



International Parkinson and
Movement Disorder Society

3rd MDS-ES School on Neuromodulation for Movement Disorders

**University of Barcelona Medical School, Hospital Clínic · Barcelona, Spain ·
September 5- 7, 2019**

<u>DAY 1 – Thursday, September 5, 2019</u>	
TIME	LECTURE
8:45-9:00	Welcome from Course Director
9:00-9:30	Patient selection for PD and tremor
9:30-10:00	Patient selection for dystonia and other movement disorders
10:00-10:30	Patient selection in children with MD
10:30-11:00	Patient selection for psychiatric disorders
11:00-11:30	Discussion – Question and Answer with Faculty
<i>11:30-11:45</i>	<i>Coffee Break</i>
11:45-13:00	Patient selection for surgery: Interactive Video session
<i>13:00-14:30</i>	<i>Lunch</i>
14:30-15:00	Intraoperative MER
15.00-15.30	Direct (Image based) targeting
15:30-16:00	Discussion – Question and Answer with Faculty
<i>16:00-16:30</i>	<i>Coffee Break</i>
16:30-17:00	Essential knowledge for DBS programming
17:00-17:30	Programming with directional systems and multiple frequencies
17:30-18:00	Discussion – Question and Answer with Faculty

20:30	<i>Social Dinner</i>
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<u>DAY 2 – Friday, September 6, 2019</u>	
TIME	LECTURE
9:00-10:00	Troubleshooting: Parkinson’s disease (Interactive)
10:00-11:00	Troubleshooting: Dystonia and other hyperactive MD (Interactive)
11:00-11:30	<i>Coffee Break</i>
11:30-12:30	Troubleshooting: Tremor (Interactive)
12:30-13:00	Troubleshooting: Hardware related complications
13:00-14:30	<i>Lunch</i>
14:30-16:00	Parallel Sessions - Evaluating and reviewing DBS settings in live patients
16:00-17:30	Parallel Sessions - Imaging workshop: From targeting to programming
20:30	<i>Video Dinner (several cases will present by the attendees and will be discussed)</i>

<u>DAY 3 – Friday, September 7, 2019</u>	
TIME	LECTURE
9:00-9:30	Debate: Can DBS modify disease progression? – YES
9:30-10:00	Debate: Can DBS modify disease progression? – NO
10:00-10:30	Discussion – Question and Answer with Faculty
10:30-11:00	<i>Coffee Break</i>
11:00-11:30	New technological approaches for DBS surgery
11:30-12:00	Failed DBS surgery
12:00-12:30	How to set up and maintain a high-quality DBS center
12:30-13:00	Discussion – Question and Answer with Faculty
13:00-13:15	Summer School Closing Remarks