### Level 3 Course on Bone & Joint

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#### Thursday, April 4, 2019

**Session I - Introduction Part 1**

- 09:30 - 09:40: Introduction of the Speaker and the Participants
- 09:40 - 10:10: Evaluation Quiz/Assessment of Starting Knowledge

**10:10 - 11:10: Introduction - Part I: Repairing and replacing the ailing skeleton: Indications, techniques, epidemiology, outcomes, clinical challenges**

**11:10 - 11:30: Coffee Break**

**Session II - Introduction Part 2**

- 11:30 - 12:30: Introduction - Part II: Reporting dangerously in multimodality imaging for delayed complications of post-operative instrumented skeleton: How to get out?

**12:30 - 13:00: Interactive session I + II: Discussion**

**13:00 - 13:30: Lunch Break**

**Session III**

- 13:55 - 14:25: Total hip arthroplasty - Positive and differential diagnosis of loosening through bone SPECT/CT: Image acquisition workflow and post-processing, reading grid, diagnostic efficacy
- 14:25 - 15:25: Interactive session III: Bring your own cases along

**15:25 - 15:40: Coffee Break**

**Session IV**

- 15:55 - 16:45: Total knee arthroplasty: Positive and differential diagnosis of loosening through bone SPECT/CT: Image acquisition workflow and post-processing, reading grid, diagnostic efficacy
- 16:45 - 17:45: Interactive session IV: Bring your own cases along

**17:45 - 18:00: Discussion on Last Open Questions**

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#### Friday, April 5, 2019

**Session V**

- 09:00 - 09:40: Total shoulder arthroplasty: Operative indications, surgical techniques vade mecum
- 09:40 - 10:10: Hands on Training Session V
- 10:10 - 10:30: Coffee Break
- 10:30 - 10:55: Total shoulder arthroplasty: Bone SPECT/CT, radionlabelled leucocytes SPECT/CT, FDG PET/CT reading grid
- 10:55 - 11:15: Interactive Session V: Bring your own cases along
- 11:55 - 12:15: Hands on Training Session V

**Session VI**

- 12:15 - 12:55: Foot arthrodesis: Positive and differential diagnosis of pseudarthrosis (fusion failure) through bone SPECT/CT: Image acquisition workflow and post-processing, reading grid, diagnostic efficacy
- 12:55 - 13:15: Interactive Session VI: Discussion

**13:15 - 14:00: Lunch Break**

**Session VII**

- 14:00 - 14:40: Spine arthrodesis: Operative indications, brevity and biomechanisms of surgical instrumentation, pseudarthrosis (fusion failure) and other painful spine issues
- 14:40 - 15:00: Interactive Session VII: Bring your cases along
- 15:00 - 15:40: Spine arthrodesis: Positive and differential diagnosis of pseudarthrosis through bone SPECT/CT
- 15:40 - 16:00: Hands on Training Session VII
- 16:00 - 16:30: Evaluation/Test of Gained Knowledge
- 16:30 - 17:00: Debriefing of the Course: The 10 commandments for the Nuclear Medicine Practitioner to optimize diagnostic yield of hybrid imaging

**17:00: End of Day 2**