

REFERENCES

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- ALHO, A.; EKELAND, A.; STROMSOE, K.; FOLLERAS, G.; and THORESEN, B.: Locked intramedullary nailing for displaced tibial shaft fractures.
J. Bone and Joint Surg., 72-B:805, 1990.
- ALLEN, W.C.; HEIPLE, K.G.; and BURSTEIN, A.H.: A fluted femoral intramedullary rod.
J. Bone and Joint Surg., 60-A: 506, 1978.
- ALLEN, W.C.; PIOTROWSKI, G.; BURSTEIN, A.H.; and FRANKEL, V.H.: Biomechanical principles of intramedullary fixation.
Clin. Orthop., 60: 13, 1968.
- ALMS, M.: Medullary nailing for fractures of shaft of tibia.
J. Bone and Joint Surg., 44-B:328, 1962 .
- ANGLEN, J.; UNGER, D., DIPASQUALE, T.; HERSCOVICI, J.D.; SNOKE, J.; and SANDERS, R.: The treatment of open tibial shaft fractures using an unreamed interlocked nail-is external fixation obsolete [abstract]?
J. Orthop. Trauma, 7:163, 1993 .
- ASANG, E.: Experimental biomechanics of the human leg. A basis for interpreting typical skiing injury mechanisms.
Orthop. Clin. North Am., 7: 63, 1976.
- BAKER, J.T.; MC KINNEY, L.A.; COSTA, A.S.; NEPOLA, J.; VMARSH, L.J.; and RODKEY, W.G. : Comparison of infection rates in contaminated tibial fractures stabilized with internal vs external skeletal fixation in rabbit. [abstract].
J. Orthop. Trauma, 6:509, 1992 .

BARRON, S.E.; ROBB, R.A.; TAYLOR, W.F.; and KELLY, P.J.: The effect of fixation with intramedullary rods and plates on fracture site blood flow and bone remodeling in dogs.

J. Bone and Joint Surg., 59-A: 376, 1977.

BATTEN, R.L.; DONALDSON, L.J.; and ALDRIDGE, M.J.: Experience with the AO method in the treatment of 142 cases of fresh fractures of the tibial shaft treated in the U.K. .

Injury, 10: 108, 1978.

BAUER, G.; EDWARDS, P.O.; AND WIDMARK P.H. : Shaft fractures of the tibia .

Acta Orth. scand., 124: 386, 1962 .

BERMAN, A.T.; REID, J.S.; YANICKO, D.R.; AND ZIMMERMAN, M.R.: Thermally induced bone necrosis in rabbits : relation to implant failure in humans.

Clin. Orthop., 186:284, 1984 .

BLOCKEY, N.J. : The value of rigid fixation in the treatment of fractures of the adult tibial shaft.

J. Bone and joint surg., 38-B : 518, 1956.

BOHLER, L.: The treatment of fractures . English ed. vol.3. New York, Grune & Stratton, 1958 .

BONE, L.B.; KASSMAN, S.; STEGEMANN, P.; AND FRANC, J. : Prospective study rate of union rate of open tibial fractures treated by locked, un-reamed intramedullary nails.

J. Orthop. Trauma, 8:45, 1994 .

BONE, L.B.; AND JOHNSON, K.D.: Treatment of tibial fractures by reaming and intramedullary nailing.

J. Bone and joint surg., 68-A: 877, 1986.

BOURNE, R.B.; AND RORABECK, C.H. : Compartment syndromes of the lower leg.

Clin. Orthop., 240:97, 1989 .

BRADLEY, G.W.; MC KENNA, G.B.; DUNN, H.K.; DANIELS, A.U.; AND STATTON, W.O.: Effects of flexural rigidity of plates on bone healing.

J. Bone and Joint Surg., 61-A: 866, 1979 .

BROOKES, M.; ELKIN, A.C.; HARRISON, R.G.; AND HEALD, C.B.: A new concept of capillary circulation in bone cortex. :1078 -1081; *Lancet*, 1961 .

BROWNER, B.D.: Pitfalls, errors and complications in the use of locking Kuntscher nails .

Clin. Orthop., 212: 192, 1986.

BUCHOLZ, R.W.: Dilemmas and controversies in intramedullary nailing. In: The science and practice of intramedullary nailing. edited by B.D. Browner and C.C. Edwards. P.85. Philadelphia, Lea and Febiger, 1987 .

BURSTEIN, A. H.; CURREY, J.; FRANKEL, V. H.; HEIPLE, K. G.;; LUNSETH, P.; AND VESSELY, J. C.: Bone strength. The effect of screw holes.

J. Bone and Joint Surg., 54-A:1134, 1972.

BURWELL, H.N. : Plating fixation of tibial shaft fractures. A survey of 181 injuries.

J. Bone Joint Surg., 53-B:258, 1971 .

CARTER, D.R. : The compressive behavior of bone as two-phase porous structure.

J. Bone and Joint Surg.; 59-A: 954, 1977.

CHAPMAN, M.W.: Fractures of the tibial and fibular shafts. In: Surgery of the musculoskeletal system. edited by C.M.C. Evarts. 1st. Ed., vol. 3. New York, Edinburgh, London. and Melbourne. Churchill Livingstone. 1983.

CHAPMAN, M.W.: The role of intramedullary fixation in open fractures.

Clin. Orthop., 212: 26, 1986.

CHRISTENSEN, J, GREIFF, J; AND ROSENDAHL, S. : Fractures of the shaft of the tibia treated with AO - compression osteo-synthesis .

Injury 13 : 307 ,1982.

CLANCEY, G.J. : Non union of the tibia treated with Kuntscher intramedullary nailing.

Clin. Orthop., 167 : 191,1981.

COLE, J.D.; AND LATTA, L. : Fatigue failure of interlocking tibial nail implants [abstract] *J.Orthop.Trauma*, 6 :507, 1992

COURT - BROWN, C.M.; CHRISTIE, J.; AND MC QUEEN, M.M. : Closed intra-medullary tibial nailing

J. Bone and Joint Surg., 72-B:605,1990.

COURT - BROWN, C.M.; KEATING, J.F.; AND MC QUEEN, M.M. : Infection after intramedullary nailing of the tibia.

J. Bone and Joint Surg., 74-B : 770,1992.

COURT- BROWN, C.M.; MC QUEEN, M.M; QUABA,A.A.;AND CHRISTIE, J. : Locked intramedullary nailing of open tibial fractures.

J. Bone and Joint Surg., 73 - B:959 -,1991

DALÉN,N.; AND OLSSON, K.: Bone mineral Content and physical activity.

Acta Orthop. Scand., 45:170, 1974.

DE BASTIANI, G.; ALDEGHERI, R.; AND BRIVIO, L.R. : The treatment of fractures with a dynamic axial fixator.

J.Bone and Joint Surg., 66-B:538, 1984.

DEHNE, E.; AND DEFFER P.A. : Nonoperative treatment of the fractured tibia by immediate weight bearing.

J.Trauma, 1:514,1961 .

DE LEE, J.C.; AND STIEHL, J.B. : Open tibia fracture with compartment syndrome.

Clin. Orthop., 160:175, 1981 .

DEN OUTER, A.J.; MEEUWIS, J.D.; HERMANS, J.; AND ZWAVELLING, A. : Conservative vs operative treatment of displaced non comminuted tibial shaft fractures. A retrospective comparative study.

Clin. Orthop., 252:231, 1990 .

DIGBY, J.M.; HOLLOWAY, G.M.; AND WEBB, J.K. : A study of function after tibial cast bracing.

Injury, 14:432, 1982 .

DONALD, G.; AND SELIGSON, D.: Treatment of tibial shaft fractures by percutaneous kuntscher nailing. Technical difficulties and a review of 50 consecutive cases.

Clin. Orthop., 178:64, 1983 .

DUGAS, R.; AND AMBROSIA, R. : The Grosse - Kempf interlocking nail : Technique of femoral and tibial fractures.

Orthopedics, 8(11): 1363, 1985 .

EATON, R.G.; AND GREEN, W.T.: Volkmann's ischaemia, a volar compartment syndrome of the forearm.

Clin. Orthop., 133:58, 1975 .

EDGE, A.J.; AND DENHAM, R.A. : External fixation for complicated tibial fractures.

J. Bone and Joint Surg., 63-B, 1992 .

ELLIS, H.: Disabilities after tibial shaft fractures. With special reference to Volkmann's ischemic contracture.

J. Bone and Joint Surg., 40-B: 190, 1958.

ELLIS, H.: The speed of healing after fracture of the tibial shaft.

J. Bone and Joint Surg., 40-B: 42, 1958.

EMAMI,B.; MJOBERG, G.; KARLSTROM, G.; AND LARSSON,S. :
Treatment of closed tibial shaft fractures with unilateral external fixation.

Injury, 26(5) :299,1995 .

ERIKSSON, A.R.;ALBREKTSSON, T.; AND ALBREKTSSON, B.:Heat caused by drilling cortical bone: temprature measured in vivo in patients and animals.

Acta Orthop. Scand., 55:629,1984 .

FISCHER, D.A. : External Fixation in the management of open fracture
In: *Gustilo RB (ed) Management of open Fractures and their complications. Philadelphia : WB saunders, p.70,1982.*

FRANKEL, V.H.; AND BURSTEIN, A.H.: Orthopaedic Biomechanics.
Philadelphia, Leax Febiger, 1970.

FRANKEL, V. H.; AND NORDIN, M.: Basic Biomechanics of the skeletal system. p.15-39, *Philadelphia, Leax Febiger, 1980.*

FREEDMAN, M.T.; HOUK, T.; AND KEENE, W.E.: Radiation protection in orthopaedic surgery. In: *The science and practice of intramedullary nailing. edited by B.D. Browner and C.C. Edwards. P. 77. Philadelphia, Lea and Febiger. 1987.*

GADO, S. A.: The science and Practice of orthopaedic surgery and traumatology. 1990.

GOSSELIN, R.A.; BELZER,J.P.; AND CONTRERAS, D.M. :
Heterotopic ossification of the patellar tendon following intramedullary nailing of the tibia : report on two cases.

J.Trauma,34(1):161,1993.

GREGORY,P.; AND SANDERS, R. : The treatment of closed, unstable tibial fractures with unreamed interlocking nails.

Clin Orthop.,315:48,1995

GROVES, E.W.HHEY : On Modern Methods of treatment of fractures.
Bristol : John wright and Sons,1916.

GUSTILO, R.B.; AND ANDERSON, J.T.: Prevention of infection in the treatment of one thousand and twenty-five open fractures of long bones.

J. Bone and Joint Surg., 58-A: 453, 1976.

HAAS, N.; KRETTEK, C.; SCHANDELMAIER ; FRIGG, R.; AND TSCHERNE, H.: A new Solid unreamed tibial nail for shaft fractures with severe soft tissue injury.

Injury 24:49, 1993.

HAINES, J.F.; WILLIAMS, E.A.; HARDGADON, E.S.; AND DAVIES D.R. : Is conservative treatment of displaced tibial shaft fractures Justified?

J. Bone and Joint Surg., 66-B: 84, 1984.

HAMZA, K.N.; DUN KERLEY, G.E.; AND MURRAY, C.M. : Fractures of the tibia.

J. Bone Joint Surg., 53-B : 696, 1971

HARVEY, F.J.; HODGKINSON, A.H.; AND HARVEY, P.M. : Intramedullary nailing in the treatment of open fractures of the tibia and fibula.

J Bone and Joint Surg., 57- A : 909, 1975.

HECKMAN, M.M.; WHITESIDES, T.E.; AND GREWE, S.R. : Histologic determination of the ischaemic threshold of muscle in the canine compartment syndrome model.

J. Orthop. Trauma, 7:199, 1993

HOAGLUND, F.T.; AND STATES, J.D : Factors influencing the rate of healing in tibial shaft fractures.

Surg. Gynecol. Obstet. 124:71, 1967.

Quoted from Oestern et al., 1984.

HOLBROOK, J.L.; SWIONTKOWSKI, M.F.; AND SANDERS, R. : Treatment of open fractures of the tibial shaft : Ender nailing versus external fixation. A randomized, prospective comparison.

J. Bone and Joint Surg., 71-A : 1231, 1989.

HOLDEN, G.E.: The pathology and prevention of volkmann's ischaemic contracture.

J.Bone and Joint Surg., 61-B:296,1979.

HOOPER, G.J.; KEDDELL, R.G.; AND PENNY, I.D.: Conservative management of closed nailing for tibial shaft fractures. A randomised prospective trial.

J.Bone and Joint Surg., 73-B :83,1991.

JENSEN, J.S.; HANSEN, F.W.; AND JONANSEN,J. : Tibial shaft fractures: a comparison of conservative treatment and internal fixation with conventional plates of AO compression plates.

Acta Orthop. Scand., 48:204,1977.

JONES, K.G. : Treatment of infected nonunion of the tibia through the posterolateral approach.

Clin. Orthop., 43:103,1965.

KARLSTROM, G.; AND OLERUD, S. : Fractures of the tibial shaft : A critical evaluation of treatment alternatives.

Clin. Orthop., 105:82,1974.

KARLSTROM, G., AND OLERUD, S. : Ipsilateral fracture of the femur and tibia.

J.Bone and Joint Surg., 59-A:240.1977.

KATE, B. R.; AND ROBERT, S. L.: Some observations on the upper end of the tibia in squatters.

J. Anat., 99: 137, 1962.

KAY,L.; HANSEN, BA; AND RAASCHOUHO., : Fractures of the tibial shaft conservatively treated.

Injury, 17:5,1986.

KEATING, J.F.; O'BRIEN, P.; BLACHUT, P.; MEEK, R.W. AND BROEKHUYSE, H. : Inter-locking intramedullary nailing of open fractures of the tibia: a prospective randomised comparison of reamed and unreamed nails.

J. Bone and Joint Surg. 77-B suppl.1 :73, 1995.

KEMPF, I.; GROSSE, A.; AND ABALO, C. : Locked intramedullary nailing . Its application to femoral and tibial axial, rotational lengthening and shortening ostotomies.

Clin. Orthop., 212:165, 1986.

KEMPF, I.; JAEGER, J.H.; CLAVERT, J.M.; MOCHEL, D.; GLAESNER, R. : L'enclouage centro-medullaire avec alsege : critique theorique et experimnetnale priccipes de kuntscher.

Rev. Chir. Orthop., 64:629, 1978.

Quoted from kempf et al. 1986.

KEMPF, I.; GROSSE, A.; AND BECK, G.: Closed locked intramedullary nailing. Its application to comminuted fractures of the femur.

J. Bone and Joint Surg., 67-A: 709, 1985.

KESSLER, S.B.; HAILFELDT, K.K.; PERREN, S.M.; AND SCHWEIBERER, L.: The effects of reaming and intramedullary nailing on fracture healing.

Clin. Orthop., 212:18, 1986.

KLEIN, M.P.; RAHN, B.A.; FRIGG, R.; KESSLER, S.; AND PERREN, S.M. : Reaming versus non-reaming in medullary nailing: interference with cortical circulation of the canine tibia.

Arch. Orthop. Trauma Surg., 109:314, 1990 .

Quoted from Keating et al., 1995.

KLEMM, K.; AND BORNER, M.: Interlocking nailing of complex fractures of the femur and tibia.

Clin. Orthop., 212:89, 1986

KLENERMAN, L.; BISWAS, M.; HULANDS, G.H.; AND RHODES, A.M.: Systemic and local effects of the application of a tourniquet.

J. Bone and Joint Surg., 62-B:385, 1980.

KOVAL, K.; CLAPPER, M.; BRUMBACK, R.; ELLISON, P.; AND POKA, A.: complications of reamed intramedullary nailing of the tibia.

J. Orthop. Trauma, 5(2) 184, 1991.

KUNTSCHER, G.: The intramedullary nailing of fractures.

Arch. F. Klin. Chir. 200: 443, 1940. Translated and reprinted in *Clin. Orthop.*, 60: 5, 1968.

KUNTSCHER, G.: The kuntscher method of intra-medullary fixation.

J. Bone and Joint surg. 40-A:17, 1958.

LANYON, L. E.; HAMPSON, W. G.; GOODSHIP, A. E; AND SHAH, J. S.: Bone deformation recorded in vivo from strain gauges attached to the human tibial shaft.

Acta Orthop. Scand., 46: 256, 1975.

LAST, R. J.: Anatomy Regional and applied, Ed. 5, P. 305-310, Churchill Livingstone, 1973.

LAURENCE, M.; FREEMAN, M.A.R.; AND SWANSON, S.A.V.: Engineering considerations in the internal fixation of fractures of the tibial shaft.

J. Bone and Joint Surg., 51-B: 754, 1969.

LEACH, R.E.: A means of stabilizing comminuted distal tibial fractures.

J. Trauma, 4: 722, 1964.

Quoted from Chapman, 1983.

LEACH, R.E.: Fractures of the tibia and fibula. In: Fractures in adults. edited by C.A. Rockwood, Jr.. and D.P. Green. Ed. 2. vol. 2. p.1593-1665. Philadelphia. J.B. Lippincott. 1984.

LEUNIG, M.; AND HERTEL, R.: Thermal necrosis after tibial reaming for intramedullary nail fixation.

J. Bone and Joint surg., 78-B:584, 1996.

LEVIN, P. E.; SCHOEN, R.W.; AND BROWNER, B.D.: Radiation exposure to the surgeon during closed interlocking intramedullary nailing.

J. Bone and Joint Surg; 69-A: 761, 1987.

LEWIS, O. J.: The tubercle of the tibia.

J. Anat., 92: 587, 1958.

LOTTE, J.O.: Medullary nailing of the tibia with the triflange nail.

Clin. Orthop., 105:253, 1974 .

MACNAB, I.; AND DE HAAS, W.G.: The role of periosteal blood supply in the healing of fractures of the tibia.

Clin. Orthop., 105: 27, 1974.

MASTEN, F.A.; AND CLAWSON, D.K. : The deep posterior compartmental syndrome of the leg.

J. Bone and joint surg., 57-A: 34, 1975.

MAXON, H.R.; THOMAS, S.R. SAENGER, F.L.; BUNCHER, C.R.; AND KEREIAKES, J.G. : Ionizing irradiation and the induction of clinically significant disease in the human thyroid gland.

Am. J. Med., 63:967, 1977.

Quoted from Levin et al., 1987 .

MAYO, K.A., AND BENIRSCHKE, S.K.: Treatment of tibial malunions and nonunions with reamed intramedullary nails.

Orthop. clin. of N. Am., 21(4) : 715, 1990 .

MC QUEEN, M.M.; AND COURT - BROWN, C.M. : Compartment monitoring in tibial fractures.

J. Bone and Joint Surg., 78-B:99, 1996.

MC QUEEN, M.M.; CHRISTIE, J.; AND COURT-BROWN, C.M. :
Compartment pressures after intramedullary nailing of the tibia

J. Bone and Joint Surg., 72-B:395, 1990.

MENCK, J. ; BERTRAM, C.; GRUBER J.; AND LIERSE, W.: Design of
a tibial intramedullary nail based on anatomic studies of intraosseous
vessels.

Unfallchirurgie, 18:321-324, 1992.

Quoted from Haas et al., 1993.

**MERLE D'AUBIGNE, R., MAURER, P.; ZUCMAN, J.; AND MASSE,
Y.:** Blind intramedullary nailing for tibial fractures.

Clin. Orthop., 105:267, 1974.

MOED, B.R.; AND STROM, D.E. : Compartment syndrome after closed
intramedullary nailing of the tibia : a canine model and report of two
cases.

J. Orthop. Trauma, 5:71, 1991.

MOLSTER, A.O.; GJERDET, N.R.; ALHO, A.; AND BANG. G.:
Fracture healing after rigid intramedullary nailing in rats.

Acta Orthop. Scand. 54: 366. 1983.

Quoted from Tarr and Wiss. 1986.

MOLSTER, A.O.; GJERDET, N.R.; RAUGSTAD, T S.; HVIDSTEN, K.;
ALHO, A.; AND BANG, G.: Effect of instability on experimental fracture
healing.

Acta Orthop. Scand., 53: 521, 1982.

Quoted from Tarr and Wiss. 1986.

**MULLER, M.E.; ALLGOWER. M.; SCHNEIDER, R.; WILLENEGGER,
H.:** In: Manual of internal fixation. Techniques recommended by the
A.O. group. 2nd. edition. p.104. Berlin. Springer. 1979.

MULLER, M. E.; NAZARIAN, P.; KOCH, P; AND SCHATZKER, J.:
The comprehensive classification of Fractures of long Bones. Springer-
Verlag, Berlin-Heidelberg-New York, 1990.

NAGANO, J.; HOELTZEL, D.A.; SIMON, F.D.; AND GUSTILO, R.B.:
The rotational and bending stability of intramedullary nailing in distal
fourth tibial fractures.

Trans. Orthop. Res. Soc. 8: 305. 1983.

Quoted from Tarr and Wiss. 1986.

NELSON, G.E.; KELLY, P.J.; PETERSON, L.F.A.; AND JANES, J.M.:
Blood supply of the human tibia.

J. Bone and Joint Surg., 42-A: 625.1960.

NICOLL, E.A.: Closed and open management of tibial fractures.

Clin.Orthop., 105:144,1974 .

NICOLL, E.A.: Fractures of the tibial shaft . A survey of 705 cases .

J. Bone and Joint Surg., 46-B: 373, 1964 .

OESTERN, H.J.; AND SCHERNE,H.: Pathophysiology and classi-
fication of soft tissue injuries associated with fractures. In Fractures with
soft tissue injuries, P. 1-9 Edited by H. Tscherne and L.Gotzen. Berlin,
Springer, 1984 .

OLERUD,S.: The effects of intramedullary reaming. In : The science
and practice of intramedullary nailing, edited by B.D. Browner and C.C
Edwards. P.61 philadelphia,Lea and febiger,1987 .

ONI,O.A; HUI, A., AND GREGG, P.J.: The healing of closed tibial shaft
fractures, the natural history of union with closed treatment.

J.Bone and Joint Surg.,70.B:787,1988 .

PUNO, R.M., ; TEYNOR, J.T., NAGANO, J.; AND GUSTIILLO, R.B.:
Critical analysis of results of treatment of 201 tibial shaft fractures.

Clin Orthop., 212 :113,1986

RAND, J.A.; CHAO, E.Y. AND KELLY P.J.: Acomparision of the effect of open intramedullary nailing and compression plate fixation on fracture site blood flow and fracture union.

J.Bone and joint surg., 63-A:427,1981.

REICHERT, I.L.; MC CARTHY, I.D.; AND HUGHES, S.P.F : The acute Vascular response to intramedullary nailing : microsphere estimation of blood flow in the intact ovine tibia.

J.Bone and Joint surg., 77-B:490,1995.

REIKERAS, O.; SKJELDAHL, S., AND GROGAARD, B.: Mechanical effects of intramedullary reaming on the healing of nailed femoral fractures in rats.

Acta Orthop. Scand. 59 (suppl. 227) : 14,1988 .

REINDERS,J.; AND MOCKWITZ, J.: Technical faults and complications in interlocking nailing of femoral and tibial fractures .

Acta orthop. Belgica, 50(5) : 577,1984.

Quoted from kempf et al.,1986.

RHINELANDER, F.W., GRACILIA, R.V.; PHILLIPS, R.S.; AND STEEL, W.M.: Microangiography in bone healing. III. Osteotomies with internal fixation. *Proc. Am. Acad. Orthop. Surg.*

J. Bone and Joint Surg., 49-A: 1006, 1967.

RHINELANDER, F.W.: Circulation in bone. Chap.1. Vol.II. In: *The biochemistry and physiology of bone.* edited by Bourne, 2nd. edition. New York and London, Academic Press. 1972.

Quoted from Rhinelander, 1980.

RHINELANDER, F.W.: Effects of medullary nailing on the normal blood supply of diaphyseal cortex. AAOS instructional course lectures. Vol.XXII. p.161-187. St. Louis. C.V. Mosby Co1973.

Quoted from Rhinelander, 1980.

RHINELANDER, F.W.: Some aspects of the microcirculation of healing bone.

Clin. Orthop., 40: 12, 1965

RHINELANDER, F.W.: The blood supply of the limb bones. In: Scientific foundations of orthopaedics and traumatology. edited by R. Owen, J. Goodfellow. and P. Bullough. P.126-151. London. William Heinemann Medical Books Limited, 1980.

RHINELANDER, F.W.: The normal microcirculation of diaphyseal cortex and its response to fracture.

J. Bone and Joint Surg., 50-A: 784 (AAOS Instructional Course Lecture), 1968.

RHINELANDER, F.W.: Tibial blood supply in relation to fracture healing.

Clin. Orthop., 105:34, 1974

RHINELANDER, F.W.; AND BARAGRY, R. A.: Microangiography in bone healing. Undisplaced closed fractures.

J. Bone and Joint Surg., 44-A: 1273, 1962.

RHINELANDER, F.W.; AND WILSON, J.W.: Blood supply to Developing. mature and healing bone. In: The biological basis of clinical orthopaedics. Philadelphia. W.B. Saunders Company. 1979.

Quoted from Rhinelander. 1980.

ROLLINS, D.L.; BERNHARD, V.M.; AND TOWNE, J.B.: Fasciotomy: an appraisal of controversial issues.

Arch Surg., 116:1474, 1981.

Quoted from.?????

RORABECK, C.H.: The treatment of compartment syndromes of the leg.

J. Bone and Joint Surg., 66-B:93, 1984.

RORABECK, C.H.; AND MC KENZIE, F.H. : Vascular injuries and compartment syndromes associated with fractures of the Femur and tibia In: Seligson D,ed. *concepts in intramedullary nailing*. Orlando: Grune & stratton : 101 - 120, 1985.

ROSENTHAL, R.E.: Non-union in open tibial fractures.

J.Bone and Joint Surg., 59-A :244,1977 .

RUEDE, T.; WEBB, J.K. AND ALLGOWER, M.: Experience with the dynamic compression plate (DCP) in 418 recent fractures of the tibial shaft.

Injury, 7:252,1976 .

RUGGIERI, F.; ZINGHI, G.F., LANFRANCHI, R.: Delayed closed endomedullary osteosynthesis in complicated fractures of the femur and tibia.

Ital. J. Orthop. Traumatol 3,(3) : 349.1977.

Quoted from Bucholz et al.,1987.

SAEGESSER, F.; CHAPUIS, G.; AND BOUMGHAR, M.: Les fractures multifocales De jambes.

J.de Chir ,90:33,1965.

Quoted from zucman and Maurer, 1969.

SAMMARCO, J.; BURSTEIN, A.; DAVIS, W.; AND FRANKEL, V.: The biomechanics of torsional fractures. The effect of loading on ultimate properties.

J. Biomech., 4: 113, 1971.

SANTORO, V.; HENLEY M.; BENIRSCHKE, S.; AND MAYO, K.: Prospective comparison of unreamed interlocking intramedullary nail vs half pin external fixation and open tibial fractures [abstract].

J. Orthop. Trauma,5:238,1991 .

SARMIENTO,A.: A functional below-the -knee cast for tibial fractures.

J. Bone and Joint Surg., 49-A:855,1967 .

SARMIENTO, A.; GERSTEN, L.M.; SOBOL, P.A.; AND VANGSNESS, C.T. : Tibial shaft fractures treated with functional brace. Experience with 780 fractures.

J. Bone and Joint Surg., 71-B:602, 1989.

SARMIENTO, A.: A functional below knee brace for tibial fractures.

J. Bone and Joint Surg., 52-A:295, 1970 .

SCHEMITSCH, E.H. ; KOWALSKI, M., SENFT, D.C.; AND SWIONT-KOWSKI, M.F.: Acute effects of reamed versus unreamed locked nailing on blood flow in a fractured sheep tibial model.

J. Orthop. Trauma, 7:161, 1993 .

SCHWARTZ, J.T.; BRUMBACK, R.J.; AND LAKATOS, R.: Acute compartment syndrome of the thigh, a spectrum of injury.

J. Bone and Joint Surg., 71-A:392, 1989 .

SHERIDAN, G.W.; AND MASTEN, F.A.: Fasciotomy in the treatment of the acute compartment syndrome.

J. Bone and Joint surg., 58-A : 112, 1976.

SIMTH, J. W.: The structure and stress relation of fibrous epiphyseal plates.

J. Anat., 96, 209, 1962.

SKELLEY, J.W.; AND HARDY, A.E.: Results of bone grafts in the treatment of tibial shaft fractures.

Clin. Orthop., 158:108, 1981 .

SMITH, S.R.; KELLY, P.J.; AND BRONK, J. T.: Effect of fixation on fracture site blood flow.

Orthop. Trans., 12: 407, 1990 .

Quoted from Edge et al., 1992.

SPIEGEL, J.; BRAY, T.; CHAPMAN, M.; AND SWANSON, T.: The lottes nail versus AO external fixation in open tibia fractures.

Orthop. Trans 12:656, 1988 .

Quoted from Anglen et al., 1993.

STRACHEN, R.K.; MC CARTHY, I.; AND FLEMING R., HUGE, S. P.:
The role of the tibial nutrient artery .

J. Bone and Joint Surg. ,72- B: 391, 1990.

TARR, R.R.; AND WISS, D.A.: The mechanics and biology of intramedullary fracture fixation.

Clin. Orthop., 212: 10, 1986.

TEMPLEMAN, D.C.; THOMAS, M.; VARECKA, T.F.; AND KYLE, R.F.:
Results of exchanged reaming intramedullary nails for severe tibial shaft fractures initially treated by non reamed nails [abstract].

J. Orthop. Trauma, 7:164, 1993 .

TENCER, A.F.; JOHNSON, K.D.; JOHNSTON, D.W.; AND GILL, K.: A biomechanical comparison of various methods of stabilization of subtrochanteric fractures of the femur.

J. Orthop. Res. 2(3) 297, 1984 .

THUNOLD, J.; VARHAUG, J.E.; AND BJERKESET, T.: Tibial shaft fractures treated by rigid internal fixation : the early results in a 4-years series.

Injury 7,:125, 1975 .

TISCHENKO, G.J.; AND GOODMAN, S.B.: Compartment syndrome after intramedullary nailing of the tibia.

J. Bone and Joint Surg., 72-A:41, 1990 .

TORNETTA, P.; BERGMAN, M.; WATNIK, N.; STEUER, J.; KELLEY, M.; AND YANG, E.: Pilon fractures: Treatment with combined internal and external fixation.

J. Orthop. Trauma, 7:489, 1993 .

TORNETTA, P.; AND BARBERA, C. : Severe heterotopic bone formation in the knee after tibial intramedullary nailing.

J.Orthop. Trauma, 6(1):113,1992 .

TRAFTON, P.G.: Closed unstable fractures of the tibia

Clin Orthop., 230:58,1988 .

TRIAS, A.; AND FERY, A.: Cortical circulation of long bones .

J. Bone and Joint Surg., 61 A: 1052,1979 .

TRUETTA, J. Blood supply and the rate of healing of tibial fractures.

Clin. Orthop.,105: 26,1974 .

TRUETTA, J.: Vascular changes caused by the kuntscher type of nailing. An experimental study in the rabbit.

J. Bone and Joint Surg., 37-B:492,1995 .

VANDER LINDEN, W.; AND LARSSON, K.: Plate fixation versus conservative treatment of tibial shaft fractures: a randomized trial.

J.Bone and Joint Surg., 61-A:873,1979 .

VELAZCO,A.; WHITESIDES, T.E.; AND FLEMING,L.L.: Open fractures of the tibia treated with the lottes nail

J.Bone and joint surg, 65-A:879,1983

WARWICK, R.; AND WILLIAMS, P.: Gray's anatomy, 35 th edition, P 366-371, 1973.

WEISSMAN, S.L.; HEROLD, H.Z.; AND ENGELBERG, M. : Fractures of the middle two-thirds of the tibial shaft. Results of treatment without internal fixation in 140 consecutive case.

J.Bone and Joint Surg., 48-A : 257,1966.

WHITE, A.A. : Fracture treatment, the still unsolved problem.

Clin.Orthop., 106:279,1975.

WHITESIDES, T.E.; HANEY, T.C.; MORIMOTO, K.; AND HARADA, H:
Tissue pressure measurements as a determinant for the need of fasciotomy.

Clin. Orthop., 113:43, 1975.

WISS, D.A.: Flexible medullary nailing of acute tibial shaft fractures.

Clin. Orthop., 212:122, 1986

WATSON, J.T. : Treatment of unstable fractures of the shaft of the tibia.

J. Bone and Joint Surg., A-76:1575, 1994.

WRIGHT, J.G.; BOGOCH, E.R.; AND HASTINGS, D.E. : The "occult" compartment syndrome.

J. Trauma, 29:133, 1989.

ZINGHI, G.F.; SPECCHIA, L.; MONTANARI, G.; AND BRUSCOLI, R. :
The Grosse-Kempf locked nail in the treatment of diaphyseal and metadiaphyseal fractures of the tibia.

Ital. J. Orthop. Traumatol., 12(3):365, 1986.

Quoted from Keating et al., 1995.

ZUCMAN, J.; AND MAURER, P.: Primary medullary nailing of the tibia for fractures of the shaft in adults.

Injury 2:84, 1970.

ZUCMAN, J.; AND MAURER, P.: Two-level fractures of the tibia results in 36 cases treated by blind nailing.

J. Bone and Joint Surg., 51-B: 686, 1969.