



Bernd Lethaus

Director and Head, Dept. for Oral- and Craniomaxillofacial Surgery,
University Clinics Leipzig

Academic career

- 02/2016 Master of Health Business Administration
Friedrich Alexander University Erlangen-Nuremberg
- 11/2012 Habilitation and Venia legendi in
Oral- and Maxillofacial Surgery
University RTWH Aachen
- 04/2006 Doctorate in dentistry
Dept. for Oral- and Maxillofacial Surgery,
Friedrich Alexander University Erlangen-Nuremberg
- 04/2003 State licensing exam Dentistry
- 12/2001 Doctorate in medicine
Dept. for Oral- and Maxillofacial Surgery,
Friedrich Alexander University Erlangen-Nuremberg
- 08/2000 United States Medical Licensing Exam (Step2)
- 1999-2003 Study of Dentistry, Friedrich Alexander University Erlangen-Nuremberg
- 06/1999 State licensing exam Medicine
- 08/1997 United States Medical Licensing Exam (Step1)
- 1993-1999 Study of Medicine, Friedrich Alexander University Erlangen-Nuremberg

Clinical Career

- Since 2019 Director and Head, Dept. for Oral- and Craniomaxillofacial Surgery, University Clinics Leipzig
- 2012-2018 Deputy Director and Senior Lecturer
Dept. for Oral- and Maxillofacial Surgery, University Clinics RWTH Aachen
Director: Professor Dr. Dr. F. Hözle
- 2009-2012 Deputy Director („waarnemend hoofd“) and Senior Lecturer
Afdeling Mondziekten-, Kaak- en Aangezichtschirurgie
Maastricht Universitair Medisch Centrum MUMC
Director: Professor Dr. Dr. P. Kessler
- 09/2007 Advanced training: Plastic Operations
- 2006-2008 Senior Resident
Dept. for Oral- and Maxillofacial Surgery,
Stuttgart Clinics
Director: Professor Dr. Dr. D. Weingart
- 11/2005 Specialization: Oral Surgery in Dentistry
- 06/2005 Specialization Oral- and Maxillofacial Surgery
- 2003-2005 Resident

Dept. for Oral- and Maxillofacial Surgery,
Stuttgart Clinics
Director: Professor Dr. Dr. D. Weingart

- 2001-2003 Scientific Assistant
Dept. for Oral- and Maxillofacial Surgery,
University Clinics Erlangen-Nuremberg
Director: Professor Dr. Dr. F.W. Neukam
- 1999-2001 Internship (AiP)
Dept. for Oral- and Maxillofacial Surgery,
University Clinics Erlangen-Nuremberg
Director: Professor Dr. Dr. F.W. Neukam

Bibliography selection of recent articles dealing with the topic of tissue engineering

1. Kamal M, Andersson L, Al-Asfour A, Bartella AK, Gremse F, Rosenhain S, Gabato S, Hözlle F, Kessler P, **Lethaus B**. Bone regeneration in rabbit calvarial critical-sized defects filled with composite *in situ* formed xenogenic dentin and biphasic tricalcium phosphate/hydroxyapatite mixture. *J Biomed Mater Res B Appl Biomater.* 2019 Apr;107(3):773-782.
2. Bartella AK, Flick N, Kamal M, Steegmann J, Kloss-Brandstätter A, Teichmann J, Hözlle F, **Lethaus B**. Hand Perfusion in Patients with Physiological or Pathological Allen's Tests. *J Reconstr Microsurg.* 2019 Mar;35(3):182-188
3. Kamal M, Hözlle F, Kessler P, Bartella A, Al-Asfour A, Mitchell D, **Lethaus B**. Volumetric Comparison Of Autogenous Bone And Tissue-Engineered Bone Replacement Materials In Alveolar Cleft Repair: A Systematic Review And Meta-Analysis., *Br J Oral Maxillofac Surg.* 2018 Jul;56(6):453-462.
4. Offermanns V, Andersen O, Riede G, Silllassen M, Jeppesen CS, Almtoft KP, Talasz H, Öhman-Magi C, **Lethaus B**, Tolba R, Kloss K, Foss M, Effect of strontium surface-functionalized implants on early and late osseointegration: a histological, spectrometric and tomographic evaluate. *Acta Biomater.* 2018 Mar 15;69:385-394.
5. Kamal M, Andersson L, Tolba R, Al-Asfour A, Bartella A, Gremse F, Rosenhain S, Hözlle F, Kessler P, **Lethaus B**. Bone regeneration using composite non-demineralized xenogenic dentin with beta-tricalcium phosphate in experimental alveolar cleft repair in a rabbit model. *J Transl Med.* 2017;15:263
6. Kamal M, Andersson L, Tolba R, Bartella A, Gremse F, Hözlle F, Kessler P, **Lethaus B**. A Rabbit Model For Experimental Alveolar Cleft Grafting. *J Transl Med.* 2017;15:50 (*IF:* 3,78)
7. Sönmez TT, Bayer A, Cremer T, Hock JVP, **Lethaus B**, Kweider N, Wruck CJ, Drescher W, Jahr H, Lippross S, Pufe T, Tohidnezhad M. The protective effect of platelet released growth factors and bone augmentation (Bio-Oss®) on ethanol impaired osteoblasts. *Anna Anat.* 2017;31:214:36-42.
8. Adamcyk C, Kachel P, Hoss H, Gremse F, Modabber A, Hözlle F, Tolba R, Neuss S, **Lethaus B**, Bone tissue engineering using polyetherketoneketone scaffolds combined with autologous mesenchymal stem cells in a sheep calvarial defect model. *J Craniomaxillofac Surg.* 2016;44:985-94.
9. Dziewiecki D, van de Loo S, Gremse F, Kloss-Brandstätter A, Kloss F, Offermanns V, Yamauchi K, Kessler P, **Lethaus B**. Osteoneogenesis due to periosteal elevation with degradable and non-degradable devices in Göttingen Minipigs. *J Craniomaxillofac Surg.* 2016;44:318-24. (*IF:*)
10. Yamauchi K, Nogami S, Martinez-de la Cruz G, Hirayama B, Shimizu Y, Kumamoto H, **Lethaus B**, Kessler P, Takahashi T. Timed-release system for periosteal expansion

osteogenesis using NiTi mesh and absorbable material in the rabbit calvaria. J Craniomaxillofac Surg. 2016;44:1366-72 (IF: 1,59)

11. Lie N, Merten HA, Meyns J, **Lethaus B**, Wiltfang J, Kessler P. Elevation of the maxillary sinus membrane for de-novo bone formation: First results of a prospective study in humans. J Craniomaxillofac Surg. 2015;43:1670-7 (IF: 1,59)