

The Noble Art of Lesioning – Marseille - June 9-10, 2025

under the auspices of the ESSFN and the WSSFN

Monday, June 9, 2025

- 08:00-08:10 Welcome/Opening Remarks
- 08:10-08:40 History of stereo ablative surgery – *P. Blomstedt*
- 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 Current Atlases: from Spiegel & Wycis to modern - *L. Zrinzo*
- 09:45- 10:00 Intraop technique: principle of macrostimulation, impedance monitoring
M. Hariz
- 10:00-10:15 Intraop technique: principle of MER – *TBC*
- 10:15-10:45 Coffee Break
- 10:45-12:00 Lesioning Techniques & physical principles (15 min. each)
- Radiofrequency, cooling, procain oil, balloon – *M. Hariz*
 - Gamma Knife - *J. Régis*
 - Focused Ultrasound – *J. Elias*
 - LITT - *M. Lefranc*
 - Via DBS électrodes - *T. Taira*
- 12:00-13:00 LUNCH
- 13:00-16:00 The main targets (Anatomy targeting, technic, indications & results)

Thalamus VIM/VOP/VOA; ZI/PSA

- RF - *R. Schuurman*
- HIFU - *J. Elias*
- LITT - *M. Lefranc*
- GKS - *J. Régis*

Subthalamotomies RF (cZi, RAPL) etc excluding STN - *P. Blomstedt*

Forellotomy / Pallidothalamic tractotomy by RF/FUS - *S. Horisawa*

Pallidotomy

- RF – *M. Hariz*

- HIFU - *V. Levi*

16:00-16:30 Coffee break

16:30-18:00 **STN**

- RF - *R. Schuurman*
- HIFU - *M. Del Alamo*
- LITT - *M. Lefranc*
- GKS - *J. Régis*

18:00- 18:30 Panel Discussion

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

Tuesday, June 10, 2025

08:00-09:30 Psychiatry (Anatomy targeting, technic results in OCD & Depression)

- Capsulotomy RF - *R. Martinez*
- Capsulotomy GK - *J. Régis*
- Capsulotomy HIFU - *JW Chang*
- Cingulotomy & Limbic Leucotomy RF - *R. Cosgrove*
- Capsulotomy for Anorexia RF - *B. Sun*
- Capsulotomy for Anorexia GKS - *R. Martinez*
- Capsulotomy for addiction - *JW Chang*

09:30-11:00 Coffee Break & 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 – *I. Strauss*
- Mesencephalotomy RF for Pain - *J. Régis*
- Hypophysectomy for pain - *A. Balossier*
- Thalamotomies (CM, CL, ...) – *A. Franzini*

12:00-13:00 LUNCH

13:00-15:00 Live Demonstration Cases (Virtual Cases led by Faculty)

- Pallidum - *M. Hariz*
- VOA - *T. Taira*
- STN – *R. Cosgrove*
- ZI/PSA - *P. Blomstedt*
- Cingulotomy, Limbic Leucotomy, Capsulotomy - *R. Cosgrove*

15:00-15:30 Coffee Break

- 15:30-16:30 Advance imaging - *H. Akram*
- functional anatomy ACCORDING to atlas (what is what on the atlas and what they do)
 - Imaging methods: VG, CT, MRI, others?
 - tractography and its role in TARGETING for stereo lesions
- 16:30-17:30 Stereotactic lesioning for Epilepsy (10 min each)
Including indications, anatomy, preop imaging, DETAILED TECHNIQUE and outcome
- RF Thermocoagulation of the EZ - *Y. Parpaley*
 - RF Anterior Nucleus of the thalamus - *A. Sitnikov*
 - Amygdalotomy RF GK HIFU LITT - *R. Martinez*
 - LITT for HH & other epilepsies - *D. Curry*
 - SRS for HH & Other epilepsies - *J. Régis*
- 17:30-18:00 Panel Discussion
- Present & Future of RF – *T. Taira*
 - Present & Future of GK – *J. Régis*
 - Future of HIFU – *R. Cosgrove*
 - Future of LITT – *D. Curry*
- 18:00-18:15 Concluding Remarks

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