

Online Seminar on Management of Fracture-Related Infections (FRI)

Venue: Online

Module 1 - Background and epidemiology: What is the problem?

Wednesday, May 5th, 2021

18.00 – 18.05	Welcome & introduction	Trampuz (5')
18.05 – 18.10	Introduction voting	Trampuz (5')
18.10 – 18.15	Case 1 (presentation & voting)	Metsemakers (5')
18.15 – 18.30	Biofilm: the bad and the ugly – Basics of biofilm and action of biofilm-active antibiotics	Trampuz (15')
18.30 – 18.45	Understanding fracture-related infections – Pathogenesis, classification, definition criteria	Metsemakers (15')
18.45 – 19.00	Case 1 (discussion) and Q&A	Metsemakers /Trampuz (15')
19.00 – 19.05	Break – Video: Biofilm with live comments	Trampuz (5')
19.05 – 19.20	Osteomyelitis – Pathogenesis, classification	Morgenstern (15')
19.20 – 19.35	Septic arthritis – Standardized surgical algorithm	Perez (15')
19.35 – 19.40	Case 2 (presentation & voting)	Morgenstern (5')
19.40 – 19.55	Case 2 (discussion) and Q&A	Morgenstern /Trampuz (15')
19.55 – 20.00	Wrap-up and homework case 3 (E-learning)	Trampuz (5')

Module 2 - Diagnostic algorithm: What is necessary?

Wednesday, May 12th, 2021

18.00 – 18.05	Welcome & Introduction	Trampuz (5')
18.05 – 18.10	Case 3 (presentation & voting)	Renz (5')
18.10 – 18.25	Standard diagnostic approach – Preoperative & intraoperative tests	Renz (15')
18.25 – 18.40	Novel diagnostic methods – Biomarkers, sonication, molecular methods	Trampuz (15')
18.40 – 18.55	Case 3 (discussion) and Q&A	Renz/Trampuz (15')
18.55 – 19.05	Break – Video: Sonication with live comments	Trampuz (10')
19.05 – 19.20	Imaging – x-ray, scintigraphy, CT, MRI, PET-CT	Ojeda-Thies (15')
19.20 – 19.35	Surgical sampling	Alt (15')
19.35 – 19.40	Case 4 (presentation & voting)	Ojeda-Thies (5')
19.40 – 19.55	Case 4 (discussion) and Q&A	Ojeda-Thies/Trampuz (15')
19.55 – 20.00	Wrap-up and homework case 5 (E-learning)	Trampuz (5')

Module 3 - Surgical therapy – decision-making process

Wednesday, May 19th, 2021

18.00 – 18.05	Welcome & Introduction	Trampuz (5')
18.05 – 18.10	Case 5 (presentation & voting)	Metsemakers (5')
18.10 – 18.25	General surgical principles – Algorithmic approach	Metsemakers (15')
18.25 – 18.40	Management of bone defects (Masquelet technique)	Ojeda-Thies (15')
18.40 – 18.55	Case 5 (discussion) and Q&A	Metsemakers/Trampuz (15')
18.55 – 19.05	Break – Surgical revision with live comments	Alt (10')
19.05 – 19.20	Resorbable bone substitutes	Ojeda-Thies (15')
19.20 – 19.35	Antimicrobial coating of implants	Alt (15')
19.35 – 19.40	Case 6 (presentation & voting)	Alt (5')
19.40 – 19.55	Case 6 (discussion) and Q&A	Alt/Trampuz (15')
19.55 – 20.00	Wrap-up and homework case 7 (E-learning)	Trampuz (5')

Module 4 - Antibiotic therapy: when, what, how and how long?

Wednesday, May 26th, 2021

18.00 – 18.05	Welcome & Introduction	Trampuz (5')
18.05 – 18.10	Case 7 (presentation & voting)	Pérez (5')
18.10 – 18.25	Antibiotic management – Role of biofilm-active antibiotics	Trampuz (15')
18.25 – 18.40	Role of local antibiotics	Pérez (15')
18.40 – 18.55	Case 7 (discussion) and Q&A	Pérez/Trampuz (15')
18.55 – 19.05	Break – Video: Application of bacteriophages during surgery	Metsemakers (10')
19.05 – 19.20	Common errors in treatment	Ojeda-Thies (15')
19.20 – 19.35	Outlook into the future: the post-antibiotic era	Trampuz (15')
19.35 – 19.40	Case 8 (presentation & voting)	Ojeda-Thies (15')
19.40 – 19.55	Case 8 (discussion) and Q&A	Ojeda-Thies/Trampuz (15')
19.55 – 20.00	Wrap-up & closure	Trampuz (5')