

Special Issue on Metallic Tumor Endoprotheses: Deep Infection Prophylaxis and Treatment

CALL FOR PAPERS

Metallic endoprotheses are the most common reconstruction method for patients with primary cancers of the long bones and are used increasingly for metastatic bone disease. Infection is the most common failure mode for tumor endoprotheses and it occurs with a frequency that is roughly tenfold more frequent than concordant total joint arthroplasty. Many factors are known or hypothesized to contribute to this high rate of infection including the concomitant use of immunosuppressive chemotherapy, local radiation, extensive soft-tissue dissection, longer operation time, and larger implants. The emotional toll that deep infections pose to patients and the financial burden on health care systems are substantial. Improved understanding of and management strategies for these problems are needed.

We invite investigators to contribute manuscripts describing original research and comprehensive topical reviews that encompass the breadth of the problem of deep endoprosthesis infection. We are particularly interested in manuscripts that detail adequately powered investigations of interventions aimed at preventing or treating deep infection in which the intervention may pose risk to the patient, such as extended postoperative antibiotic prophylaxis.

Potential topics include but are not limited to the following:

- ▶ Novel surface coatings for infection prophylaxis in primary endoprotheses
- ▶ Novel surface coatings for revision treatment of infected limb salvage procedures, including primary endoprotheses, bulk allografts, and allograft-prosthesis composite constructions
- ▶ Postoperative antibiotic regimens for primary endoprotheses
- ▶ Advancements in laboratory detection of deep endoprosthesis infection
- ▶ Advancements in the radiological detection of deep endoprosthesis infection
- ▶ The role of pathogen genomic analysis in treatment improvement
- ▶ Patient and/or time-specific variations in pathogens and treatment for 'early' and 'late' deep endoprosthesis infections

Authors can submit their manuscripts through the Manuscript Tracking System at <http://mts.hindawi.com/submit/journals/sarcoma/mted/>.

Lead Guest Editor

Eric Henderson, The Geisel School of Medicine at Dartmouth, Hanover, USA
eric.r.henderson@hitchcock.org

Guest Editors

Philipp Funovics, Medical University of Vienna, Vienna, Austria
philipp.funovics@meduniwien.ac.at

Jendrik Harges, University Hospital of Muenster, Münster, Germany
jendrik.harges@ukmuenster.de

Wei Guo, People's Hospital of Peking University, Beijing, China
bonetumor@163.com

Rob Pollock, Royal National Orthopaedic Hospital, Stanmore, UK
robpollock@doctors.org.uk

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