



BASIC NEUROENDOSCOPIC HANDS-ON TRAINING PROGRAM

Santander - November, 12th-14th



Hospital virtual Valdecilla is a high-performance clinical simulation training-center for healthcare professionals.

Our teaching methodology is based on experiential learning and self-reflection on practice. Each learner is the main character on its own active training process.

With a broad professional team, participants enjoy modern facilities and technologies and a complete course catalogue with activities designed to meet the needs of every healthcare organization.

Program Objectives

The training course offers a **combined didactic and laboratory program** designed to provide the participants with the basic knowledge in neuroendoscopy.

Didactic sessions will be focused on **basic concepts, both anatomical and technical, as well as on indications and complications of neuroendoscopic work.**

Laboratory sessions will be the most important part of the course; we will **learn step by step all basic neuroendoscopic surgical techniques** practicing with different anatomical models. For the **hands-on sessions, participant will train with cadavers and experimental animals.**

The main objective is that all participants **learn basic endoscopic principles in ventricular, sellar and spine surgery.**

This activity is designed for **neurosurgical residents and young neurosurgeons** and admits 6 participants.

Course Directors

Dr. Alfonso Vázquez Barquero

Chief of Neurosurgery Department
Hospital Marqués de Valdecilla
HvV Instructor

Dr. David Mato Mañas

Physician of Neurosurgery Department
Hospital Marqués de Valdecilla
HvV Instructor



AMERICAN COLLEGE OF SURGEONS • DIVISION OF EDUCATION®
ACCREDITED EDUCATION INSTITUTES
ENHANCING PATIENT SAFETY THROUGH SIMULATION



1st DAY: VENTRICULAR ENDOSCOPY	08h00 – 08h15	Registration
	08h15 – 08h20	Welcome by Dr. Alfonso Vázquez Barquero
	08h20 – 08h30	Introduction.
	08h30 – 08h50	General objectives of the course. Ventricular endoscopy concept and special equipment.
	08h50 – 09h20	Intraventricular endoscopic anatomy.
	09h20 – 09h30	LABORATORY I: Lab introduction
	09h30 – 11h30	Practical Session: ENDOTRAINER (swine model)
	11h30 – 11h45	Coffe Break
	11h45 – 12h05	Basic techniques in ventricular endoscopy
	12h05 – 12h15	LABORATORY II: Lab introduction
	12h15 – 14h00	Practical Session : STORZ phantoms
	14h00 – 15h00	Lunch time
	15h00 – 15h20	Indications and complications in endoscopic ventricular surgery.
	15h20 – 15h30	LABORATORY III: Lab introduction
15h30 – 18h00	Practical Session: Hands-on cadaveric specimen	
18h00 – 18h20	Interactive case presentation.	
18h20 – 18h40	Objectives evaluation.	
2nd DAY: SELLAR ENDOSCOPY	08h30 – 09h00	Concept and special equipment.
	09h00 – 09h20	Nasal fossa and sellar endoscopic anatomy.
	09h20 – 09h30	LABORATORY I: Lab introduction
	09h30 – 11h30	Practical Session: phantoms
	11h30 – 11h45	Coffe Break
	11h45 – 12h05	Basic techniques in sellar endoscopic surgery
	12h00 – 14h00	Practical Session: animal model (swine head)
	14h00 – 15h00	Lunch time
	15h00 – 15h20	Indications and complications in endoscopic sellar surgery.
	15h20 – 15h30	LABORATORY III: Lab introduction
	15h30 – 18h00	Practical Session: Hands – on cadaver
	18h00 – 18h20	Interactive case presentation.
	18h20 – 18h40	Objectives evaluation.
	3rd DAY: SPINE ENDOSCOPY	08h40 – 09h00
09h20 – 09h30		LABORATORY I: Lab introduction
09h30 – 11h30		Practical session: Lumbar discectomy EASY GO SYSTEM (Life swine model)
11h30 – 12h00		COFFE BREAK
12h00 – 14h00		Practical session : Lumbar discectomy EASY GO SYSTEM (Life swine model)
14h00 – 15h00		Lunch time
15h00 – 15h20		Concept, anatomy, Basic techniques, indications and complications in endoscopic thoracic discectomy.
15h20 – 15h30		LABORATORY II: Lab introduction
15h30 – 18h00		Practical session: Thoracic discectomy (Life swine model)
18h00 – 18h20		Interactive case presentation.

Tuition: 1.250,00€

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