



WS05 DBS: An Overview Workshop

Monday, June 24, 2019

08:00 - 12:00

Clinton

This workshop will provide an introduction to stereotactic functional neurosurgery and deep brain stimulation, as well as an overview of the latest development within the field. Basic areas are covered, such as stereotactic principles, frame based/frameless procedures and awake/asleep surgery, but also new possibilities and challenges, such as directional leads and cyber security. Established indications within movement disorders will be discussed as well as novel indications such as epilepsy, depression, Alzheimer's disease and anorexia.

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| 08:00 | Introduction
Invited Speaker: Patric Blomstedt (Sweden) |
| 08:05 | Methods of stereotaxy, Cartesian coordinates, frame application
Invited Speaker: Sandeep Vaishya (India) |
| 08:25 | NexFrame and Starfix systems
Invited Speaker: Jim McInerney (USA) |
| 08:45 | Asleep DBS and Directional Leads
Invited Speaker: Francisco Ponce (USA) |
| 09:05 | DBS complications
Invited Speaker: Caio Matias (USA) |
| 09:25 | Cyber-Security in Neuromodulation systems
Invited Speaker: Erica Petersen (USA) |
| 09:45 | Hands-On Integration and Coffee Break
Invited Speaker: Willard Kasoff (USA) |
| 10:20 | Neuromodulation for movement disorders – technique, indications and current outcomes
Invited Speaker: Nico Enslin (South Africa) |
| 10:40 | Mechanisms of tremor reduction and ataxia in thalamic DBS
Invited Speaker: Jens Volkmann (Germany) |
| 11:00 | Neuromodulation for epilepsy
Invited Speaker: Jon Willie (USA) |
| 11:20 | Neuromodulation for novel indications: Depression, Alzheimers, Anorexia
Invited Speaker: Nir Lipsman (Canada) |
| 11:40 | Questions and Panel Discussion |