Thursday 14 April (08h30 – 18h30): GENERAL ASPECTS AND PRINCIPLES

08.30-09.00: Registration
09.00-09.10: Welcome (Marwan Hariz, London)
09.10-09.45: History of ablative functional neurosurgery & overview of pros & cons of lesions vs. DBS (Marwan Hariz)
09.45-10.15: My experience of pallidotomy in Houston and Bern (Joachim Krauss; Hannover)
10.15-10.30: DISCUSSION
10.30-11.00: COFFEE & TEA BREAK
11.00-11.40: Stereotactic lesions in OCD & depression. (Keith Matthews, Dundee)
11.40-12.20: Basal Ganglia lesions and Movement Disorders. (José Obeso, Madrid)
12.20-12.45: DISCUSSION
12.45-14.15: LUNCH
14.15-14.45: Stereotactic space, atlases, frames, accuracy (Ludvic Zrinzo, London)
14.45-15.15: Principles of radiofrequency (RF) ablation (Takaomi Taira, Japan)
15.15-15.35: Impedance monitoring (Ludvic Zrinzo)
15.35-16.10: Principles of Gammaknife lesioning (Jean Régis, Marseille)
16.10-16.40: COFFEE & TEA BREAK
16.40-17.05: Imaging of targets and macrostimulation vs. microrecording (Marwan Hariz)
17.05-17.30: Zona incerta anatomy and historical subthalamotomies (Patric Blomstedt, Umeå)
17.30-17.55: Thalamotomy vs. thalamic DBS for tremor (Rick Schuurman, Amsterdam)
17.55-18.30: GENERAL DISCUSSION

Friday 15 April (08h15 – 18h35): SPECIFIC STEREOTACTIC LESIONAL PROCEDURES

08.15-08.55: Anatomy of motor thalamus & radiofrequency Thalamotomy (Takaomi Taira)
08.55-09.30: Anatomy of pallidum & radiofrequency pallidotomy (Marwan Hariz)
09.30-10.15: Gammaknife thalamotomy and subthalamic nucleotomy (Jean Régis)
10.15-10.45: COFFEE & TEA BREAK
10.45-11.15: DISCUSSION
11.15-12.00: Cingulum anatomy & cingulotomy; indications, technique, results (Rees Cosgrove, Boston)
12.00-12.45: Anterior capsule anatomy & capsulotomy; indications, technique, results (Rees Cosgrove)
12.45-14.15: LUNCH
14.15-14.45: DISCUSSION
14.45-15.15: Stereotactic lesional surgery: the experience in Ukraine (Kostiantyn Kostiuk, Kiev)
15.15-15.45: Stereotactic lesions in caudal zona incerta (Erich Fonoff, Sao Paulo)
15.45-16.05: Investigational procedures: Focussed Ultrasound; pros and cons (Takaomi Taira)
16.05-16.25: Investigational procedures: Lesion through DBS electrodes (Takaomi Taira)
16.25-16.55: COFFEE & TEA BREAK
16.55-17.20: Experience of helping in funct. stereotactic procedures in other countries; problems and solutions (Taira)
17.20-17.45: Role of tractography in targeting, and in evaluating stereotactic lesions (Harith Akram, London)
17.45-18.05: Are stereotactic lesions dangerous? (Marwan Hariz)
18.05-18.35: GENERAL DISCUSSION

Saturday 16 April (08h15 to ≤ 13h30): HANDS-ON AND DEMONSTRATIONS

08.15-10.45: Demonstrations of stereotactic targeting on Framelink and Surgiplan softwares for radiofrequency and gammaknife lesionings (thalmotomy; pallidotomy; subthalamotomy; capsulotomy; cingulotomy)
10.45-11.15: COFFEE & TEA BREAK
11.15-12.45: Demonstrations of RF lesions on egg albumin using various types of RF electrodes, and using DBS electrodes.
12.45-13.30: Final comments and discussion

This course is under the auspices of the WSSFN. For further information, please contact: M.Hariz@ucl.ac.uk or L.Taib@ucl.ac.uk