

Kevin Christopher Staats, MD, BSc

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born: 17.12.1986 in Villach, Austria

Vienna, 06-20-2021

Education

Medical University of Vienna PhD-program Thesis: „Antimicrobial Effect and Osteoblastic Cell Growth of Selenium/Hydroxyapatite-modified Titanium Surfaces”	since 2015
Medical University of Vienna Medicine	2009 – 2015
University of Vienna Studies of Nutritional Sciences	2007 – 2011

Working experience

Resident Department of Orthopedics and Trauma Surgery, Medical University of Vienna	since 2016
Research Associate Department of Orthopedics, Medical University of Vienna	2015 – 2016
Lecturer Dissection-course (Organmorphologie I, II, III) Department of systematic anatomy Vienna	2015 - 2018
Student instructor for dissection courses for medical students and Physiotherapists Department of systematic anatomy Vienna	2012 – 2015

Fellowships/Grants/Awards

Ines Mandl Research Fellowship (Arthroplasty Research Lab/Mathias Bostrom, MD) Hospital for Special Surgery/Weill Cornell University New York City, USA	02/2019 - 08/2019
Bone and Joint Surgery Fellowship, Weill Cornell Seminar, Austrian American Foundation, Salzburg Price: „Excellent Case Presentation“	2017
Institutional Funding FFG Comet program §27 “FTiBa”	2020
Best Poster Award, German Arthroplasty Congress (EKB 2020) Berlin “Osseointegrative Potential of intermittent PTH in initial implant instability”	2020

John Charnley Award 2020, Meeting of the Hip Society 2020
“The antimicrobial potential of bacteriophage-derived lysin in a murine debridement, antibiotics, and implant retention model of prosthetic joint infection.”

Academic excellent scholarship 2013
Medical University of Vienna

Additional Skills

Extended Board Member of the Austrian Orthopedic Society 2020

Management and Organization of Lectures Program since 2018
Dept. of Orthopedic Surgery and Traumatology
Medical University of Vienna

Representative of the Orthopedic Residency Program 2017 – 2019
Medical University of Vienna

GCP-Certificate 2016
approved by the Faculty of Pharmaceutical Medicine,
Royal Colleges of Physicians United Kingdom

Scientific presentations (excerpt)

Long-term survival analysis of cemented vs. cementless distal femur replacement reveals different outcomes between oncological and non-oncological patients
Annual Meeting of International Limb Salvage Society 2019, Oral Presentation

Positive MSIS Minor-criteria have an impact on the outcome of THA and TKA revisions: a matched-pair analysis
Annual Meeting European Bone and Joint Infection Society 2016, Oral Presentation
Annual Conference of the Austrian Orthopedic Society 2016, Oral Presentation
Deutscher Endoprothetikkongress, 2017, Oral Presentation
World Arthroplasty Congress 2018, Oral Presentation

The influence of antibiotic-loaded cement spacers on the risk of reinfection after septic two-stage hip revision surgery
Annual Conference of the Austrian Orthopedic Society 2016 Villach, Oral Presentation
Deutscher Endoprothetikkongress, 2017, Poster Presentation

Failed Two-Stage Exchange: Factors Leading to Unachievable Endoprosthetic Reconstruction After Multiple Revision Surgeries
Annual Conference of the Austrian Orthopedic Society 2017, Oral Presentation
Deutscher Endoprothetikkongress 2018, Poster Presentation

The occult periprosthetic infection – new achievements in diagnostics and therapy
Viennese Hip Symposium 2018, Oral Presentation

Publications List

Hand X-ray examination in two planes is not required for radiographic assessment of hand osteoarthritis. Therapeutic advances in musculoskeletal disease

Staats, K., Sunk, I. G., Weidekamm, C., Kerschbaumer, A., Bécède, M., Supp, G., Stamm, T., Windhager, R., Smolen, J. S., & Bobacz, K. (2020)., 12, 1759720X20934934.

Does a Competing Risk Analysis Show Differences in the Cumulative Incidence of Revision Surgery Between Patients with Oncologic and Non-oncologic Conditions After Distal Femur Replacement?

Staats K, Vertesich K, Sigmund IK, Sosa B, Kaider A, Funovics PT, Windhager R. Clin Orthop Relat Res. 2019,

2020 John Charnley Award: The antimicrobial potential of bacteriophage-derived lysin in a murine debridement, antibiotics, and implant retention model of prosthetic joint infection.

Sosa, B. R., Niu, Y., Turajane, K., **Staats, K.**, Suhardi, V., Carli, A., Fischetti, V., Bostrom, M., & Yang, X. (2020). The bone & joint journal, 102-B(7_Supple_B), 3–10.

Recombinant Human BMP6 Applied Within Autologous Blood Coagulum Accelerates Bone Healing: Randomized Controlled Trial in High Tibial Osteotomy Patients.

Chiari, C., Grgurevic, L., Bordukalo-Niksic, T., Oppermann, H., Valentinitsch, A., Nemecek, E., **Staats, K.**, Schreiner, M., Trost, C., Kolb, A., Kainberger, F., Pehar, S., Milosevic, M., Martinovic, S., Peric, M., Sampath, T. K., Vukicevic, S., & Windhager, R. (2020). *Journal of bone and mineral research*

Modern cemented total knee arthroplasty design shows a higher incidence of radiolucent lines compared to its predecessor.

Staats K, Wannmacher T, Weihs V, Koller U, Kubista B, Windhager R. Knee Surg Sports Traumatol Arthrosc. 2018 Sep 22. doi: 10.1007/s00167-018-5130-0.

Challenges in Primary Total Hip Arthroplasty

Staats K, Kubista B, Windhager R. Z Orthop Unfall. 2019 Aug

Zirconium Nitride Coating Reduced Staphylococcus epidermidis Biofilm Formation on Orthopaedic Implant Surfaces: An In Vitro Study.

Pilz M, **Staats K**, Tobudic S, Assadian O, Presterl E, Windhager R, Holinka J. Clin Orthop Relat Res. 2018 Nov 8. doi: 10.1097/CORR.000000000000568.

The influence of antibiotic-loaded cement spacers on the risk of reinfection after septic hip revision surgery

Staats K, Sevelde F, Kaider A, Böhler C, Puchner SE, Windhager R, Holinka J Infection, 10/2017

Computer navigation-assisted surgery for musculoskeletal tumors: a closer look into the learning curve.

Staats K, Panotopoulos J, Tiefenboeck TM, Windhager R, Funovics PT.
Eur J Orthop Surg Traumatol. 2017

Failed two-stage exchange: When is a successful endoprosthetic reconstruction at risk after multiple revision surgeries?

Staats K, Frenzel S, Sigmund IK, Böhler C, Puchner SE, Holinka J, Windhager R
Journal of Arthroplasty 09/2017

Is the revision of a primary TKA really as easy and safe as the revision of a primary UKA?

Staats K, Merle C, Schmidt-Bräkling T, Boettner F, Windhager R, Waldstein W
Annals of Translational Medicine, 2016

Outcome of Total Hip and Total Knee Revision Arthroplasty with minor infection criteria: a retrospective matched-pair analysis

Staats K, Kolbitsch P, Sigmund IK, Hobusch GM, Holinka J, Windhager R
Journal of Arthroplasty 09/2016

Preoperative MRI is helpful but not sufficient to detect comorbidities in patients with chronic ankle instability

Staats K, Sabeti-Aschraf M, Platzgummer H, Puchner SE, Apprich S, Windhager R, Schuh R, Knee Surgery Sports Traumatology Arthroscopy 2018

Megaprosthesis in the treatment of periprosthetic fractures of the knee joint: Indication, technique and review of literature

Windhager R, Schreiner M., **Staats K**, Apprich S
Int. Orthop. 2015 Sept. 2015

Surgical treatment of shoulder infections: a comparison between arthroscopy and arthrotomy

Boehler C, Pock A, **Staats K**, Koller U, Puchner SE, Holinka J, Windhager R, Journal of Shoulder and Elbow Surgery

Sonication Cultures Improve The Microbiological Diagnostic In Low-Grade Infection Of Modular Megaprotheses

Puchner SE, **Staats K**., Doehring K, Lass R, Böhler C., Presterl E., Hirschl AM., Windhager R., Holinka J.,
J Orthop Res. 2016 Aug 30.

Qualitative α -Defensin test for assessment of PJI in total joint replacement

Sigmund IK, **Staats K**, Gamper J, Kubista B, Boehler C, Holinka J, Windhager R
Bone & Joint Journal 09/2016

Multiplex PCR Unyvero i60 ITI application improves detection of low-virulent microorganisms in periprosthetic joint infections.

Sigmund IK, Windhager R, Sevelde F, **Staats K**, Puchner SE, Stenicka S, Thalhammer F, Holinka J.
Int Orthop. 2018 Sep 6.

Comparison of Plantar Pressure Distribution and Functional Outcome after Scarf and Austin Osteotomy.

Puchner, S. E., Trnka, H. J., Willegger, M., **Staats, K.**, Holinka, J., Windhager, R., & Schuh, R. (2018). *Orthopaedic surgery*, 10(3), 255–263.

Distal femoral reconstruction following failed total knee arthroplasty is accompanied with risk for complication and reduced joint function.

Vertesich, K., Puchner, S. E., **Staats, K.**, Schreiner, M., Hipfl, C., Kubista, B., Holinka, J., & Windhager, R. (2019). *BMC musculoskeletal disorders*, 20(1), 47.

A comparative study of intraoperative frozen section and alpha defensin lateral flow test in the diagnosis of periprosthetic joint infection.

Sigmund IK, Holinka J, Lang S, Stenicka S, **Staats K**, Hobusch G, Kubista B, Windhager R.
Acta Orthop. 2019 Apr

A handwritten signature in black ink, appearing to be 'R. Staats', written in a cursive style.