

Vollständige Literatur zu Christian von Rüden et al.: Die Rolle des Weichteilschadens bei der Frakturbehandlung OUP 05-2017

Literatur

- Tu YK, On Tong G, Wu CH, Sananpanich K, Kakinoki R: Soft-tissue injury in orthopaedic trauma. *Injury* 2008; 39 Suppl 4: 3–17
- Jordan DJ, Malahias M, Khan W, Hindocha S: The ortho-plastic approach to soft tissue management in trauma. *Open Orthop J* 2014; 8: 399–408
- Rittmann WW, Schibli M, Matter P, Allgower M: Open fractures. Long-term results in 200 consecutive cases. *Clin Orthop Relat Res* 1979; 138: 132–140
- Harry LE, Sandison A, Pearse MF, Paleolog EM, Nanchahal J: Comparison of the vascularity of fasciocutaneous tissue and muscle for coverage of open tibial fractures. *Plast Reconstr Surg* 2009; 124: 1211–1219
- Jaeger M, Maier D, Kern WV, Südkamp NP: Antibiotics in trauma and orthopedic surgery – a primer of evidence-based recommendations. *Injury* 2006; 37 Suppl 2: S74–80
- Court-Brown CM, Rimmer S, Prakash U, McQueen MM: The epidemiology of open long bone fractures. *Injury* 1998; 29: 529–534
- Gustilo RB, Mendoza RM, Williams DN: Problems in management of type III (severe) open fractures a new classification of type III open fractures. *J Trauma* 1984; 24: 742–746
- Tscherne H, Oestern HJ: Die Klassifizierung des Weichteilschadens bei offenen und geschlossenen Frakturen. *Unfallheilkunde* 1982; 85: 111–115
- Gregory RT, Gould RJ, Peclat M, Wagner JS et al.: The mangled extremity syndrome: a severity grading system for multisystem injury of the extremity. *J Trauma* 1985; 25: 1147–1150
- Johansen K, Daines M, Howey T, Helfet D, Hansen ST Jr: Objective criteria accurately predicts amputation following lower extremity trauma. *J Trauma* 1990; 30: 568–573
- Howe HR Jr, Poole GV Jr, Hansen KJ et al.: Salvage of lower extremities following combined orthopedic and vascular trauma. A predictive salvage index. *Am Surg* 1987; 53: 205–208
- Russell WL, Sailors DM, Whittle TB, Fisher DF Jr, Burns RP: Limb salvage versus traumatic amputation. A decision based on a seven-part predictive index. *Ann Surg* 1991; 213: 473–481
- McNamara MG, Heckman JD, Corley FG: Severe open fractures of the lower extremity. A retrospective evaluation of the Mangled Extremity Severity Score (MESS). *J Orthop Trauma* 1994; 8: 81–87
- Ruedi TP, Buckley RE, Moran CG: AO Principles of Fracture Management. Vol 1-Principles 2nd Exp Ed. AO Publishing 2007: 91–111
- Byrd HS, Spicer TE, Cierny G: 3rd Management of open tibial fractures. *Plast Reconstr Surg* 1985; 76(5): 719–728
- Bosse MJ, MacKenzie EJ, Kellam JF et al.: A prospective evaluation of the clinical utility of the lower-extremity injury-severity scores. *J Bone Joint Surg Am* 2001; 83: 3–14
- Gustilo RB, Anderson JT: Prevention of infection in the treatment of one thousand and twenty-five open fractures of long bones retrospective and prospective analyses. *J Bone Joint Surg Am* 1976; 58: 453–458
- Gustilo RB, Gruninger RP, Davis T: Classification of type III (severe) open fractures relative to treatment and results. *Orthopedics* 1987; 10: 1781–1788
- Esterhai JL Jr, Queenan J: Management of soft tissue wounds associated with type III open fractures. *Orthop Clin North Am* 1991; 22: 427–432
- Gustilo RB, Merkow RL, Templeman D: The management of open fractures. *J Bone Joint Surg Am* 1990; 72: 299–304
- Standards for the management of open fractures of the lower limb, a short guide. Guidelines Ed 1, Sept 2009, British Orthopedic Association, British Association of Plastic Reconstructive and Aesthetic Surgeons
- Advanced Trauma Life Support (ATLS) for Doctors (2012). American College of Surgeons Committee on Trauma. 9th ed. Chicago/IL
- Kragh JF, O'Neill ML, Beebe DF et al.: Survey of the indications for use of emergency tourniquets. *J Spec Oper Med* 2011; 11: 30–38
- Rogers DM, Blouin GS, O'Leary JP: Povidone-iodine wound irrigation and wound sepsis. *Surg Gynecol Obstet* 1983; 157: 426–430
- Covey DC: Blast and fragment injuries of the musculoskeletal system. *J Bone Joint Surg Am* 2002; 84: 1221–1234
- Lerner A, Reis D, Soudry M: Severe injuries to the limbs. Staged treatment. Berlin, Heidelberg, New York: Springer; 2007, 233
- Yang EC, Eisler J: Treatment of isolated type I open fractures: is emergent operative debridement necessary. *Clin Orthop Relat Res* 2003; 410: 289–294
- Zalavras CG, Patzakis MJ: Open fractures evaluation and management. *J Am Acad Orthop Surg* 2003; 11: 212–219
- Roberts CS, Pape HC, Jones AL, Malkani AL, Rodriguez JL, Giannoudis PV: Damage control orthopaedics: evolving concepts in the treatment of patients who have sustained orthopaedic trauma. *Instr Course Lect* 2005; 54: 447–462
- Tuttle MS, Smith WR, Williams AE et al.: Safety and efficacy of damage control external fixation versus early definitive stabilization for femoral shaft fractures in the multiple-injured patient. *J Trauma* 2009; 67: 602–605
- Taeger G, Ruchholtz S, Waydhas C, Lewan U, Schmidt B, Nast-Kolb D: Damage control orthopedics in patients with multiple injuries is effective, time saving, and safe. *J Trauma* 2005; 59: 409–416
- Harwood PJ, Giannoudis PV, Probst C, Krettek C, Pape HC: The risk of local infective complications after damage control procedures for femoral shaft fracture. *J Orthop Trauma* 2006; 20: 181–189
- Kindsfater K, Jonassen EA: Osteomyelitis in grade II and grade III open tibia fractures with late debridement. *J Orthop Trauma* 1995; 9: 121–127
- Naique SB, Pearse M, Nanchahal J: Management of severe open tibial fractures the need for combined orthopaedic and plastic surgical treatment in specialist centres. *J Bone Joint Surg Br* 2006; 88: 351–357
- Singh J, Rambani R, Hashim Z, Raman R, Sharma HK: The relationship between time to surgical debridement and incidence of infection in grade III open fractures. *Strategies Trauma Limb Reconstr* 2012; 7: 33–37
- Pollak AN, Jones AL, Castillo RC, Bosse MJ, MacKenzie EJ, LEAP Study Group: The relationship between time to surgical debridement and incidence of infection after open high-energy lower extremity trauma. *J Bone Joint Surg Am* 2010; 92: 7–15
- Webb LX, Bosse MJ, Castillo RC, MacKenzie EJ, LEAP Study Group: Analysis of surgeon-controlled variables in the treatment of limb-threatening type-III open tibial diaphyseal fractures. *J Bone Joint Surg Am* 2007; 89: 923–928
- Harley BJ, Beaupre LA, Jones CA, Dulai SK, Weber DW: The effect of time to definitive treatment on the rate of non-

- union and infection in open fractures. *J Orthop Trauma* 2002; 16: 484–490
39. Ashford RU, Mehta JA, Cripps R: Delayed presentation is no barrier to satisfactory outcome in the management of open tibial fractures. *Injury* 2004; 35: 411–416
40. Skaggs DL, Friend L, Alman BM et al.: The effect of surgical delay on acute infection following 554 open fractures in children. *J Bone Joint Surg Am* 2005; 87: 8–12
41. Schenker ML, Yannascoli S, Baldwin KD, Ahn J, Mehta S: Does timing to operative debridement affect infectious complications in open long-bone fractures? A systematic review. *J Bone Joint Surg Am* 2012; 94: 1057–1064
42. Pfeifer R, Pape HC: Diagnostik und Versorgungsstrategien beim polytraumatisierten Patienten. *Chirurg* 2016; 87(2): 165–173
43. Lee JJ, Patel R, Biermann JS, Dougherty PJ: The musculoskeletal effects of cigarette smoking. *J Bone Joint Surg Am* 2013, 95: 850–859
44. White CB, Turner NS, Lee GC, Haidukewych GJ: Open ankle fractures in patients with diabetes mellitus. *Clin Orthop Relat Res* 2003; 414: 37–44
45. Gabel G, Pyrc J Hinterseher I, Zwipp H, Saeger HD, Bergert H: Arterial injuries combined with open fractures – management and therapy. *Zentralbl Chir* 2009; 134: 292–297
46. Schlickewei W, Kuner EH, Mullaji AB, Gotze B: Upper and lower limb fractures with concomitant arterial injury. *J Bone Joint Surg Br* 1992; 74(2): 181–188
47. Gümbel D, Naundorf M, Napp M, Ekkernkamp A, Seifert J: Diagnostik und Management peripherer Gefäßverletzungen. *Unfallchirurg* 2014; 117: 445–459
48. Pape HC, Giannoudis P, Krettek C: The timing of fracture treatment in polytrauma patients: relevance of damage control orthopedic surgery. *Am J Surg* 2002; 183: 622–629
49. Blick SS, Brumback RJ, Poka A, Burgess AR, Ebraheim NA: Compartment syndrome in open tibial fractures. *J Bone Joint Surg Am* 1986; 68: 1348–53
50. World Society for Abdominal Compartment Syndrome Consensus: Definitions and Recommendations. <http://www.wsacs.org>
51. Weitz-Marshall AD, Bosse MJ: Timing of closure of open fractures. *J Am Acad Orthop Surg* 2002; 10: 379–384
52. Labler L, Trentz O: The use of vacuum assisted closure (VAC) in soft tissue injuries after high energy pelvic trauma. *Langenbecks Arch Surg* 2007; 392: 601–609
53. Labler L, Mica L, Härter L, Trentz O, Keel M: Influence of V.A.C.-therapy on cytokines and growth factors in traumatic wounds. *Zentralbl Chir* 2006; 131 Suppl 1: S62–67
54. von Rüden C, Benninger E, Mayer D, Trentz O, Labler L: Bogota-VAC – A Newly Modified Temporary Abdominal Closure Technique. *Eur J Trauma Emerg Surg* 2008; 34: 582–586
55. Patzakis MJ, Harvey JP Jr, Ivler D: The role of antibiotics in the management of open fractures. *J Bone Joint Surg Am* 1974; 56: 532–541
56. Lack WD, Karunakar MA, Angerame MR et al.: Type III Open Tibia Fractures: Immediate Antibiotic Prophylaxis Minimizes Infection. *J Orthop Trauma* 2015; 29: 1–6
57. Wacha H, Hoyme U, Isenmann R et al.: Perioperative Antibiotika-Prophylaxe. Empfehlungen einer Expertenkommission der Paul-Ehrlich-Gesellschaft für Chemotherapie e.V. *Chemother J* 2010; 19: 70–84
58. Rhee P, Nunley MK, Demetriades D, Velmahos G, Doucet JJ: Tetanus and trauma: a review and recommendations. *J Trauma* 2005; 58: 1082–1088
59. http://www.rki.de/DE/Content/Infekt/EpidBull/Merkblaetter/Ratgeber_Tetanus.html#doc2398266bodyText16