

## The Noble Art of Lesioning – Marseille - October 28-29, 2019

*under the auspices of the ESSFN and the WSSFN*

### Monday, October 28, 2019

- 08:00-08:10 Welcome/Opening Remarks - *R. Cosgrove*
- 08:10-08:40 Historical Perspective - *J. Régis*
- 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
- 09:20- 09:45 Intraop technique: principle of impedance monitoring - *L. Zrinzo*
- 09:45- 10:00 Intraop technique: principle of macrostimulation - *M. Hariz*
- 10:00-10:15 Intraop technique: principle of MER - *J. Régis*
- 10:15-10:45 Coffee Break
- 10:45-12:00 Lesioning Techniques & physical principles (15 min. each)
- Radiofrequency - *T. Taira*
  - Gamma Knife - *J. Régis*
  - Focused Ultrasound - *J. Elias*
  - LITE - *M. Lefranc*
  - Via DBS électrodes - *T. Taira*
- 12:00-13:00 LUNCH
- 13:00-15:00 **Thalamus VIM/VOP/VOA; ZI/PSA**
- Anatomy (15 min.)
  - Stereotactic Targeting: How I do it including imaging, targeting, MER, Impedance, Macrostimulation, intraoperative control  
*M. Hariz, T. Taira, R. Cosgrove, J. Régis, P. Blomstedt (5 min. each)*
  - Clinical outcome (5 min. each)
    - VOA Thermo - *T. Taira*
    - VIM RS - *J. Régis*
    - VIM HIFU - *J. Elias*
    - ZI/PSA - *P. Blomstedt*

- 15:00-16:00 **Pallidum**
- Anatomy (15 min.) - *H. Akram*
  - Stereotactic Targeting: How I do it including imaging, targeting, MER, Impedance, Macrostimulation, intraoperative control  
*M. Hariz, K. Kostiuik, R. Cosgrove (5 min. each)*
  - Clinical outcome in Parkinson & Dystonia  
*L. Zrinzo, R. Cosgrove, K. Kostiuik*
- 16:00-16:30 Coffee break
- 16:30-18:00 **STN**
- Anatomy - *J. Guridi (15 min.)*
  - Stereotactic Targeting: How I do it including imaging, targeting, MER, Impedance, Macrostimulation, intraoperative control - *J. Guridi, J. Régis (10 min. each)*
  - Clinical outcome in Parkinson - *J. Guridi, J. Régis (5 min. each)*
- 18:00- 18:30 Panel Discussion
- 18:30-22:00 Dinner and Get-Together

## **Tuesday, October 29, 2109**

- 08:00-09:30 Limbic system
- Anatomy - *G. Spatola (20 min.)*
  - Stereotactic Targeting How I do it including imaging, targeting, MER, Impedance, Macrostimulation, intraoperative control  
*R. Cosgrove, R. Martinez, JW. Chang (10 min. each)*
  - Outcome in OCD and depression (Indications results complications)  
*R. Cosgrove, R. Martinez, JW. Chang (10 min. each)*
- 9:30-11:00 Coffee Break and Hands On Demonstration of MR targeting and egg albumine lesioning**
- 11:00-12:00 Pain Ablative Techniques (15 min. each)
- Cordotomy and Myelotomy for Pain - *P. Patil*
  - CT Guided Percutaneous Cordotomy - *I. Strauss*
  - Mesencephalotomy for Pain - *J. Régis*
  - Hypophysectomy for pain - *A. Balossier*
- 12:00-13:00 LUNCH

- 13:00-15:00 Live Demonstration Cases (Virtual Cases led by Faculty)
- Pallidum - *M. Hariz*
  - VOA - *T. Taira*
  - STN - *J. 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 - *H. Akram*
  - Resting State MRI / VBM - *C. Tuleasca*
- 16:30-17:30 Stereotactic lesioning for Epilepsy; indications and techniques
- RF Thermocoagulation of the EZ - *Y. Parpaley*
  - 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

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WE WOULD LIKE TO THANK THE COURSE PARTNERS & EXHIBITORS FOR THEIR SUPPORT:

