., Marshall, J.L., Koslin, D., and Ring, B. (1981): The anterior aspect of the knee joint; an anatomic study. *J. Bone Joint Surg.* 63A: 351-356, 1981.
- Rademakers MV, Kerkhoffs GM, Sierevelt IN, Raaymakers EL, Marti RK. (2004): Intra-articular fractures of the distal femur: a long-term follow-up study of surgically treated patients. *J Orthop Trauma.* 2004;18:213-219.
- Schütz M, Muller M, Regazzoni P, et al. (2005): Use of the less invasive stabilization system (LISS) in patients with distal femoral (AO33) fractures: a prospective multicenter study. *Arch Orthop Trauma Surg.* 2005;125:102-108.
- Strauss EJ, Schwarzkopf R, Kummer F, Egol KA (2008) The current status of locked plating: the good, the bad, and the ugly. *J Orthop Trauma* 22:479–486.

- Seifert J, Stengel D, Matthes G, Hinz P, Ekkernkamp A, Ostermann PA.(2003): distal femoral fractures:. J Orthop Trauma 2003;17:488-95.
- Sanders, R., Antoun, R., and Gaudreau, M.J. (1985): Comparative study of treatment of supracondylar fractures of the femur. J. Bone Joint Surg. 63B: 456-463, 1985.
- Sanders, R., Swiontkowski, M., Rosen, H., and Helfet, D.. (1991): Double-plating of comminuted, unstable fractures of the distal part of the femur. J. Bone Joint Surg. 73A: 341-346, 1991.
- Schandelmaier, P., Partenheimer, A., Koenemann, B., and Krettek, C. (2001): Distal femoral fractures and LISS stabilization. Injury 32(suppl.3): 55-63, 2001.
- Schemitsch, E.H., and Bhandari, M. (2001): complications. In: Rockwood, C.A., Green, D.P., Bucholz, R.W., Heckman, J.D. (eds): Fractures in Adults. Lippincott Williams & Wilkins, Philadelphia, 463-556, 2001.
- Shewring, D.J(1992).: Distal femoral fractures fixation. J. Bone Joint Surg. 74A: 122-125, 1992.
- Snell, R.S. (1992): Lower limb. In: Snell, R.S.: Clinical anatomy for medical students. Fourth edition. Little, Brown and Company, 507-630, 1992.
- Stewart, M.J., Sisk, T.D., and Wallace, S.L. (1966): Fractures of the distal third of the femur. A comparison of methods of treatment. J. Bone Joint Surg. 48A: 784-807, 1966.
- Siliski JM, Mahrng M and Hofer HP (1989): Supracondylar-intercondylar fractures of the femur: treatment by internal fixation. J Bone Joint Surg [Am] 71-A: 95-104. (Quoted from: Campbell's Operative Orthopaedics (2007): Fractures of the distal femur.
- Stover, M (2001): Distal femoral fractures: Current treatment, results and problems. Injury 32(suppl.3): 3-13, 2001.
- Strobel, M., and Stedtfeld, H.W(1990).: Anatomy, proprioception, and biomechanics. In: Strobel, M. and Stedtfeld, H.W.: Diagnostic evaluation of the knee. Springer-Verlag, Berlin, Heidelberg, 1-48, 1990.
- Stoffel K, Dieter U, Stachowiak G, Gächter A, Kuster MS (2003) Biomechanical testing of the LCP—how can stability in locked internal fixators be controlled? Injury 34:11–19.
- Stoffel K, Lorenz KU, Kuster MS (2007) Biomechanical considerations in plate osteosynthesis: the effect of plate-to-bone compression with and without angular screw stability. J Orthop Trauma 21:362–368 Arch Orthop Trauma Surg.
- Swiontkowski, M.F. (2001): The multiply injured patient with musculoskeletal injuries. In: Rockwood, C.A., Green, D.P., Bucholz, R.W., Heckman, J.D. (eds): Fractures in Adults. Lippincott Williams & Wilkins, Philadelphia, 47-84, 2001.

- Syed, A.A., Agarwal, M., Giannoudis, P.V., Matthews, S.J.E., and Smith, R.M. (2004): Distal femoral fractures: long-term outcome following stabilization with the LISS. *Injury* 35: 599-607, 2004.
- Sharma L, Song J, Felson D, et al. The role of knee alignment in disease progression and functional decline in knee osteoarthritis. *JAMA* 2001; 286:188-95.
- Tencer, A.F., Johnson, K.D., Kyle, R.F., and Fu, F.H (1993).: Biomechanics of fracture and fracture fixation. A.A.O.S., Instructional course- Lectures, 42: 35-55, 1993.
- Terry, G.C., Hughston, J.C., and Norwood, L.A. (1986): The anatomy of the iliopatellar band and the iliotibial tract. *Am. J. Sports Med.* 14: 39-45, 1986.
- Tooms, R.E., and Harkess, J.W.: Arthroplasty. In: Crenshaw, A.H. (ed) (1992) : *Campbell's Operative Orthopedics*, Mosby, 371-387, 1992.
- Vallier HA, Hennessey TA, Sontich JK, Patterson BM.(2006): Failure of LCP condylar plate fixation in the distal part of the femur. A report of six cases. *J Bone Joint Surg Am.* 2006; 88(4):846-853
- Wong MK, Leung F, Chow SP. (2005): Treatment of distal femoral fractures in the elderly using a less-invasive plating technique. *Int Orthop.* 2005;29:117-120.
- Wagner M. (2003): General principles for the clinical use of the LCP. *Injury.* 2003 Nov;34 Suppl 2:B31-42.
- Weber, D., Pomeroy, D.L., Schaper, L.A., and Suthers, K.E. (2000): supracondylar nailing of distal periprosthetic femoral fractures. *Int. Orthop.* 24: 33-35, 2000.
- Williams, P.L., Warwick, R., Dyson, M., and Bannister, L.H. (1989): Lower limb. In: Williams, P.L., Warwick, R., Dyson, M., and Bannister, L.H.: *Gray's Anatomy*. 37th edition. Churchill Livingstone, 378-418, 1989.
- Weight M, Collinge C (2004) Early results of the less invasive stabilization system for mechanically unstable fractures of the distal femur (AO/OTA types A2, A3, C2, and C3). *J Orthop Trauma* 18:503–508.
- Wagner M. and Frigg R. (2004): New Concepts for bone fracture treatment and the locking compression plate. *Surg Technol Int*; 12:271-7.
- Wenda, K. et al. “Minimally invasive plate fixation in the distal femoral fractures.” *Injury.* 1997;28,1 (suppl).
- Wang JW, Weng LH (2003) Treatment of distal femoral nonunion with internal fixation, cortical allograft struts, and autogenous bone-grafting. *J Bone Joint Surg Am* 85:436–440
- Wu CC (2007) Femoral supracondylar malunions with varus medial condyle and shortening. *Clin Orthop Relat Res* 456: 226–232.

- Wolfgang G.L. (1982): Primary total knee arthroplasty for intercondylar fracture of the femur in a rheumatoid arthritic patient:a case report. Clin Orthop 1982;171:80-2.
- Yoshino N., Takai S., Watanabe Y., Fujiwara H., Ohshima Y., Hirawawa Y. (2001): Primary total knee arthroplasty for supracondylar/condylar femoral fractures in Osteoarthritic Knees. J Arthroplasty 2001; 471-75.
- Zlowodzki M, Williamson S, Cole PA, Zardiackas LD, Kregor PJ (2004) Biomechanical evaluation of the less invasive stabilization system, angled blade plate, and retrograde intramedullary nail for the internal fixation of distal femur fractures. J Orthop Trauma 18:494–502.
- Zlowodzki M, Bhandari M, Marek DJ, Cole PA, Kregor PJ. (2006): Operative treatment of acute distal femur fractures: Systematic review of two comparative studies and 45 case series (1989-2005). J Orthop Trauma. 2006.
- Ziran BH, Rohde RH, Wharton AR. (2002): Lateral and anterior plating of intra-articular distal femoral fractures treated via an anterior approach. Int Orthop. 2002;26:370-373.
- Zehntner MK, Marchesi DG, Burch H, Ganz R. (1992): Alignment of supracondylar/intercondylar fractures of the femur after internal fixation by AO/ASIF technique. J Orthop Trauma. 1992;6:318-326.