

# CRANIAL NEUROSURGERY FUNDAMENTAL WORKSHOP STANDARD APPROACHES

March 30 & 31 + April 1, 2022  
Ghent, Belgium



## Course Directors

Assoc. Prof. Pablo González, Department of Neurosurgery, Hospital General Universitario of Alicante, Spain

Assoc. Prof. Stefan Wolfsberger, Department of Neurosurgery, Medical University of Vienna, Austria

## Accreditation

An application for accreditation will be submitted with UEMS/EACCME

## Modules

Modules will be based on case scenarios as follows:

- Module 1: Pterional approach plus sphenoid wing meningioma planning, craniotomy & resection
- Module 2: Medial Suboccipital/Retrosigmoid approach plus cerebellopontine angle meningioma (anterior vs. posterior to the cranial nerves) planning, craniotomy & resection
- Module 3: Anterior Interhemispheric/Subtemporal approach plus falcine meningioma planning, craniotomy & resection

## Wednesday, March 30, 2022

Venue: Orsi Academy, Ghent, Belgium (Proefhoevestraat 12, 9090 Melle)

- 8:15 Welcome & Objectives of the training - Prof. González & Prof. Wolfsberger
- 8:25 Course introduction, goals and expectations, confidence assessment - Prof. González & Prof. Wolfsberger
- Module 1: Pterional approach - Prof. Wolfsberger**
- 8:30 Case introduction & surgical anatomy - Prof. González
- 9:00 Indications, variations & case discussions - Prof. Wolfsberger
- 9:30 Approach related complications - Prof. González
- 10:00 Hands-on Cadaver workshop PART I - Prof. González & Prof. Wolfsberger
- 11:00 Morning break
- 11:30 Hands-on Cadaver workshop PART II - Prof. González & Prof. Wolfsberger
- 13:00 Lunch
- 13:45 Navigation related to the approach - Prof. Wolfsberger
- 14:00 Hands-on Planning workshops on planning station - Prof. González & Prof. Wolfsberger
- Image fusion
  - Create 3D models (skin, skull, brain, vessel, tumor)
  - Craniotomy planning (trajectory)
  - Export plan and load to navigation stations
- 15:30 Hands-on advanced model - Prof. González & Prof. Wolfsberger
- Surface tracking & surgical planning
  - Dissection on pathology model - Sphenoid wing meningioma
  - Evaluation
- 17:00 Questions & Answers and Recap of day 1
- 17:30 End of program day 1, return to hotel
- 19:30 Group dinner

## Thursday, March 31, 2022

Venue: Orsi Academy, Ghent, Belgium (Proefhoevestraat 12, 9090 Melle)

- 8:15 Review of day 1 and Quiz - Prof. González & Prof. Wolfsberger  
**Module 2: Medial suboccipital & retrosigmoid approach - Prof. González**
- 8:30 Case introduction & surgical anatomy - Prof. Wolfsberger
- 9:00 Indications, variations & case discussions - Prof. González
- 9:30 Approach related complications - Prof. Wolfsberger
- 10:00 Hands-on Cadaver workshop PART I - Prof. González & Prof. Wolfsberger
- 11:00 Coffee break
- 11:30 Hands-on Cadaver workshop PART II - Prof. González & Prof. Wolfsberger
  
- 12:45 Lunch
- 13:30 Navigation related to the approach - Prof. Wolfsberger
- 13:45 Hands-on Planning workshops on planning station - Prof. González & Prof. Wolfsberger
  - Image fusion
  - Create 3D models (skin, skull, brain, vessel, tumor)
  - Craniotomy planning (trajectory)
  - Export plan and load to navigation stations
- 15:15 Hands-on advanced model - Prof. González & Prof. Wolfsberger
  - Surface tracking & surgical planning
  - Dissection on pathology model - CPA meningioma
- 17:00 Questions & Answers and Recap of day 2
- 17:30 End of program day 2, return to hotel

## Friday, April 1, 2022

Venue: Orsi Academy, Ghent, Belgium (Proefhoevestraat 12, 9090 Melle)

- 8:00 Review of day 2 and Quiz  
**Module 3: Anterior interhemispheric - Prof. Wolfsberger (& Subtemporal approach - Prof. González)**
- 8:15 Case introduction & surgical anatomy - Prof. González
- 9:00 Indications, variations & case discussions - Prof. Wolfsberger
- 9:45 Approach related complications - Prof. González
- 10:00 Hands-on Cadaver workshop - Prof. González & Prof. Wolfsberger
- 12:00 Lunch
- 12:45 Navigation related to the approach - Prof. Wolfsberger
- 13:00 Hands-on Planning workshops on planning station - Prof. González & Prof. Wolfsberger
  - Image fusion
  - Create 3D models (skin, skull, brain, vessel, tumor)
  - Craniotomy planning (trajectory)
  - Export plan and load to navigation stations
- 13:45 Hands-on advanced model - Prof. González & Prof. Wolfsberger
  - Surface tracking & surgical planning
  - Dissection on pathology model - Parafalcine interhemispheric meningioma
- 14:45 Closure remarks and course evaluation - Prof. González & Prof. Wolfsberger
  
- 15:00 End of program, transfers to airport and train station