## **Abstract book**

Friday 4 September 2020 Topic: Periprosthetic Joint & Fracture Related Infection

**Plenary session 1: Periprosthetic Joint Infection Moderator:** *Dr. Paul Jutte, University Medical Center Groningen* 

1. Common pathogens and antibiotic treatment in Periprosthetic Joint & Fracture Related Infection Speaker: Ass. Prof. Dr. Andrej Trampuz, Charité Universitätsmedizin, Berlin, Germany 30 minute oral lecture supported with Powerpoint.

Infection after joint arthroplasty and osteosynthesis has profound negative effects on the patients well-being as well as health care costs. Prevention, detection and adequate early antibiotic treatment are essential to diminish these negative effects. This lecture will focus on the common pathogens resulting Periprosthetic Joint & Fracture Related Infection. Furthermore, antibiotic treatment with biofilm treatment will be discussed according to the most recent standards.

This lecture will be given by Ass. Prof. Dr. Trampuz. Head of the Infectious Diseases Research Laboratory at the Charité in Berlin.

**2. Results of five years of extensive British granted research regarding Periprosthetic Joint Infection** Speaker: *Prof. Dr. Ashley Blom, University Hospital, Bristol, United Kingdom* 30 minute oral lecture supported with Powerpoint.

This lecture focuses on the outcomes and results of five years of extensive British granted research regarding Periprosthetic Joint Infection. This research program contained 7 work packages including Evidence Synthesis, Health Economics, a multicentre RCT on 1 vs 2 stage revision, qualitative work, a discrete choice experiment and National Joint Registry analysis. Several publications have been published regarding this topic.

This lecture will be given by Prof. Dr. Blom. Head of the Bristol Medical School, NIHR Senior Investigator and a Fellow of the Academy of Medical Sciences.

#### 3. One versus two-stage revision in Periprosthetic Joint Infection

Speaker: *Prof. Dr. Olivier Borens, University Hospital, Lausanne, Switzerland* 30 minute oral lecture supported with Powerpoint.

Persistent wound leakage after joint arthroplasty could be an indicator for infection. Surgical debridement, Antibiotics and Implant Retention is the first step in case of an acute infection and is abbreviated as a DAIR procedure. In case of a chronic periprosthetic join infection, revision surgery is indicated. This lecture focuses on the indications, timing and surgical aspects of one and two-stage revisions.

This lecture will be given by Prof. Dr. Borens. Head of the Department of Septic Surgery and Head of the Orthopaedic-Trauma Unit of the Department for the Musculoskeletal System of the University Hospital in Lausanne.









### Plenary session 2: Fracture Related Infection

Moderator: Dr. Geertje Govaert, University Medical Center Utrecht

## 4. Infected osteosynthesis and fracture non-union.

Speaker: *Prof. Dr. Willem-Jan Metsemakers, University Hospital, Leuven, Belgium* 30 minute oral lecture supported with Powerpoint.

Infection after osteosynthesis can results in wound problems, delayed union and nonunion. Treatment of fracture related infection requires multimodal and multidisciplinary treatment. This lecture focuses on diagnosis and treatment strategies of infected osteosynthesis and fracture non-union.

This lecture will be given by Prof. Dr. Metsemakers. Consultant in Trauma Surgery, Department of Trauma Surgery, University Hospitals Leuven

## 5. Dead space management after fracture related infection.

Speaker: *Prof. Dr. Martin McNally, Oxford University, Oxford, United Kingdom* 30 minute oral lecture supported with Powerpoint.

Infection after osteosynthesis can result in wound problems, delayed union and nonunion. Furthermore, longstanding fracture related infections often result in osteomyelitis with sequester formation. This is a serious medical condition for which extensive surgical debridement and subsequent antibiotic treatment is vital.

This lecture focuses on the indications and methods of dead space management following extensive surgical debridement due to fracture related infection.

This lecture will be given by Prof. Dr. McNally. Consultant in Limb Reconstruction at Nuffield Orthopaedic Centre and president of the Girdlestone Orthopaedic Society.

6. Closing lecture: Orthopaedic experiences abroad from a Dutch perspective. Speaker: Ass Prof. Dr. Job Doornberg, Flinders Medical Centre, Adelaide, Australia.University Medical Center Groningen, the Netherlands.

30 minute oral lecture supported with Powerpoint.

The closing lecture of the VOCA congress focuses on an off-topic subject which is highly relevant for the current generation of young and upcoming medical professionals. This lecture focuses on the tips & tricks for arranging an orthopaedic of surgical Fellowship abroad. Furthermore, Ass. Prof Dr. Doornberg will share his Australian experience at Flinders Medical Centre, Adelaide.

Associate Prof. Dr. Doornberg will give this years' closing lecture. He has worked as an orthopaedic consultant in Adelaide the last few years, has extensive scientific interests and has recently joined the orthopaedic staff at the University Medical Center Groningen.







# References

**2.** Results of five years of extensive British granted research regarding Periprosthetic Joint Infection Speaker: *Prof. Dr. Ashley Blom, University Hospital, Bristol, United Kingdom* 

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