



# Clinical TMS Certification Course Programme

## Day 1

Time	Topic	Content
09.30 – 10.00	<b>Welcome and Introduction</b> Prof. Dr. Alexander T. Sack	
10.00 – 10.45	<b>Fundamentals of TMS</b> Prof. Dr. Alexander T. Sack	History of TMS Physical Principles Neurophysiological Effects Basic Application Procedures Calibrating Stimulation Parameters
10.45 – 11.00	<b>Q&amp;A / Short Break</b>	
11.00 – 11.45	<b>TMS Protocols</b> Dr. Felix Duecker	Single Pulse TMS Paired-pulse TMS Repetitive TMS Theta Burst TMS Primed TMS
11.45 – 12.00	<b>Q&amp;A / Short Break</b>	
12.00 – 12.45	<b>TMS Safety and Procedures</b> Prof. Dr. Teresa Schuhmann	TMS Hardware Considerations TMS Side Effects TMS in Pregnancy and Paediatrics Procedures and Risk Management Recommended Clinical Practise Regulation and Reimbursement
12.45 – 13.00	<b>Q&amp;A</b>	
13.00 – 15.00	<b>Lunch Break</b>	
15.00 – 17.00	<b>Practical Session I</b>	Technical Introduction Safety Checks and Screening Motor Hotspot Localisation Motor Threshold Determination Individual Practice and Feedback State-Dependence of Motor Threshold Excitability beyond Motor Cortex