

CV of Heinz K. L. Winkler

Dr. Winkler was born in Vienna (Austria) on February 12, 1955.

Qualifications

- June 22, 1982: Graduation Dr. med. univ., University of Vienna
- January 1, 1991: Specialisation: Orthopedist and orthopaedic surgeon, Austrian Medical Chamber

Current Employment

- Consultant Orthopaedic Surgeon at Privatklinik Döbling
- Consultant Orthopaedic Surgeon at Weinviertelklinikum
- Director Osteitis Center Vienna
- President European Cell and Tissue Bank ECTB
- CEO BioTiss Biotechnologie GmbH

Previous Employment

- Since 2005, Director Osteitis Center Vienna
- Since 2002, Orthopaedic Surgery (Consultant for Infections and Revision TJRs), Weinviertelklinikum Austria
- 2000-2002, Orthopaedic Surgery: A.ö. KH Krems (Dr. Hellmuth Schindelmaisser)
- 1994-2000, Chairman of Central Bone Bank Vienna
- 1994-2000, Orthopaedic Surgery: Danube Hospital / Vienna (Prof. Dr. Alfred Engel). Director of sub-department for Endoprosthetics with focus on revision cases and bone transplantation
- 1987-1994, Orthopaedic Surgery: Orthopaedic Department Baumgartner Höhe, Vienna (Prof. Dr. Wolfgang Schwägerl)
- 1990, Orthopaedic Surgery: University of California, Los Angeles (Dr. Harlan C. Amstutz)
- 1989, 1990, Orthopaedic Surgery: Hôpital Cochin, Paris (Prof. Dr. Michel Postel)
- 1986, Surgery: Military Hospital Vienna (Dr. Walter Dorner)
- 1984-1987, Laboratory for Bone Research, Histological Institute of the University of Vienna (Prof. Dr. Hanns Plenk)
- 1982-1983, Surgery: Herz-Jesu-Spital, Vienna (Prof. Dr. Walter Bejdl)

Membership in Scientific Societies

- American Association of Tissue Banks
- Association pour l'Étude des Greffes et des Substituts Tissulaires en Orthopédie
- Deutsche Gesellschaft für Orthopädie und Traumatologie
- Deutsche Gesellschaft für Osteologie
- Österreichische Gesellschaft für Orthopädie und orthopädische Chirurgie
- European Association of Musculoskeletal Transplantation
- European Association of Tissue Banks
- European Hip Society
- European Bone and Joint Infection Society
- 2009, President 28th annual Conference of European Bone and Joint Infection Society (EBJIS)
- 2009-2017 Member of Executive Committee EBJIS
- 2013-2015, President EBJIS

Miscellaneous

- Since 2015, Founding Editor-in-Chief of Journal of Bone and Joint Infection
- 2005, Founder European Cell and Tissue Bank (ECTB)
- 2005, Founder Osteitis Center at Privatklinik Döbling / Vienna
- 2000, Founder Austrian Tissue Bank

- 1998, Founder Austrian Bone and Joint Infection Society
- Since 1994, Technical Co-operation Expert IAEA (Tissue Banking)
- 1996, Introducing a new technique of treating bone infection using antibiotic impregnated bone graft
- 1994, President of 3rd European Conference on Tissue Banking and Clinical Application of Grafts at the Vienna International Center (in co-operation with IAEA, Oct. 1994)
- 1993-2001, General Secretary of EATB
- Co-Author of "General Standards for Tissue Banking" of EATB
- 1993, Development of a new press fit porous cup for acetabular revision (Winkler Cup / DePuy)
- 1992- 2000, Associate Professor for Orthopaedics at Academy for Physiotherapy Vienna
- 1992, Introducing the "Viennese Protocol for Bone Banking". Presentation during EAMST Conference in Brussels. First Bone Bank in the world using PCR as a routine method for donor screening (meanwhile standard in most tissue banks)
- 1992, Founding member of European Association of Tissue Banks (EATB)
- 1991, Introducing irradiated massive allografts into clinical practice in Austria
- 1990, Introducing an improved standardized technique for reconstruction of severely deficient acetabula with allograft bone

Book Editor

- "Orthopaedic Allograft Surgery" by A. Czitrom and **H. Winkler** (eds.), Springer Wien New York, 1996
- "Culture Negative Orthopedic Biofilm Infections", Editors: Garth D. Ehrlich, Patrick J. DeMeo, J. William Costerton, **Heinz Winkler**, Springer, 2013

Articles and presentations on

- Septic Surgery
- Joint Replacement
- Revision Surgery
- Foot Surgery
- Bone Transplantation
- Tissue Banking

Most cited Publications

Winkler H, Haiden P. Allograft Bone as Antibiotic Carrier. *J Bone Joint Infect* 2017; 2(1):52-62. doi:10.7150/jbji.17466. Available from <http://www.jbji.net/v02p0052.htm>

Winkler H. "Treatment of chronic bone infection" *Oper Tech Orthop*, 2016 26: 2-11

Lichstein P, Gehrke T, Lombardi A, Romano C, Stockley I, Babis G, Bialecki J, Bucsi L, Cai X, Cao L, de Beaubien B, Erhardt J, Goodman S, Jiranek W, Keogh P, Lewallen D, Manner P, Marczynski W, Mason JB, Mulhall K, Paprosky W, Patel P, Piccaluga F, Polkowski G, Pulido L, Stockley I, Suarez J, Thorey F, Tikhilov R, Velazquez JD, **Winkler H.** "One-stage versus two-stage exchange" *J Orthop Res.* 2014 Jan;32 Suppl 1:S141-6. doi: 10.1002/jor.22558.

Ehrlich, GD, DeMeo, PJ, Costerton, JW, **Winkler, H** (Eds.) "Culture Negative Orthopedic Biofilm Infections" Springer Series on Biofilms, Springer-Verlag (Berlin Heidelberg), 2012. ISBN 978-3-642-29554-6

- Winkler H.** “Bone grafting and one-stage revision of THR - biological reconstruction and effective antimicrobial treatment using antibiotic impregnated allograft bone” *Hip Int.* 2012 Jul-Aug; 22 Suppl 8:S62-8. doi: 10.5301/HIP.2012.9572.
- Winkler H.** “Rationale for one stage exchange of infected hip replacement using uncemented implants and antibiotic impregnated bone graft. *Int J Med Sci.* 2009 Sep 4;6(5): 247-52.
- Winkler H,** Stoiber A, Kaudela K, Winter F, Menschik F. One stage uncemented revision of infected total hip replacement using cancellous allograft bone impregnated with antibiotics. *J Bone Joint Surg Br* 2008; 90-B-12: 1580-4.
- Winkler H, Janata O, Berger C, Wein W, Georgopoulos A. **In vitro release of vancomycin and tobramycin from impregnated human and bovine bone grafts.** *J Antimicrob Chemother.* 2000;**46**:423-8

Publications

1-35

1. Winkler H, Kellaridis T. [Helal's metatarsal osteotomy. Indication and technic with reference to shape and function of the foot]. *Z Orthop Ihre Grenzgeb* 1989;127:556-60.
2. Winkler H, Bohmann F, Schwaegerl W. Einheilverhalten tiefgefrorener Femurköpfe bei Kombination mit zementfreier Schraubpfanne. *OrthopPraxis* 1992:47-53.
3. Hochstein P, Aymar M, Winkler H, Wentzensen A. [Surgical treatment of diaphyseal tibial fractures. Choice of procedure and results of treatment of 187 fractures]. *Unfallchirurgie* 1994;20:259-75.
4. Winkler H, Smretschnig P. Zementfreier Pfannenwechsel mit sphärischen Implantaten. *Medizinisch Orthopädische Technik* 1994:238-45.
5. Winkler H, Bohmann F, Schwaegerl W. Acetabular reconstruction technique. In: Czitrom AA, Winkler H, eds. *Orthopaedic allograft surgery*. Wien, New York: Springer Verlag; 1996:135-45.
6. Winkler H, Janata O, Berger C, Wein W, Georgopoulos A. In vitro release of vancomycin and tobramycin from impregnated human and bovine bone grafts. *J Antimicrob Chemother* 2000;46:423-8.
7. Berger C, Anzbock W, Lange A, Winkler H, Klein G, Engel A. Arterial occlusion after total knee arthroplasty: successful management of an uncommon complication by percutaneous thrombus aspiration. *J Arthroplasty* 2002;17:227-9.
9. Obenaus C, Winkler H, Girtler R, Huber M, Schwagerl W. Extra-large press-fit cups without screws for acetabular revision. *J Arthroplasty* 2003;18:271-7.
11. Kessler T, Wagner N, Winkler H. [Tibial tuberosity avulsion fracture and posterior fracture of the proximal tibial epiphysis]. *Der Unfallchirurg* 2006;109:990-4.
12. Winkler H, Kaudela K, Stoiber A, Menschik F. Bone grafts impregnated with antibiotics as a tool for treating infected implants in orthopedic surgery - one stage revision results. *Cell Tissue Bank* 2006;7:319-23.
13. Winkler H, Krems KK. ONE STAGE NON-CEMENTED REVISION OF SEPTIC HIP PROSTHESIS USING ANTIBIOTIC-LOADED BONE GRAFTS. *J Bone Joint Surg Br Proceedings* 2006;88-B:84-a-.
14. Winkler H, Stoiber A. One-stage Non-cemented Revision of Septic Hip Prosthesis Using Antibiotic-loaded Bone Graft. In: Meani E, Romanò C, Crosby L, Hofmann G, Calonego G, eds. *Infection and Local Treatment in Orthopedic Surgery*. Berlin, Heidelberg: Springer Berlin Heidelberg; 2007:194-200.
15. Winkler H, Stoiber A, Kaudela K, Winter F, Menschik F. One stage uncemented revision of infected total hip replacement using cancellous allograft bone impregnated with antibiotics. *J Bone Joint Surg Br* 2008;90-B:1580-4.
16. Bettin D, Winkler H. COMPARATIVE EVALUATION OF RESULTS AFTER LOCAL ANTIBIOTIC THERAPY WITH GENTAMYCIN IN FORM OF BEADS AND FLEECE. *J Bone Joint Surg Br Proceedings* 2009;91-B:311-b-.
17. Bettin D, Winkler H, Zurakowski D, Harle A, Niehoff F. EARLY RECOGNITION OF INFECTIONS BY ANALYSIS OF THE LEUKOCYTES IN THE DEEP WOUND DRAINAGE. *J Bone Joint Surg Br Proceedings* 2009;91-B:311-a-.
19. Winkler H. Rationale for one stage exchange of infected hip replacement using uncemented implants and antibiotic impregnated bone graft. *Int J Med Sci* 2009;6:247-52.
20. Winkler H, Stoiber A. ONE-STAGE NON-CEMENTED REVISION OF SEPTIC HIP PROSTHESIS USING ANTIBIOTIC LOADED BONE GRAFT. *J Bone Joint Surg Br Proceedings* 2009;91-B:310-b-.
21. Winkler HK, Trnka HJ. SALVAGE OF SEVERELY DESTROYED INFECTED REAR FOOT USING ANTIBIOTIC-IMPREGNATED BONE GRAFT. *J Bone Joint Surg Br Proceedings* 2009;91-B:309-b-.

22. Winkler H, Kaudela K, Menschik F, Stoiber A, Winter F. ONE STAGE REVISION OF INFECTED HIP REPLACEMENT USING UNCEMENTED SYSTEMS AND ANTIBIOTIC IMPREGNATED ALLOGRAFT BONE. *J Bone Joint Surg Br Proceedings* 2010;92-B:533-b-.
24. Winkler HK. S03.KL1 ALLOGRAFTS FOR TREATING INFECTED BONE DEFECTS. *J Bone Joint Surg Br* 2011;93-B:322-a-.
25. Winkler HK. S03.KL1 ALLOGRAFTS FOR TREATING INFECTED BONE DEFECTS. *Journal of Bone & Joint Surgery, British Volume* 2011;93-B:322.
26. Winkler HK. S05.KL1 INFECTED ENDOPROTHESES – RATIONALE FOR SINGLE STAGE REVISION AVOIDING BONE CEMENT. *Journal of Bone & Joint Surgery, British Volume* 2011;93-B:324-5.
28. Winkler H. Bone grafting and one-stage revision of THR - biological reconstruction and effective antimicrobial treatment using antibiotic impregnated allograft bone. *Hip Int* 2012:0.
29. Winkler H. One-Stage Exchange of Infected Total Knee Arthroplasty: Effective Antimicrobial Treatment and Biological Reconstruction Using Antibiotic Impregnated Allograft. In: Parvizi J, ed. *The Knee: Reconstruction, Replacement, and Revision*. Brooklandville, Maryland: Data Trace Publishing Company; 2013:109:1-9.
30. Lichstein P, Gehrke T, Lombardi A, ..., Winkler H. One-stage vs two-stage exchange. *J Arthroplasty* 2014;29:108-11.
31. Lichstein P, Gehrke T, Lombardi A, ..., Winkler H. One-stage versus two-stage exchange. *J Orthop Res* 2014;32 Suppl 1:S141-6.
32. Winkler H, Haiden P. Treatment of Chronic Bone Infection. *Operative Techniques in Orthopaedics* 2016;26:2-11.
33. Chen AF, Winkler H. Local Antimicrobial Treatment in Orthopaedic Surgery. *Journal of bone and joint infection* 2017;2:1-2.
34. Winkler H. Treatment of chronic orthopaedic infection. *EFORT open reviews* 2017;2:110-6.
35. Winkler H, Haiden P. Allograft Bone as Antibiotic Carrier. *Journal of bone and joint infection* 2017;2:52-62.