

Curriculum vitae

Friedrich Boettner, M.D.

Married with 3 Children

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Education:

1991-1997 Rostock University, Medical School, Germany
8-9/1992 Postgraduate Training Program,
George Mason University, Fairfax, Virginia
2-3/1994 World Health Organization: Acupuncture, Tai Chi &
Chiropractic Training
Beijing, China
9-12/1996 Rotation in Orthopedic Surgery
New York University, Bellevue Hospital, New York, NY
1-4/1997 Rotation in Internal Medicine
Tulane University, Tulane Medical Center, New Orleans, LA
5-8/1997 Rotation in General Surgery
Stellenbosch University, Tygerberg Hospital, Cape Town,
South Africa
9-10/1997 Rotation in Orthopaedic Surgery
University of Birmingham, Royal Orthopaedic Hospital,
Birmingham, United Kingdom
12/17/1997 Graduation: Rostock University Medical School

Professional Education:

1998 – 1999 Internship in Orthopaedic Surgery
Department of Orthopaedics,
University Hospital of Muenster, Germany
1999 –2000 Residency in Orthopaedic Surgery
Department of Orthopaedics,

University Hospital of Muenster, Germany

12/1999 Visiting Resident
Prof. T.P. Sculco, Surgical Arthritis Service
The Hospital for Special Surgery
New York, NY, USA

5-6/2000 Travelling Fellow
American Orthopaedic Association and North German
Orthopaedic Association,
Loma Linda Medical School, Loma Linda, CA, USA

2000 - 2001 Research Fellow
Arthroplasty, Surgical Arthritis
The Hospital for Special Surgery
New York, NY, USA

2001 -2004 Residency in Orthopaedic Surgery
Department of Orthopaedics,
University Hospital of Muenster, Germany

1/2004 German Board Certification Orthopedic Surgery, Germany

2004 - 2004 Orthopaedic Surgeon
Department of Orthopaedics,
University Hospital of Muenster, Germany

2004 - 2005 Fellowship Adult Reconstruction / Total Joint Arthroplasty
The Hospital for Special Surgery
New York, NY, USA

2005 -2006 Fellowship Sportsmedicine
Steadman Hawkins Clinic of the Carolinas
Spartanburg, SC, USA

08/2006 Associate Attending Orthopaedic Surgery
Hospital for Special Surgery
New York, NY, USA

08-9/2006 Pelvic Osteotomies Germany/Switzerland
Dr Kalchschmidt, Sädtische Kliniken Dortmund GmbH,
Germany
Dr. Cordier, St. Josef Krankenhaus, Wuppertal, Germany
PD Dr. Leunig, Schulthess Klinik, Zuerich, Switzerland
Prof. R. Ganz, Balgrist Hospital, Zuerich, Switzerland

10-12/2006 Hip Arthroscopy Fellowship M. Philippon
Steadman Hawkins Clinic
Vail, CO, USA

Medical License

09/2009 Full License, New York (253920)

Awards:

1. **Travelling Fellowship** Norddeutsche Orthopädenvereinigung e.V. / American Orthopaedic Association, May-June 2000
2. **Award for Excellence in Blood Management.** Orthopaedic Research and Education Foundation. August 2005
3. **European Society of Anesthesiology Best Abstract Award**, Annual Meeting 2013. Stundner O, Yoo D, Herzog R, Plumberger M, Hughes A, Boettner F, Memtsoudis S. Safety in Epidural Anesthesia.

Memberships Professional Societies:

South German Orthopaedic Association, Germany
German Society of Orthopaedic and Trauma, Germany
North German Orthopaedic Association, Germany
Orthopedic Research Society, Active Member, USA
New York Medical Society, USA
Arthroscopy Association of North America, USA
International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine, USA
Society for the Advancement of Blood Management (SABM)
American Academy of Orthopaedic Surgeons (AAOS)
American Association of Hip and Knee Surgeons (AAHKS)

Scientific Articles:

1. Bottner F, Link T Wortler K.
[Primary non-Hodgkin lymphoma of the knee joint involving the synovial membrane].
Rofo Fortschr Geb Rontgenstr Neuen Bildgeb Verfahr. 1999; 171(3):266-7
2. Bottner F, Wortler K, Link T.
Osteoid osteoma.
J Bone Joint Surg Br. 2000 Mar; 82(2):306-7
3. Rodl RW, Ozaki T, Hoffmann C, Bottner F, Lindner N, Winkelmann W.
Osteoarticular allograft in surgery for high-grade malignant tumours of

- bone.
J Bone Joint Surg Br. 2000 Sep; 82(7): 1006-10.
4. Wortler K, Vestring T, Boettner F, Winkelmann W, Heindel , Lindner N.
Osteoid osteoma: Ct-guided percutaneous radiofrequency ablation and follow-up in 47 patients.
J Vasc Interv Radiol. 2001; 12(6):717-22.
 5. Pavone V, Bottner F, Fickert S, Sculco TP.
Total Condylar Knee Arthroplasty: A long-term followup.
Clin Orthop 2001; 388: 18-25
 6. Bottner F, Sculco TP.
Nonpharmacologic Thromboembolic Prophylaxis in Total Knee Arthroplasty
Clin Orthop 2001; 392: 249-256
 7. Bottner F, Sculco TP, Sharrock NE, Westrich GH, Steinbeck J.
[Current Concepts: DVT Prophylaxis after total hip arthroplasty]
Orthopaede 2001; 30: 890-896
 8. Bottner F, Roedl R, Wortler K, Grethen C, Winkelmann W, Lindner N.
Cyclooxygenase-2 Inhibitor for Pain Management in Osteoid Osteoma.
Clin Orthop 2001; 393: 258-263
 9. Gosheger G, Ludwig K, Hillmann A, Meier N, Boettner F, Winkelmann W.
Extended-field CT-Technik zur Evaluation von periprothetischen Knochenläsionen – In vitro Untersuchung.
Rofo Fortschr Geb Rontgenstr Neuen Bildgeb Verfahr 2001; 173: 1099-1103
 10. Bottner F, Sculco TP.
Total hip arthroplasty: Minimizing complication in the elderly woman.
Careful preoperative screening may be most important.
Womans Health Orthopedic Edition 2001; 4(4): 117-124
 11. Bottner F, Sculco TP
Infection in Revision total hip arthroplasty.
Techniques in Orthopaedics 2001; 16: 310-322
 12. Sculco TP, Bottner F.
Current concepts of nonpharmacologic thromboembolic prophylaxis.
Instr Course Lect 2002; 51: 481-486
 13. Sculco TP, Colwell CW Jr, Pellegrini VD Jr, Westrich GH, Bottner F.
Prophylaxis against venous thromboembolic disease in patients having total hip or knee arthroplasty.
J Bone Joint Surg 2002; 84-A: 466-477
 14. Bottner F, Pavone V, Sculco TP

[The Total Condylar Knee Replacement and its impact on the development of posterior stabilized total knee replacements]
Orthop Praxis 2003; 39: 181-185

15. Bottner F, Pavone V, Johnson T, Heitkemper S, Sculco TP.
Blood management in bilateral total knee arthroplasty.
Clin Orthop 2003; 410: 254-261
16. Bottner F, Sheth N, Chimento GF, Sculco TP.
Cytokine levels after transfusion of washed wound drainage in total knee arthroplasty: a randomized trial comparing autologous blood and washed wound drainage.
J Knee Surg 2003; 16(2): 93-7
17. Bottner F, Rodl R, Kordish I, Winkelmann W, Gosheger G, Lindner N.
Surgical treatment of symptomatic osteochondromata. A three- to eight year follow-up study. J Bone Joint Surg 2003; 85-B: 1161-1165
18. Fuchs S, Sandmann C, Gerdemann G, Skwara A, Tibesku CO, Bottner F.
Quality of life and clinical outcome in salvage revision total knee replacement: hinged vs. total condylar design. Knee Surg Sports Traumatol Arthrosc 2004; 12: 140-3
19. Pavone V, Johnson T, Saulog PS, Sculco TP, Bottner F.
Perioperative Morbidity in Bilateral One-Stage Total Knee Replacements.
Clin Orthop 2004; 421: 155-161
20. Bottner F, Sculco P, Nejat E, Sculco TP, Götze C.
[The Impact of the Cement Restrictor Design on the Cement Mantle: A Randomized Trial Of 105 Patients]
Orthop Praxis 2004, 40: 429-433
21. Bottner F, Sandmann C, Semik M, Ramm O, Winkelmann W, Liljenqvist U.
Chylothorax after surgery for thoracic deformity in Noonan syndrome.
Orthopedics 2005; 28(1): 71-73
22. Bottner F, Gotze C, Koller A, Steinbeck J, Winkelmann W, Gosheger G.
Creation of an above-the-knee Amputation stump after hip disarticulation for severe periprosthetic infection and fracture. A report of two cases. J Bone Joint Surg 2005; 87-A: 410-413
23. Bottner F, Steinbeck J, Winkelmann W, Gotze C.
The acetabular augmentation ring for recurrent dislocation in revision total hip arthroplasty.
Clin Orthop 2005; 436: 151-157
24. Bottner F, Zawasky M, Su EP, Bostrom M, Palm L, Ryd L, Sculco TP.
The influence of the weight bearing protocol on implant migration after cementless total hip arthroplasty. A radiostereometric analysis.

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25. Bottner F, Sculco TP.
Prevention of Deep Venous Thrombosis: The Hospital for Special Surgery Approach
Sem Arthropl 2005; 16(2): 100-104
26. Bottner F, Su E, Nestor B, Azzis B, Sculco TP, Bostrom M.
Radiostereometric Analysis: The Hip
HSS Journal 2005; 1: 94-99
27. Gotze C, Vieth V, Meier N, Bottner F, Steinbeck J, Hackenberg L.
CT-based accuracy of implanting custom made endoprostheses.
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28. Lauber S, Schulte TL, Gotze C, Steinbeck J, Bottner F.
Acute compartment syndrome following intramedullary pulse lavage and Debridement of Osteomyelitis of the tibia.
Arch Orthop Trauma Surg 2005; 8: 1-3
29. YaDeau JT, Cahill JB, Zawadsky MW, Sharrock NE, Bottner F, Morelli CM, Kahn RL, Sculco TP.
The effects of femoral nerve blockade in conjunction with epidural analgesia after total knee arthroplasty.
Anesth Analg 2005; 101(3): 891-895
30. Gotze C, Tschugunow A, Gotze HG, Bottner F, Potzl W, Gosheger G.
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Arch Orthop Trauma Surg 2005; 10: 1-8
31. Bottner F, Laskin R, Windsor RE, Haas SB
Hybrid Component Fixation in Revision Total Knee Arthroplasty
Clin Orthop 2006; 446: 127-131
32. Bottner F, TP Sculco.
Minimal-Invasive –Posterolateral Approach
Sem Arthropl 2005; 16 (3): 172-178
33. Bottner F, Delgado S, Sculco TP.
Mini-Incision Total Hip Replacement – The Posterolateral Approach
Am J Orthop 2006; 35: 218-224
34. Sculco TP, Bottner F.
The posterolateral mini-incision total hip arthroplasty
Instr Course Lect 2006; 55: 205-214
35. C. Götze, A. Tschugunow, F. Wiegmann, N. Osada, H.G. Götze, F. Bottner.

Langfristiger Einfluss der anatomisch angepaßten spongiösen Endoprothese auf den periprothetischen Knochen - Eine radiologische und osteodensitometrische Analyse nach Implantation der S&G (ESKA) Hüftendoprothese. Long term Influence of the Spongiosa Metal Surface Prothesis (S&G, ESKA) on the Periprothetic Bone. Measurement of Periprothetic Bone Density Using Radiography and Dual-Energy X-Ray Absorptiometry.
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36. Cichon CW, Bottner F, Rodl R, Winkelmann W, Lindner N.
[Minimally Invasive Treatment of Osteoid Osteoma with CT-Guided Radiofrequency Ablation in Long-Term Follow-Up.]
Z. Orthop 2006; 144: 332-7
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Clin Orthop 2006; 451: 140-145
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J Bone J Surg 2007; 89: 94-9
39. Götze C, Steens W, Vieth V, Marquardt B, Bottner F.
Der Einfluss der Knochendichte auf die Primaerstabilität von zementfreien Femurschaftprothesen – Eine Biomechanische In-vitro-Studie. The Influence of Reduced Bone Density on primary Stability of Cementless Femoral Components. A Biomechanical in Vitro Study.
Z. Orthop 2007; 145: 307-312
40. Pellicci PM, Potter H, Foo LF, Bottner F.
MRI Shows Biologic Restoration of Posterior Soft Tissue Repairs after THA.
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41. Götze C, Rosenbaum D, Hoedemaker J, Bottner F, Steens W.
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43. Boettner F, Sculco P, Altneu E, Capar B, Sculco TP
Efficiency of Autologous Blood Donation in Combination with a Cell Saver in Bilateral Total Knee Arthroplasty.
HSS Journal 2009, 5(1): 45-48

44. Bottner F, Pelllicci PM.
Review: posterior soft tissue repair in primary total hip arthroplasty.
HSS Journal 2006 Feb;2(1):7-11.
45. Bottner F, Altneu E, Williams A, Hepinstall M, Sculco TP.
Non-Anemic Patients do not benefit from Autologous Blood Donation in
Total Hip Replacement.
HSS J. 2009 Dec 5. [Epub ahead of print].
46. Cross, M, Bottner F.
Pathophysiology of Venous Thromboembolic Disease.
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47. Heyse TJ, Decking R, Davis J, Boettner F, Laskin RS.
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48. Philips BD, Liu SS, Wukovits B, Boettner F, Waldman S, Liguori G,
Goldberg S, Goldstein L, Melia J, Hare M, Jasphey L, Tondel S.
Creation of a Novel Recuperative Pain Medicine Service to Optimize
Postoperative Analgesia and Enhance Patient Satisfaction
HSS J. 2009 Sep 17. [Epub ahead of print]
49. Cross M, Perna M, Boettner F.
A Review of the most common complications following total hip
Arthroplasty
Minerva Ortopedica E Traumatologica 2010; 61: 71-80
50. Heyse TJ, Chen DX, Kelly N, Boettner F, Wright TM, Haas SB 2010
"Matched-pair total knee arthroplasty retrieval analysis: Oxidized
zirconium vs. CoCrMo." Knee, 2011; 18: 448-452
51. Kendoff D, Citak M, Stueber V, Nelson L, Pearle AD, Boettner F.
Feasibility of a navigated registration technique in FAI surgery. 2010
Archives of Orthopedic Trauma Surgery, 2011; 131(2): 167-172
52. Stephen Kim, Eric Altneu, Jad Bou Monsef, Elizabeth A. King, Thomas P.
Sculco, Friedrich Boettner. Nonanemic Patients Do Not Benefit from
Autologous Blood Donations Before Total Knee Replacement.
HSS J 2011; 7(2): 141-144
53. Johannes Schnependahl, Marcel Betsch, Vano Petrov, Friedrich Boettner,
Siemon Thelen, Jan-Peter Grassmann, Mohssen Hakimi, Joachim Windolf,
Michael Wild.
Recovery after hip fractures: Influence of bipolar hemiarthroplasty on
physical disability and social dependency in the elderly.
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54. Arthroscopy after hip joint injury. Cases studies and indication.
Mella C, del Rio J, Lara J, Paroli D, Moya L, Schmidt-Hebbel A, Boettner F.
Unfallchirurg 2012; 115: 273-278
55. MRI analysis of component bone interface after TKA.
Heyse TJ, Chong LR, Davis J, Boettner F, Haas SB, Potter HG
Knee 2011: Epub
56. MRI analysis for rotation of total knee components.
Heyse TJ, Chong LR, Davis J, Boettner F, Haas SB, Potter HG.
Knee 2012: 19(5): 571-5
57. Su EP, Perna M, Boettner F, Mayman DJ, Gerlinger T, Barsoum W,
Randolph J, Lee G
A prospective, multicenter, randomized trial to evaluate the efficacy of a
cryopneumatic device on Total Knee Arthroplasty recovery.
J Bone Joint Surg 2012; 94 (11 Suppl): 153-6
58. Schnependahl J, Grassmann JP, Petrov V, Boettner F, Koerbl B, Hakimi
M, Betsch M, Windolf J, Wild M.
Decreasing mortality after femoral neck fracture treated with bipolar
hemiarthroplasty during the last twenty years.
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Memtsoudis S.
Safety in Epidural Anesthesia.
Clin Orthop 2013; conditionally accepted
60. Stundner O, Yoo D, Gonzalez A, Boettner F, Memtsoudis S. Limb
Preconditioning for Knee Arthroplasty: A randomized, double-blinded
study.
Clin Orthop 2013; conditionally accepted

Book Chapters:

1. Boettner F
[Total knee replacement in the elderly]. in: Raem, A.M., Fenger, H., Kolb,
G.F. Nikolaus, Th., Pientka, Rychlik, L., Vömel, Th., Handbuch Geriatrie,
Lehrbuch für Praxis und Klinik, Deutsche Krankenhaus
Verlagsgesellschaft, Düsseldorf 2005
2. Boettner F
[Concepts of mobile-bearing total knee replacement]
in [New concepts in total knee replacement], Steinkopff Verlag,
Darmstadt, 2003: page 79-89
3. Boettner F

[Review Book of Orthopaedics 2005]
OrthoForum Verlag, Hamburg, F. Bottner, page 1-767, 2005

4. Bottner F, Sculco TP
Complication of mini incision total hip arthroplasty
in "The Adult Hip", JJ Callhaghan, AG Rosenberg, HE Rubash; 2nd Ed
2007, Philadelphia; page 1562-1569
5. Bottner F
[Review Book of Orthopaedics 2007]
OrthoForum Verlag; Hamburg, F. Bottner, 2nd Edition; pp 1-800; 2006
6. Bottner F
[Review Book of Orthopaedics 2008]
OrthoForum Verlag; Hamburg, F. Bottner, 3rd Edition; pp 1-800; 2007
7. Bottner F, Eric Altneu, Thomas P. Sculco
Chapter 21: Mini-Posterior THA
"Arthritis and Arthroplasty: The Hip", edited by Drs. Brown, Cui, Mihalko,
and Saleh
2009
8. Bottner F
[Review Book of Orthopaedics 2010]
OrthoForum Verlag; Hamburg, F. Bottner, 4th Edition; pp 1-800; 2009
9. Bottner F
[Review Book of Orthopaedics 2012]
OrthoForum Verlag; Hamburg, F. Bottner, 4th Edition; pp 1-800; 2012