Monday, October 28, 2019

08:00-08:10 Welcome/Opening Remarks – R Cosgrove
08:10-08:40 Historical Perspective – J Regis

08:40-09:00 Pros and Cons of Lesioning vs DBS – M. Hariz
09:00-09:30 Stereotactic Principles – L Zrinzo
Frame application, Image acquisition/distortion/fusion/shift

09:30-09:45 Intraop technique: principle of impedance monitoring – Zrinzo
09:45-10:00 Intraop technique: principle of macrostimulation - Hariz
10:00-10:15 Intraop technique: principle of MER – Régis

10:15-10:45 Coffee Break

10:45-12:00 Lesioning Techniques & physical principles : 15mn each

Radiofrequency -- T Taira
Gamma Knife-- J Regis
Focused Ultrasound -- J Elias,
LITE -- M Lefranc
Via DBS électrodes -- T Taira

12:00-13:00 LUNCH

13:00-14:40 Thalamus VIM/VOP/VOA; ZI/PSA

- Anatomy Giorgio Spatola 20 mn
- Stereotactic Targeting How I do it including imaging, targeting, MER, Impedance, Macrostimulation, intraoperative control )
  Hariz, Taira, Cosgrove, Régis, PB (10 min each). 60mn
- Clinical outcome
  VOA Thermo T Taira 5mn
  VIM RS JR 5 mn
  VIM HIFU Elias 5 mn
  ZI/PSA – P Blomstedt 5 mn

14:40-16h00 Pallidum

- Anatomy Harith Akram 20 mn
- Stereotactic Targeting How I do it including imaging, targeting, MER, Impedance, Macrostimulation, intraoperative control )
  Hariz, Kostiuk, Cosgrove, (10 min each). 30 mn
- Clinical outcome in Parkinson & Dystonia
  Zrinzo, Cosgrove, K Kostiuk (10 min each) 30 mn
16:00-16h30   Coffee break

16h30-18h00   STN
  • Anatomy (15mn) Guridi
  • Stereotactic Targeting How I do it including imaging, targeting, MER, Impedance, Macrostimulation, intraoperative control )
      Guridi, Régis (10 min each).
  • Clinical outcome in Parkinson
      Guridi, Régis (5 min each).

18h00- 18h30   Panel Discussion

18:30-22:00   Dinner and Get-Together

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08:00-09:30   Limbic system
  • Anatomy (20 mn) Spatola
  • Stereotactic Targeting How I do it including imaging, targeting, MER, Impedance, Macrostimulation, intraoperative control )
      R Cosgrove, R Martinez, J Woo (10 min each).
  • Outcome in OCD and depression (Indications results complications)
      Cosgrove, Martinez, J Woo (10 min each).

9:30-11:00   Coffee Break and Hands On Demonstration of MR targeting and egg albumine lesioning (Framelink; Surgiplan; Elekta, Radionic Cosman/Integra / inomed/ Insightec/others ?)

11:00-12:00   Pain Ablative Techniques (15mn each)
    Cordotomy and Myelotomy for Pain-   P Patil
    CT Guided Percutaneous Cordotomy-   I Strauss
    Mesencephalotomy for Pain-        J Regis
    Hypophysectomy for pain-         A Balossier

12:00-13:00   LUNCH

13:00-15:00   Live Demonstration Cases (Virtual Cases led by Faculty)
    Pallidum MH
    VOA    TT
    STN – Guridi,
    ZI/PSA – P Blomstedt
    Cingulotomy, Limbic Leucotomy, Capsulotomy – R Cosgrove
15:00-15:30  Coffee Break

15:30-16:30  Advance imaging
    •  Diffusion tractography - Harith Akram
    •  Resting State MRI / VBM - Constantin Tuleasca

16h30-17h30  Stereotactic lesioning for Epilepsy; indications and techniques
    •  RF Thermocoagulation of the EZ - Parpaley Yaroslav
    •  RF Anterior Nucleus of the thalamus – A Sitnikov
    •  LITE & SRS results - J Régis

17:30-18:00  Panel Discussion

18:00-18:15  Concluding Remarks