



9th Advanced Course in Spine Neuroradiology

DIAGNOSTIC AND INTERVENTIONAL

Course Director: Prof. Luigi Manfrè
Local Organisers: Dr. Reuben Grech, Dr. Kelvin Cortis

Malta, 8-10 November 2018

Hilton Hotel, St Julian's , Malta



TWO DAYS OF SCIENTIFIC SESSIONS
PLUS ONE DAY HANDS-ON COURSE

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8th November

Spine: Degenerative I –Nerve, Disc & Pain

- Spine imaging: Dual CT, DTI, 3T: what do we need to know
- The growing & the aging spine
- Imaging of aging Spine: cervical
- Imaging of aging Spine: thoraco-lumbar
- The post-operative spine
- Spine pain: what to look for in our images
- ESI. What we can, and what we cannot treat
- Percutaneous cervical disc treatment
- Percutaneous lumbar disc treatment
- Regenerative disc therapy
- Neurolysis in back pain management
- Percutaneous Cranial nerve stimulators
- Spinal cord stimulator

Spine: Degenerative II – Joints & Instability

- Dynamic MRI of the spine normal and abnormal
- EOS: up-to-date in spine imaging
- Facet joint biomechanics & diagnosis
- Facet joints ablation: Heating or Freezing?
- Percutaneous cervical fixation:
- Percutaneous lumbar fixation:
- Sacro-Iliac joint biomechanics & diagnosis
- Sacro-Iliac painful instability: percutaneous treatment.
- Spinal canal and foramina stenosis: clinical and imaging diagnosis
- Spacer & Fixer: up to date
- US guided Spine procedures
- Failed Back Surgery Syndrome: diagnosis & percutaneous treatments

9th November

Spine: Primitive and Secondary Tumors

- Intramedullary cord tumors
- Primary spine tumors: imaging
- Spine metastasis: imaging
- Non-neoplastic spinal cord pathology
- Spine intervention in tumors: choosing the right approach with X-ray and CT
- Multiple Myeloma: percutaneous treatment
- Primary spine tumors: percutaneous treatment
- Hypervascular spine lesions: interventional
- Primitive and secondary Spine Tumors: up to date in Cryoablation
- Spine metastasis: Clinical management
- Spine metastasis: Radiotherapy
- Spine metastasis: Surgery
- Spine metastasis: Minimally invasive treatments

Spine: Fracture & Trauma

- Advanced Imaging of pediatric spine trauma
- Advanced Imaging of adult spine trauma
- Update on cranio-cervical junction trauma
- Hi-res imaging of brachial plexus and peripheral nerves damage
- Imaging of CSF leaks
- Surgical treatment of spine trauma
- Percutaneous VP-KP in spine trauma
- Diagnostic approach to porotic spine disease
- Percutaneous augmentation in porotic fractures: up to date
- Percutaneous augmentation in porotic fractures: new biomaterials

10th November

Spine: Hands On session

Keynote lecture: How to organize and manage a spine intervention unit

Three simultaneous sessions at **Mater Dei Hospital (MDH), Triq Dun Karm, L-Imnsida, Malta**
Radiology Department:

- Hands on disk treatment
- Hands on joint treatment
- Hands on nerve treatment
- Hands on vertebra treatment