

The goal: Advancing and sharing knowledge

To review, update and advance theoretical and practical knowledge in diagnosis, treatment and prevention of bone and implant-associated infections. At the end of the workshop, participants should be able to generate a rational and efficient management plan based on modern principles.

The challenge: Biofilms and implants

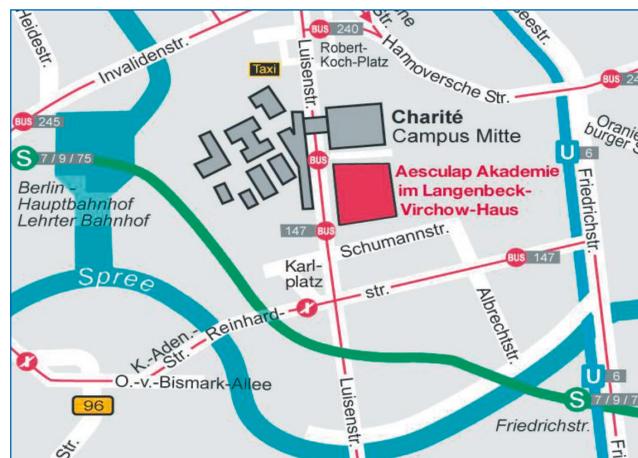
Implant-associated infections occur in up to 10% after fracture fixation. Bacteria grow on medical devices as biofilm, making them difficult to detect and hard to eradicate. Infections after fracture fixation cause considerable morbidity and healthcare costs. An efficient management concept can significantly improve the outcome and life quality of patients.

The solution: Teamwork of experts

The key to success is an interdisciplinary approach of various medical specialties integrating the latest evidence, clinical experience and innovation in the diagnosis, surgical techniques, antibiotic therapy and local bone and soft tissue management.

Topics for discussion

- Epidemiology, definition and pathogenesis of bone and implant-associated infections after trauma
- Diagnosis: microbiology, histology, imaging
- Surgical and antimicrobial therapy
- Local antimicrobial therapy, drug delivery systems, bone cement, bone substitutes and bone grafts
- Early postoperative infections: when to revise? What to revise?
- Delayed postoperative infection: concept of septic delayed and non-union
- Culture-negative infections: How to treat?
- Efficient and cost-effective prevention of infection
- Difficult surgical cases: multiple revisions, compromised soft tissues, insufficient bone stock, persistent infection
- Therapeutic options for difficult-to-treat and multi-drug resistant microorganisms
- Typical errors leading to treatment failure
- The importance of animal models to bridge the gap from in vitro to clinical studies
- Potential future solutions: implant coating, bone regeneration, bacteriophage therapy, hydrogels



Venue

LANGENBECK VIRCHOW HAUS
Luisenstraße 58/59
10117 Berlin, Germany

Local Public Transport

You can reach Langenbeck Virchow Haus by:
U-Bahn: U6 – "Oranienburger Tor"; U55 – "Hauptbahnhof"
S-Bahn: S1, S2, S25, S5, S7, S75 – "Friedrichstraße"
Tram: 12, M1, M5 – "Oranienburger Tor"; M5, M8, M10 – "Hauptbahnhof"
Bus: 147, TXL – "Charité – Campus Mitte"

Parking

APCOA Underground Car Park
Luisenstraße 47–52, 10117 Berlin



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Workshop on Infections after Fracture Fixation

Berlin, Germany

January 12, 2018

May 25, 2018

October 1, 2018

Faculty:

Dr. Andrej Trampuz

Dr. Nora Renz

Charité – Universitätsmedizin, Berlin, Germany

Dr. Olivier Borens (May)

Lausanne University Hospital (CHUV), Switzerland

Mr. Martin McNally (October)

Bone Infection Unit, Oxford, UK



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Welcome

Dear colleagues, dear friends,

It is our great pleasure to invite you to our Workshop on Infections after Fracture Fixation in 2018 in Berlin. After successful organization of over 30 Workshops on Prosthetic Joint Infection (PJI) since 2010, we added this new topic based on your suggestions.

The goal is to provide the most up-to-date and best evidence-based knowledge in diagnosis, treatment and prevention of bone and implant-associated infections in traumatology.

Special emphasis is put on the interdisciplinary teamwork, open discussions and practical advice for the daily clinical work. Case discussions and interactive lectures were specially designed to interact and share experience between speakers and participants.

Since the establishment of the PRO-IMPLANT Foundation in 2013, we have strived to acquire the best international experts in the field. In parallel, the interest in our Workshops is steadily increasing from all over the world, demonstrating the interest and need for such an educational format. This is why PRO-IMPLANT Foundation is honored to continue fulfilling its mission to support and advance international research, medical education and global networking.

I am very pleased to welcome you to Berlin.

Yours sincerely,

Dr. Andrej Trampuz
Chair, Executive Board



Scientific program

08.00 – 08.30	Registration of participants and coffee
08.30 – 08.45	Welcome and goals of the Workshop, introduction of the Pocket Guide
08.45 – 09.15	Osteomyelitis and implant-associated infection
09.15 – 09.45	Bone and device-associated infections: classification, definition, clinical presentation (AO Foundation concepts)
09.45 – 10.15	Diagnostic: a rational approach
10.15 – 10.45	Coffee break
10.45 – 11.15	Surgical concepts
11.15 – 11.45	Systemic antibiotics
11.45 – 12.15	Management of bone defects (use of bone grafts and bone substitutes, Masquelet technique)
12.15 – 13.15	Lunch buffet
13.15 – 13.45	Soft tissue management
13.45 – 14.15	Implant coating
14.15 – 14.45	Local antimicrobial delivery systems
14.45 – 15.15	Outlook: bacteriophages, enzymes, hydrogels
15.15 – 15.45	Coffee break
15.45 – 16.15	Prevention of infection
16.15 – 16.45	Case presentations – common errors leading to treatment failure
16.45 – 17.15	Management of difficult situations – interactive session
17.15 – 17.30	Wrap-up and conclusions



Organizational details

Language: English

Course fee: 290,00 EUR

Early Bird registration: 250,00 EUR
(until 15 days prior to the Workshop)

Credits: Workshops on IFF are accredited by Ärztekammer Berlin.

Certificate: Participants receive an attendance certificate.

Educational material: All presentations, literature and other workshop material are available for participants in the Download Area of the PRO-IMPLANT website. In addition, complimentary printed copies of all PRO-IMPLANT Pocket Guides (last version) will be delivered.

Group size: 40–50 participants

Active participation: Participants are encouraged to actively participate by presenting own complex or challenging cases (approx. 5 slides).

Registration: Only online registration is possible:
<https://pro-implant-foundation.org/en/events/workshops>

Contact: Dr. Wiebke Jansen (scientific coordinator)
Tel: (+49) 030 450 552 407
info@pro-implant-foundation.org

Target audience: Clinicians and life-science researchers with advanced knowledge and interest in implant-associated infections of the following specialties (or enrolled in an educational program):

- Traumatology, orthopedic or related surgeons dealing with bone and implant-associated infections after fracture
- Internal medicine, (micro)biology, infectious diseases or related fields dealing with biofilms and antibiotics
- Pharmacy, pharmacology or related fields dealing with pharmacokinetics/pharmacodynamics

Ideally a complementary team (pair) from individual institutions should attend the same workshop, i.e. orthopedic/trauma surgeon and microbiologist/infectious diseases specialist.