

# ULTRASOUND IN NEUROSURGERY



We are excited to invite physicians to our two-day neurosurgical workshop held at Hospital Vall D'Hebron, Barcelona, Spain. At this workshop, participants will receive a basic introduction to the use of ultrasound in neurosurgery.




**Hospital Vall D'Hebron, Barcelona, Spain**  
(Passeig de la Vall d'Hebron 119-129)




## AGENDA

### DAY 1. MARCH 31, 2022

 9:00 - 16:30 (CET)

- Welcome and introduction
- Basic Ultrasound Physics for the Surgeon
- Getting Familiar with the Intraoperative Ultrasound System
- Hands-On: Basic Sonography Skills
- Intraoperative Ultrasound in Neurosurgery: Clinical Benefits and Tips for Using It in Your Practice
- Intraoperative Ultrasound (iUS): The Clinical Advantages of iUS in Different Neurosurgical Procedures
- Integration of Intraoperative Ultrasound and Neuronavigation: An Introduction
- Hands-On: Scanning on Brain Phantoms

### DAY 2. APRIL 1, 2022

 9:00 - 15:00 (CET)

- Live Surgery: Case Presentation and Discussion
- Brainlab Neuronavigation: Specifications and Set-Up
- Hands-On: Navigated Ultrasound
- Live Surgery Stream
- Hands-On: iUS in Different Subspecialties
- Roundtable: Discussion on the Live Surgery
- Q&A, Closing Remarks

#### PRESENTED BY:







**MR. WILLIAM LO**  
FRCS(Neuro.Surg.), FEBNS  
Neurosurgeon  
Birmingham Children's Hospital





**DR. FRAN MARTINEZ-RICARTE**  
Neurosurgeon  
University Hospital  
Vall d'Hebron, Barcelona

# AGENDA

**DAY 1.**
**MARCH 31, 2022**
 9:00 - 16:30 (CET)

- 9:00** Registration and coffee 
- 9:30** Welcome and introduction  
Dr. Fran Martinez-Ricarte and Mr. William Lo
- 9:40** Basic Ultrasound Physics for the Surgeon  
Mr. William Lo
- 10:10** Getting Familiar with the Intraoperative Ultrasound System  
Astrid Hendrix, BK Medical
- 10:45** Coffee break 
- 11:00** Hands-On: Basic Sonography Skills  
All
- 12:00** Lunch 
- 13:00** Intraoperative Ultrasound in Neurosurgery: Clinical Benefits and Tips for Using It in Your Practice  
Dr. Fran Martinez-Ricarte
- 13:30** Intraoperative Ultrasound (iUS): The Clinical Advantages of iUS in Different Neurosurgical Procedures  
Mr. William Lo
- 14:15** Integration of Intraoperative Ultrasound and Neuronavigation: An Introduction  
Dr. Fran Martinez-Ricarte
- 14:45** Hands-on: Scanning on Brain Phantoms  
All
- 16:30** End of day 1

**DAY 2.**
**APRIL 1, 2022**
 9:00 - 15:00 (CET)

- 9:00** Live Surgery: Case Presentation and Discussion  
Dr. Fran Martinez-Ricarte
- 9:30** Brainlab Neuronavigation: Specifications and Set-Up  
Nadja Heindl, Brainlab
- 10:00** Hands-on: Navigated Ultrasound  
Nadja Heindl, Brainlab
- 11:00** Live Surgery Stream  
All
- 13:00** Lunch 
- 13:45** Hands-On: iUS in Different Subspecialities
- 14:15** Roundtable: Discussion on the Live Surgery  
Dr. Fran Martinez-Ricarte and Mr. William Lo
- 14:50** Q&A, Closing Remarks  
All
- 15:00** End of day 2


**WORKSHOP FEE**

The workshop is free, but travel and accommodation are not included. Sign-up for the workshop is binding.


**RECOMMENDED ACCOMMODATION**

Hotel Alimara, Barcelona  
<https://alimarahotel.com/en/>



Carrer de Berruguete, 126,  
08035 Barcelona, Spanien


**SIGN UP HERE**

Please note that there are limited places available.