

CURRICULUM VITAE



NAME: Georg Gradl, M.D.

Director, Univ. Professor Orthopedic Surgery
Clinic for Trauma, Orthopedic Surgery, Spine Surgery
Starnberger Hospital Group, Germany

Member of the German Society of Surgeons

Member of the German Society of Traumatology and Orthopedics

Past Member German Society of Plastic and Reconstructive Surgery

President Kuntscher Society

DATE OF BIRTH: January 18th, 1969 Munich / Germany

CAREER: **April 2023**
Director
Clinic for Trauma, Orthopedic Surgery, Spine Surgery
Starnberger Hospital Group, Germany

January 2014 - March 2023
Director
Clinic for Trauma, Orthopedic Surgery, Hand and Reconstructive Surgery, Spine Surgery
Munich Municipal Hospital Group, Germany

March, 2011 – December 2013
Deputy Director
Department of Trauma Hand and Reconstructive Surgery
Spine Surgery
University of Rostock, Germany

April 2011

Univ. Professor Orthopedic Surgery

Department of Trauma, Hand and Reconstructive Surgery

Spine Surgery

University of Rostock

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2000 – 2011

Assistant Medical Director

Department of Trauma, Hand and Reconstructive Surgery

University of Rostock

Germany

1995 – 2000

Junior Doctor Trauma

Surgical Clinic Munich Großhadern

University of Munich, Germany

1998 – 1999

Junior Doctor Trauma

Department of Trauma and Orthopedic Surgery

University Clinic, Kantonsspital Basel, Swiss

1989 – 1995

School of Medicine Ludwig Maximilian University

Munich Germany

Medical Examination: May 1995

MEDICAL SPECIALISATION:

SPINE SURGERY

TRAUMA, MULTIPLE TRAUMA

CORRECTIVE SURGERY, MALUNIONS, DELAYED UNIONS

FOOT SURGERY, HINDFOOT, CHARCOT/DIABETES

ARTHROPLASTY (HIP, KNEE, SHOULDER, ELBOW, ANKLE)

REVISION ARTHROPLASTY

PAST CONGRESS PRESIDENCIES

INSPIRATION SPINE MEETING 2014, DUBROVNIK, CROATIA, MAY 2014
FIRST BULGARIAN MIS SYMPOSIUM , SOFIA JAN 2014
SECOND NORTH GERMAN SPINE SEMINAR, KÜHLUNGSBORN NOV 2013
FIRST NORTH GERMAN SPINE SEMINAR, KÜHLUNGSBORN NOV 2012
OSTEOSYNTHESE INTERNATIONAL, ANNUAL CONGRESS SEPT 2012

SCIENTIFIC HISTORY

PATENTS

1. **Georg Gradl:** System for fixation of bones. DE Nr. 10124994.
2. **Georg Gradl:** System for the minimally invasive fixation of fractures, especially a proximal humerus fracture or femur fracture. DE Nr. 10348932, PCT-Patent Nr.: WO 2005/03711
3. **Georg Gradl:** Intramedullary Device. European Patent Nr. 1330988131.
4. **Georg Gradl:** Bone Enhancement Substance. PCT/DE2007/001853, EP 07817688.0, US 12/445,635
5. **Georg Gradl:** Osmotic Dressing. DE 10 2006 048 833.4 , PCT/DE 2007/001853, US 12/445,63
6. **Georg Gradl:** Vertebral Body Replacement with Mobile Endplate. DE 102006030124, EP 1872 748 A1, AM 11/823,467
7. **Gradl G:** Artificial Joint. DE 10 2007 053 362.6, PCT/EP 2008/065018
8. **Gradl G:** Polyaxial Screw. DE 10 2008 043370.5, PCT/EP2009/063981
9. **Gradl G:** Suture Anchor. DE 10 2009 05239.4
10. **Gradl G:** Treatment of Degenerative Joint Disease. DE 10 2009 050 851.1
11. **Gradl G:** Reduction Device. DE 10 2009 030 622.6,

ORIGINAL PUBLICATIONS (MEDLINE LISTET)

1. Falk SI, Maksimow A, Mittlmeier T, **Gradi G**. Does access through the pronator quadratus influence pronation strength in palmar plate fixation of distal radius fractures in elderly patients? March 2023, Archives of Orthopaedic and Trauma Surgery. DOI:10.1007/s00402-023-04847-5
2. Falk SI, Mittlmeier P, **Gradi G**. Residual dorsal displacement following surgery in distal radial fractures: A cause for trouble? July 2022, European Journal of Trauma and Emergency Surgery DOI:10.1007/s00068-022-02061-3
3. Herlyn A, Brakelmann A, Herlyn P, **Gradi G**. Calcaneal fracture fixation using a new interlocking nail reduces complications compared to standard locking plates – Preliminary results after 1.6 years. August 2019, Injury 50 Suppl 3(Suppl 1)DOI:10.1016/j.injury.2019.07.015
4. Friedl W, **Gradi G**. Nailing of lower extremity fractures. August 2019 Injury 50 Suppl 3 (June Suppl. 1). DOI:10.1016/j.injury.2019.07.007
5. Gutteck N, Martin H, Hanke T, Matthies JB, Heilmann A, Kielstein H, **Gradi G**, Delank KS, Wohlrab D. Posterolateral plate fixation with Talarlock® is more stable than screw fixation in ankle arthrodesis in a biomechanical cadaver study. Foot Ankle Surg. 2018 Jun;24(3):208-212. doi: 10.1016/j.fas.2017.02.005. Epub 2017 Feb 20
6. Falk Steffi I, Mittlmeier T, **Gradi G**. Results of geriatric distal radius fractures treated by intramedullary fixation. Injury. 2016 Dec;47 Suppl 7:S31-S35. doi: 10.1016/S0020-1383(16)30851-8.
7. Gradi G, Falk S, Mittlmeier T, Wendt M, Mielsch N, **Gradi G**. Fixation of intra-articular fractures of the distal radius using intramedullary nailing: a randomized trial versus palmar locking plates. Injury. 2016 Dec;47 Suppl 7:S25-S30. doi: 10.1016/S0020-1383(16)30850-6.
8. Lange M, Brandt D, Mittlmeier T, **Gradi G**. Proximal humeral fractures: non-operative treatment versus intramedullary nailing in 2-, 3- and 4-part fractures. Injury. 2016 Dec;47 Suppl 7:S14-S19. doi: 10.1016/S0020-1383(16)30848-8.
9. **Gradi G**. Focus on upper extremity nailing - risk or benefit? Injury. 2016 Dec;47 Suppl 7:S1-S2. doi: 10.1016/S0020-1383(16)30844-0.
10. Eschler A, Roepenack P, Roesner J, Herlyn PK, Martin H, Reichel M, Rotter R, Vollmar B, Mittlmeier T, **Gradi G**. Cementless Titanium Mesh Fixation of Osteoporotic Burst Fractures of the Lumbar Spine Leads to Bony Healing: Results of an Experimental Sheep Model. Biomed Res Int. 2016;2016:4094161. doi: 10.1155/2016/4094161.
11. Eschler A, **Gradi G**, Wussow A, Mittlmeier T. Prediction of complications in a high-risk cohort of patients undergoing corrective arthrodesis of late stage Charcot deformity based on the PEDIS score. BMC Musculoskelet Disord. 2015 Nov 14;16:349. doi: 10.1186/s12891-015-0809-6.
12. Eschler A, Röpenack P, Herlyn PK, Roesner J, Pille K, Büsing K, Vollmar B, Mittlmeier T, **Gradi G**. The standardized creation of a lumbar spine vertebral compression fracture in a sheep osteoporosis model induced by ovariectomy,

- corticosteroid therapy and calcium/phosphorus/vitamin D-deficient diet. *Injury*. 2015 Oct;46 Suppl 4:S17-23. doi: 10.1016/S0020-1383(15)30014-0.
13. Eschler A, Roepenack P, Herlyn PK, Roesner J, Martin H, Vollmar B, Mittlmeier T, **Gradi G**. Intrabody application of eptoterminal alpha enhances bone formation in osteoporotic fractures of the lumbar spine; however, fails to increase biomechanical stability - results of an experimental sheep model. *Growth Factors*. 2015;33(4):290-7. doi: 10.3109/08977194.2015.1077827.
 14. Eschler A, **Gradi G**, Wussow A, Mittlmeier T. Late corrective arthrodesis in nonplantigrade diabetic charcot midfoot disease is associated with high complication and reoperation rates. *J Diabetes Res*. 2015;2015:246792. doi: 10.1155/2015/246792. Epub 2015 Apr 27
 15. Eschler A, Ender SA, Schiml K, Mittlmeier T, **Gradi G**. Correction: bony healing of unstable thoracolumbar burst fractures in the elderly using percutaneously applied titanium mesh cages and a transpedicular fixation system with expandable screws. *PLoS One*. 2015 Apr 7;10(4):e0124591. doi: 10.1371/journal.pone.0124591. eCollection 2015. No abstract available
 16. Wichelhaus A, Wendt M, Mielsch N, **Gradi G**, Mittlmeier T. Manifestation of Dupuytren nodules following fracture of the distal radius. *Handchir Mikrochir Plast Chir*. 2015 Feb;47(1):38-43. doi: 10.1055/s-0034-1398660. Epub 2015 Feb 11. German.
 17. Eschler A, Ender SA, Ulmar B, Herlyn P, Mittlmeier T, **Gradi G**. Cementless fixation of osteoporotic VCFs using titanium mesh implants (OsseoFix): preliminary results. *Biomed Res Int*. 2014;2014:853897. doi: 10.1155/2014/853897. Epub 2014 Jun 2
 18. Eschler A, Rösler K, Rotter R, **Gradi G**, Mittlmeier T, Gierer P. Acromioclavicular joint dislocations: radiological correlation between Rockwood classification system and injury patterns in human cadaver species. *Arch Orthop Trauma Surg*. 2014 Jul 4. [Epub ahead of print]
 19. **Gradi G**. Intramedullary nailing of long bone fractures: sixty years of evolution but what the future holds? *Injury*. 2014 Jan;45 Suppl 1:S1-2. doi: 10.1016/j.injury.2013.10.046. Epub 2013 Nov 2. No abstract available.
 20. Ender SA, **Gradi G**, Ender M, Langner S, Merk HR, Kayser R. Osseofix® system for percutaneous stabilization of osteoporotic and tumorous vertebral compression fractures - clinical and radiological results after 12 months. *Rofo* 2014.
 21. N, Lebek S, Zeh A, **Gradi G**, Delank KS, Wohlrab D. Ankle arthrodesis with a posterolateral approach using a polyaxial angle stable Talarlock® plate]. *Oper Orthop Traumatol*. 2013 Dec;25(6):615-23. doi: 10.1007/s00064-013-0253-4. Epub 2013 Dec 6
 22. Eschler A, Wussow AK, Ulmar B, Mittlmeier T, **Gradi G**. Intramedullary medial column support with the Midfoot Fusion Bolt (MFB) is not sufficient for osseous healing of arthrodesis in neuroosteoarthropathic feet. *Injury*. 2014 Jan;45 Suppl 1:S38-43. doi: 10.1016/j.injury.2013.10.037. Epub 2013 Nov 1
 23. **Gradi G**, Lenz S, Friebe U, Gierer P, Herlyn P, Mittlmeier M. Fracture near press on interlocking enhances callus mineralization in a midshaft tibia osteotomy model and nail fixation in sheep. *Injury*. 2014 Jan;45 Suppl 1:S66-70. doi: 10.1016/j.injury.2013.10.028. Epub 2013 Oct 28

24. Gradl G, Mielsch N, Wendt M, Falk S, Mittlmeier T, Gierer P, **Gradl G**. Intramedullary nail versus volar plate fixation of extraarticular distal radius fractures. Two year results of a prospective randomized trial. *Injury*. 2014 Jan;45 Suppl 1:S3-8. doi: 10.1016/j.injury.2013.10.045. Epub 2013 Nov 4
25. Gierer P, Laue F, Hoffmann JN, Rotter R, Mittlmeier T, **Gradl G**, Vollmar B. Antithrombin reduces inflammation and microcirculatory perfusion failure in closed soft-tissue injury and endotoxemia. *Crit Care Med*. 2013 Mar;41(3):867-73. doi: 10.1097/CCM.0b013e3182742d2c. (IF: 6,34)
26. Eschler A, Brandt S, Gierer P, Mittlmeier T, **Gradl G**. Angular stable multiple screw fixation (Targon FN) versus standard SHS for the fixation of femoral neck fractures. *Injury*. 2014 Jan;45 Suppl 1:S76-80. doi: 10.1016/j.injury.2013.10.026. Epub 2013 Oct 28
27. **Gradl G**, Gradl G, Wendt M, Mittlmeier T, Kundt G, Jupiter JB. Non-bridging external fixation employing multiplanar K-wires versus volar locked plating for dorsally displaced fractures of the distal radius. *Arch Orthop Trauma Surg*. 2013 Feb 19. [Epub ahead of print] (IF: 1,37)
28. **Gradl G**, Herlyn P, Finke B, Gierer P, Wree A, Witt M, Mittlmeier T, Vollmar B. A pan-caspase inhibitor reduces myocyte apoptosis and neuropathic pain in rats with chronic constriction injury of the sciatic nerve. *Anesth Analg*. 2013 Jan;116(1):216-23. doi: 10.1213/ANE.0b013e31826e0fe0. Epub 2012 Dec 7. (IF: 3,29)
29. Beck M, Rotter R, **Gradl G**, Herlyn P, Kröber M, Mittlmeier T, Gierer P. Reliability and consequences of intraoperative 3D imaging to control positions of thoracic pedicle screws. *Arch Orthop Trauma Surg*. 2012 Oct;132(10):1371-7. Epub 2012 Jun 15. (IF: 1,75). (IF: 1,37)
30. Gradl G, Seetz C, Morlock M, Sellenschloh K, Gradl G, Püschel K, Mittlmeier T, **Gradl G**. The DHS principle in the fixation of humeral head fracture. A combined anatomical and biomechanical study. *Injury*. 2012;43(6):734-8. (IF: 2,27)
31. Eschler A, **Gradl G**, Gierer P, Mittlmeier T, Beck M. Hook plate fixation for acromioclavicular joint separations restores coracoclavicular distance more accurate than PDS augmentation, however presents with a high rate of acromial osteolysis. *Arch Orthop Trauma Surg* 2012;132(1):33-9. (IF:1,37)
32. Burkhart KJ, Nowak TE, **Gradl G**, Klitscher D, Mehling I, Mehler D, Mueller LP, Rommens PM. Intramedullary nailing vs. palmar locked plating for unstable dorsally comminuted distal radius fractures: a biomechanical study. *Clin Biomech (Bristol, Avon)*. 2010 Oct;25(8):771-5. (IF: 1,75)
33. Gierer P, Röther J, Mittlmeier T, Gradl G, Vollmar B. Ebselen reduces inflammation and microvascular perfusion failure after blunt skeletal muscle injury of the rat. *J Trauma*. 2010;68:853-8. (IF: 1,429)
34. Beck M, Mittlmeier T, Gierer P, Rotter R, Harms C, **Gradl G**. Which is the ideal point of time to perform intraoperative 3D imaging in dorsal stabilisation of thoracolumbar spine fractures? A matched pair analysis. *Injury*. 2010 Feb 25. [Epub ahead of print] (IF: 1,95)
35. Herlyn P, Müller-Hilke B, Wendt M, Hecker M, Mittlmeier T, **Gradl G**. Frequencies of polymorphisms in cytokines, neurotransmitters and adrenergic receptors in patients with complex regional pain syndrome type I after distal radial fracture. *Clin J Pain*. 2010 Mar-Apr;26(3):175-81. (IF: 2,89)

36. Vogel T, **Gradi G**, Ockert B, Pellengahr CS, Schürmann M. Sympathetic dysfunction in long-term complex regional pain syndrome. *Clin J Pain*. 2010 Feb;26(2):128-31 (IF: 2,89)
37. Beck M, Mittlmeier T, Gierer P, Harms C, Rotter R, **Gradi G**. Intraoperative Position Determination of Bone Cement Trocars by 3-dimensional Imaging in Patients With Osteoporotic Vertebral Fractures. *J Spinal Disord Tech*. 2010 Jan 11. [Epub ahead of print] (IF: 1,36)
38. **Gradi G**, Wendt M, Gierer P, Beck M, Mittlmeier T. [Fixation of distal radial fractures with the Targon DR nail]. *Oper Orthop Traumatol*. 2009 Nov;21(4-5):472-83.
39. Windolf M, Schwieger K, Ockert B, Jupiter JB, **Gradi G**. A novel non-bridging external fixator construct versus volar angular stable plating for the fixation of intra-articular fractures of the distal radius-A biomechanical study. *Injury* 2009 Oct 8. [Epub ahead of print]. (IF: 1,95)
40. Gierer P, Scholz M, Beck M, Schaser KD, Vollmar B, Mittlmeier T, **Gradi G**. Microcirculatory sequelae of the rotator cuff after antegrade nailing in proximal humerus fracture. *Arch Orthop Trauma Surg*. 2009 Aug 13. [Epub ahead of print]. (IF: 0,96)
41. **Gradi G**, Dietze A, Käab M, Hopfenmüller W, Mittlmeier T. Is locking nailing of humeral head fractures superior to locking plate fixation? *Clin Orthop Relat Res*. 2009;467:2986-93. (IF: 1,89)
42. Benefit and accuracy of intraoperative 3D-imaging after pedicle screw placement: a prospective study in stabilizing thoracolumbar fractures. Beck M, Mittlmeier T, Gierer P, Harms C, **Gradi G**. *Eur Spine J*. 2009;18:1469-77. (IF: 2,40)
43. Beck M, Moritz K, Gierer P, **Gradi G**, Harms C, Mittlmeier T. Intraoperative control of pedicle screw position using three-dimensional fluoroscopy. A prospective study in thoracolumbar fractures. *Z Orthop Unfall*. 2009;147:37-42. (IF: 0,20)
44. Beck M, **Gradi G**, Gierer P, Rotter R, Witt M, Mittlmeier T. Treatment of complicated proximal segmental tibia fractures with the less invasive stabilization locking plate system. *Unfallchirurg*. 2008;111:493-8 (IF: 0,68)
45. Beck M, **Gradi G**, Gierer P, Rotter R, Witt M, Mittlmeier T. Treatment of complicated proximal segmental tibia fractures with the less invasive stabilization locking plate system. *Unfallchirurg* 2008;111:493-8. (IF: 0,56)
46. Gierer P, Hoffmann JN, Mahr F, Menger MD, Mittlmeier T, Gradi G, Vollmar B. Sublethal trauma model with systemic endotoxemia for the study of microcirculatory disorders after the second hit. *J Surg Res* 2008;147:68-74. (IF: 1,83)
47. Schoen M, Rotter R, Schattner S, Mittlmeier T, Claes L, Vollmar B, **Gradi G**. Introduction of a new interlocked intramedullary nailing device for stabilization of critically sized femoral defects in the rat: A combined biomechanical and animal experimental study. *J Orthop Res* 2008;26:184-9. (IF: 2,79)
48. **Gradi G**, Dietze A, Arndt D, Beck M, Gierer P, Börsch T, Mittlmeier T. Angular and sliding stable antegrade nailing (Targon PH) for the treatment of proximal humeral fractures. *Arch Orthop Trauma Surg* 2007;127:937-44. (IF: 0,91)
49. Schoen M, Rotter R, Gierer P, **Gradi G**, Strauss U, Jonas L, Mittlmeier T, Vollmar B. Ischemic preconditioning prevents skeletal muscle tissue injury, but not nerve lesion upon tourniquet-induced ischemia. *J Trauma* 2007;63:788-97. (IF: 2,33)

50. Schürmann M, **Gradi G**, Rommel O. Early diagnosis in post-traumatic complex regional pain syndrome. *Orthopedics* 2007;30:450-6. (IF: 0,58)
51. Gierer P, Hoffmann JN, Mahr F, Menger MD, Mittlmeier T, **Gradi G**, Vollmar B. Activated protein C reduces tissue hypoxia, inflammation, and apoptosis in traumatized skeletal muscle during endotoxemia. *Crit Care Med.* 2007;35:1966-71. (IF: 6,59)
52. Schürmann M, Zaspel J, Lohr P, Wizgall I, Tutic M, Manthey N, Steinborn M, **Gradi G**. Imaging in early posttraumatic complex regional pain syndrome: a comparison of diagnostic methods. *Clin J Pain* 2007;23:449-57. (IF: 2,45)
53. Vasarhelyi A, Lubitz J, Gierer P, **Gradi G**, Rosler K, Hopfenmuller W, Klaue K, Mittlmeier TW. Detection of fibular torsional deformities after surgery for ankle fractures with a novel CT method. *Foot Ankle Int* 2006;27:1115-21. (IF: 0,96)
54. **Gradi G**, Gaida S, Finke B, Gierer P, Mittlmeier T, Vollmar B. Exaggeration of tissue trauma induces signs and symptoms of acute CRPS I, however displays distinct differences to experimental CRPS II. *Neurosci Lett* 2006 24;402:267-72. (IF: 2,09)
55. **Gradi G**, Finke B, Schattner S, Gierer P, Mittlmeier T, Vollmar B. Continuous intra-arterial application of substance P induces signs and symptoms of experimental complex regional pain syndrome (CRPS) such as edema, inflammation and mechanical pain but no thermal pain. *Neuroscience* 2007;148:757-65. (IF: 3,35)
56. **Gradi G**. Combined stabilization of thoraco-lumbar spine fractures. *Eur J Trauma* 2006;32:249-252
57. Vasarhelyi A, Baumert T, Fritsch C, Hopfenmüller W, **Gradi G**, Mittlmeier T. Partial weight bearing after surgery for fractures of the lower extremity – ist it achievable? *Gait Posture* 2006;23:99-105. (IF: 1,73)
58. Gierer P, Simon C, **Gradi G**, Ewert A, Vasarhelyi A, Beck M, Mittlmeier T. Complex proximal humerus fractures - management with a humeral head prosthesis? : Clinical and radiological results of a prospective study. *Orthopäde* 2006;35:834-40. (IF: 0,41)
59. **Gradi G**, Gaida S, Finke B, Gierer P, Lindenblatt N, Menger MD, Mittlmeier T, Vollmar B. Supernatant of traumatized muscle induces inflammation and pain, but not microcirculatory perfusion failure and apoptotic cell death. *Shock* 2005;24:219-225. (IF: 2,54)
60. Gierer P, Ibrahim S, Mittlmeier T, Koczan D, Landes J, **Gradi G**, Vollmar B. Gene expression profile and synovial microcirculation at early stages of collagen-induced arthritis. *Arthritis Res Ther* 2005;7:R868-R876, online published (IF: 5,04)
61. **Gradi G**, Jupiter JB, Gierer P, Mittlmeier T. Fractures of the distal radius treated with a non-bridging external fixation technique employing multi-planar K wires. *J Hand Surg Am* 2005;30:960-968. (IF: 0,80)
62. **Gradi G**, Schürman M: Sympathetic dysfunction as a temporary phenomenon in acute posttraumatic CRPS I. *Clin Auton Res* 2005;15:29-34. (IF: 1,24)
63. **Gradi G**, Beyer A, Shanaz A, Schürmann M. Laser-Doppler-gestützte Kontrolle der Sympathikolyse nach kontinuierlicher axillärer Plexusanalgesie bei Patienten mit CRPS I. *Anästhesiol Intensivmed Notfallmed Schmerzther* 2005;40:345-349. (IF: 0,31)
64. Gierer P, Mittlmeier T, Bordel R, Schaser KD, **Gradi G**, Vollmar B. Selective cyclooxygenase-2 inhibition reverses microcirculatory and inflammatory sequelae of

- closed soft tissue trauma in animal model. *J Bone Joint Surg Am* 2005;87:153-60. (IF: 2,05)
65. **Gradi G**, Maier-Bosse T, Stäbler A: Quantification of C2 cervical spine rotatory fixation by X-Ray, MRI and CT. *Eur Radiol* 2005;15:376-82. (IF: 1,97)
66. **Gradi G**, Gaida S, Gierer P, Mittlmeier T, Vollmar B. In vivo evidence for apoptosis, but not inflammation in the hindlimb muscle of neuropathic rats. *Pain* 2004;112:121-30. (IF: 4,56)
67. Gierer P, Vollmar B, Schaser KD, Andreas C, **Gradi G**, Mittlmeier T. Efficiency of small volume resuscitation in restoration of disturbed skeletal muscle microcirculation after soft tissue trauma and hemorrhage. *Langenbecks Arch Surg* 2004;389:40-5. (IF: 0,92)
68. **Gradi G**, Steinborn M, Wizgall I, Mittlmeier T, Schurmann M. Das acute CRPS I (Morbus Sudeck) nach distaler Radiusfraktur – Methoden der Frühdiagnostik. *Zentralbl Chir* 2003;128:1020-6. (IF: 0,26)
69. **Gradi G**, Gierer P, Ewert A, Beck M, Mittlmeier T. Der radio-radiale Fixateur am Handgelenk – eine Option zur frühfunktionellen Behandlung bei distalen Radiusfrakturen *Zentralbl Chir* 2003;128:1014-20. (IF: 0,26)
70. Mittlmeier T, Stedtfeld HW, Ewert A, Beck M, Frosch B, **Gradi G**. Stabilization of proximal humeral fractures with an angular and sliding stable antegrade locking nail (Targon T). *J Bone Joint Surg Am* 2003;85[Suppl 4]:134-146. (IF: 2,05)
71. Gierer P, Landes J, Grubwinkler M, **Gradi G**, Lob G, Andreß HJ. Die Schenkelhalsfraktur des alten Menschen – zementierte oder unzementierte endoprothetische Versorgung. *Zentralbl Chir* 2002;127:514-18. (IF: 0,26)
72. Schürmann M, Vogel T, Gärtner A, Andress HJ, **Gradi G**. Erfahrungen mit der Kalzitonin-Behandlung bei Patienten mit Complex Regional Pain Syndrome Type I (CRPS I-M. Sudeck). *Z Orthop Ihre Grenzgeb* 2001;139:452-457. (IF: 0,56)
73. Schürmann M, **Gradi G**, Wizgal I, Moser C, Azad S, Beyer A. Clinical and physiological evaluation of Stellate ganglion blockade for Complex Regional Pain Syndrome Type I. *Clin J Pain* 2001;17:94-100. (IF: 2,08)
74. Schürmann M, Zaspel J, **Gradi G**, Wipfel A, Christ F. Assessment of the peripheral microcirculation using computer-assisted venous congestion plethysmography in post-traumatic Complex Regional Pain Syndrome type I. *J Vasc Res* 2001;38:453-461. (IF: 1,91)
75. Schürmann M, **Gradi G**, Zaspel J, Kayser M, Löhr P, Andress HJ. Peripheral sympathetic function as a predictor of complex regional pain syndrome type I (CRPS I) in patients with radial fracture. *Auton Neurosci* 2000;86:127-134. (IF: 1,26)
76. Schürmann M, **Gradi G**, Andress HJ, Kauschke T, Hertlein H, Lob G. Metastatic lesions of the humerus treated with the isoelastic diaphysis prosthesis. *Clin Orthop* 2000;380:204-214. (IF: 1,36)
77. Schürmann M, **Gradi G**, Andress HJ, Fürst H, Schildberg FW. Assessment of peripheral sympathetic nervous function for diagnosing post-traumatic Complex Regional Pain Syndrome Type I. *Pain* 1999;80:149-159. (IF: 4,56)
78. Schardey HM, Meyer G, Rau HG, **Gradi G**, Jauch KW, Lauterjung L. Subclavian Carotid Transposition: An Analysis of a Clinical Series and a Review of the Literature. *Eur J Vasc Endovasc Surg* 1996;12:431-436. (IF: 1,77)

79. Schürmann M, **Gradi G**, Fürst H. A standardized bedside test for assessment of peripheral sympathetic nervous function using laser Doppler flowmetry. *Microvasc Res* 1996;52:157-170. (IF: 1,47)

BOOK CONTRIBUTIONS, CONGRESS PRESENTATIONS, ABSTRACTS

multiple, not listet

SCIENTIFIC AWARDS (NATIONAL AND INTERNATIONAL AWARDS)

Berlin 2015

“1st Poster Award” (Senior Author). Annual Congress of Orthopedics and Orthopedic Surgery. Operative treatment of distal radius fractures, analysis of dorsal displacement and function.

Hamburg 2015

“Poster Award” (Co-Author). Charcot-Arthropathy, Complication analysis

Dresden, Oktober 2011

“1st Poster Award” (Senior Author). 15th Surgical Research Days. The role of minimal nerve injury in a rat model of posttraumatic CRPSI.

Berlin Oktober 2010

“Evidence Based Medicine” Award (Senior Author). Annual Congress of Orthopedics and Orthopedic Surgery. "Operative treatment of distal radius fractures with an intramedullary device - 1 year follow up data of a prospective randomized trial in comparison to palmar angular stable plating."

Berlin September 2008

“Klaus Klemm Innovation Award” for the minimally invasive treatment of distal radius fractures. Osteosynthese International Congress.

Rostock August 2006

“Venturesail ” Award, second price (60.000€). Business case on an artificial bone with defined trabecular density.