

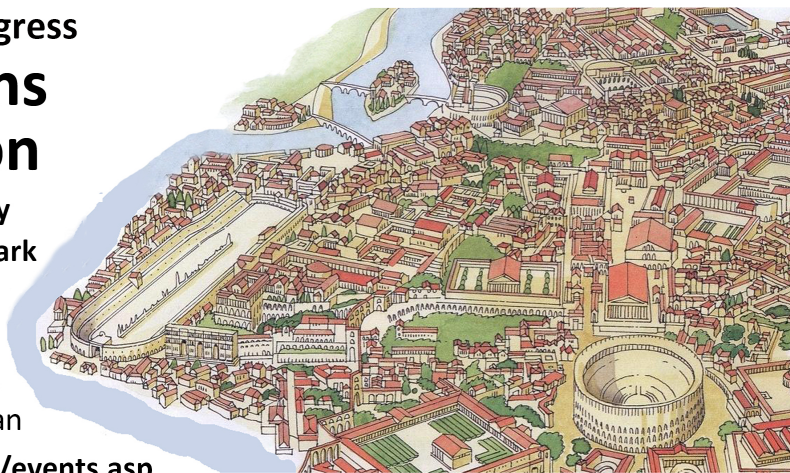
3<sup>rd</sup> advanced course and congress

# Imaging infections and inflammation

9-12 December 2019, Roma, Italy  
Hotel Marriot Courtyard Central Park

**Organized by:** V. Artiko, S. Auletta,  
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Under the auspices of:



## Final program of Congress

Monday 9<sup>th</sup> December 2019

08:00-09:00 Registration and poster preparation

**State-of-the-art session:** The new European guidelines

**Chairmen:** Piaggio - Treglia - Schillaci

09:00-09:30 Procedural guidelines available on inflammation/infection imaging (Lazzeri, Pisa, Italy)

09:30-10:00 Diagnostic guidelines available on MSK infection imaging (Signore, Rome, Italy)

10:00-10:30 Diagnostic guidelines available on LVV and Sarcoidosis imaging (Gheysens, Leuven, Belgium)

10:30-11:00 Coffee break

**Scientific session 1:** Imaging spine infections

**Chairmen:** Artiko - Manfrè - Bagni

11:00-11:20 Radiological imaging of spine infections: X-ray, CT and NMR (Romano, Rome, Italy)

11:20-11:40 Nuclear Medicine imaging of spine infections: WBC and FDG (Lazzeri, Pisa, Italy)

11:40-12:00 The spinal interventional neuroradiologist: how to use diagnostic information in clinical practice (Manfrè, Catania, Italy)

12:00-12:30 Round table discussion

**Poster session:** Pre-clinical and clinical studies

12:30-13:00 **Chairmen:** Galli - Van de Wiele - Burroni - Wiseman

13:00-14:00 Lunch break

**Scientific session 2:** Imaging peripheral bone osteomyelitis and prosthetic joint infections

**Chairmen:** Petrosillo - Giordano - D'Arrigo

14:00-14:20 Why surgeons think imaging has no role in PJI diagnosis? (Romanò, Milan, Italy)

14:20-14:40 Radiological imaging of OM and PJI: X-ray film and CT (Argento, Rome, Italy)

14:40-15:00 Radiological imaging of OM and PJI: NMR (Sconfienza, Milan, Italy)

15:00-15:20 Nuclear Medicine imaging of OM and PJI: WBC (Signore, Rome, Italy)

15:20-15:40 Nuclear Medicine imaging of OM and PJI: FDG (Glaudemans, Groningen, The Netherlands)

15:40-16:00 Round table discussion

16:00-16:30 Coffee break

**Symposium 1: FDG or WBC for imaging PBI and PJI?**

**Chairmen:** Geysens - Maes - Sathekge

16:30-16:45 Pro FDG (Treglia, Bellinzona, Switzerland)

16:45-17:00 Pro FDG (Alavi, Philadelphia, USA)

17:00-17:15 Pro WBC (Signore, Rome, Italy)

17:15-17:30 Pro WBC (Palestro, New York, USA)

17:30-18:00 Round table discussion (additional discussants: Ali Fassouli, Andrea Marzili and Lucia Retanda)

18:00-18:30 General member's assembly

20:00-23:00 Social dinner

**Tuesday 10<sup>th</sup> December 2019**

**Scientific session 3: Imaging diabetic foot infections**

**Chairmen:** Cavallini - Pugliese

09:00-09:20 Radiological imaging of diabetic foot infection: X-ray, CT and NMR (Leone, Rome, Italy)

09:20-09:40 Nuclear Medicine imaging of diabetic foot infection: WBC and FDG (Lauri, Rome, Italy)

09:40-10:00 The diabetologist: how to use diagnostic information in clinical practice (Uccioli, Rome, Italy)

10:00-10:30 Round table discussion

10:30-11:00 Coffee break

**Symposium 2: Can we image bacteria?**

**Chairmen:** Artiko - Signore - Cataldo

11:00-11:15 Imaging bacteria by gamma camera (Auletta, Rome, Italy)

11:15-11:30 Imaging bacteria by PET (Hess, Esbjerg, Denmark)

11:30-11:45 Imaging bacteria in humans: is it really feasible? (Sathekge, Pretoria, South Africa)

11:45-12:00 Clinimetric measures for WBC scan and FDG PET/CT in patients with bacterial infection (Campagna, Rome, Italy)

12:00-12:30 Round table discussion

12:30-13:30 Lunch break

13:30-13:45 **Sponsored lecture 1:** MILabs presentation by Adam Badar

13:45-14:00 **Sponsored lecture 2:** Hermes medical presentation by Helena McMeekin

**Scientific session 4: Imaging vascular graft infections**

**Chairmen:** Rossi - Tshomba - Erba

14:00-14:20 Radiological imaging of vascular graft infections: X-ray, CT and NMR (Iezzi, Rome, Italy)

14:20-14:40 Nuclear Medicine imaging of vascular graft infections: WBC and FDG (Lauri, Rome, Italy)

14:40-15:00 The vascular surgeon: how to use diagnostic information in clinical practice (Taurino, Rome, I)

15:00-15:30 Round table discussion

15:30-16:00 Coffee break

**Scientific session 5: Imaging cardiac associated infections**

**Chairmen:** Lauri - Autore - Laghi

16:00-16:20 Radiological imaging of endocarditis and CIED: X-ray, CT and NMR (Galea, Rome, Italy)

16:20-16:40 Nuclear Medicine imaging of endocarditis and CIED: WBC and FDG (Erba, Pisa, Italy)

16:40-17:00 The cardiologist: how to use diagnostic information in clinical practice (Bandera, Milan, Italy)

17:00-17:30 Round table discussion

## Practical Course

### Wednesday 11<sup>th</sup> December 2019 - *Practical session in English*

- 09:00-09:40 Basic aspects of inflammation and strategies for imaging Infections (Signore)
- 09:40-10:00 Instrumentation for white blood cell labelling (Signore)
- 10:00-10:30 Coffee break
- 10:30-10:45 Quality controls for radiolabelled white blood cells (Lazzeri)
- 10:45-11:00 Techniques for white blood cell labelling (Lazzeri)
- 11:00-11:10 Patient flow and SOP (Lazzeri)
- 11:10-11:30 WBC labelling in practice (Open procedure movie) (Lauri)
- 11:30-12:15 WBC labelling in practice (Leukokit and QCs movie) (Lauri)
- 12:15-13:00 WBC labelling in practice (play with vials and Leukokit) (Signore, Lazzeri, Lauri)

### Wednesday 11<sup>th</sup> December 2019 - *Practical session in Italian*

- 15:00-15:40 Concetti base e strategie per l'imaging delle infezioni (Signore)
- 15:40-16:00 Strumentazione per la marcatura dei leucociti (Signore)
- 16:00-16:30 Coffee break
- 16:30-16:45 Controlli di qualità per le cellule radiomarcate (Lazzeri)
- 16:45-17:00 Tecniche di marcatura dei leucociti (Lazzeri)
- 17:00-17:10 Il flusso del paziente e SOP (Lazzeri)
- 17:10-17:30 Marcatura del leucociti in pratica (filmato su procedura "open") (Lauri)
- 17:30-18:15 Marcatura del leucociti in pratica (filmato su Leukokit e CQ) (Lauri)
- 18:15-19:00 Marcatura del leucociti in pratica (prove con provette e Leukokit) (Signore, Lazzeri, Lauri)

### Thursday 12<sup>th</sup> December 2019 - *Practical session in English and Italian*

- 08:30-13:00 Purification of WBC and labelling with Leukokit® (coffee break included) (Signore)
- 13:00-14:00 Lunch break
- 14:00-15:30 Quality controls, SOP and question time (Lauri)

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