

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

This training program has been granted 22 European CME credits (ECMECs) by the European Accreditation Council for Continuing Medical Education (EACCME), event reference number LEE22-00004

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 Coffee 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

Evening at leisure

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