

4th Multidisciplinary Anatomical Orbital & External Paranasal Sinus Dissection Course

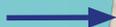
Endorsed by:

University of Barcelona - Faculty of Medicine and Health Sciences.
With the support of Clarós Foundation.

Transcraneal



Transethmoidal



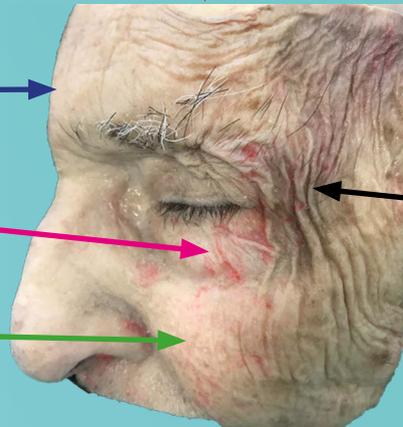
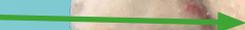
Transconjunctival



External



Transmaxillar



Course Directors:

Pedro Clarós, MD PhD
Marta López-Fortuny, MD
Andrés Clarós, MD



UNIVERSITAT DE
BARCELONA



Barcelona, Spain.
XXXXXXXXXX, 2024

COURSE INFORMATION

LANGUAGE:

The course is conducted in English.

REGISTRATION FEES:

Specialists.....1300 Euros
Residents*1000 Euros

*Please send us a document that confirm that you are a resident.
Space is limited due to the fixed number existence of laboratory units.

CERTIFICATE:

Extended certificate with the acknowledge of the Clarós Foundation and “*Universitat de Barcelona*”. The course length is 24 hours, equivalent to 2.5 credits.

Recognized by the Health Department of Catalanian Government.

INVITATION LETTER AND VISA REQUEST:

To receive a letter of invitation for visa purpose please contact:
clinica@clinicaclaros.com

ANATOMICAL SPECIMENS FREE OF VIRAL CONTAMINATION

**Certified by OSSMA - University of Barcelona
(Office of Safety, Health and the Environment). Update Year 2024.**

All courses include:

Video based lectures - Hands-on lab dissection (1 sample) - Course material-
Dissection set (tools) - Certificate - Lunch and coffee
*** If you need special food (Vegetarian) please inform us.

No insurance

The course organization does not take out insurance to cover any individual against accidents, thefts or other risks.

Transportation

Not provided for participants.

Dress code

Each participant will receive a disposable scrub set (gown, pijama, gloves, surgical cap).

INTRODUCTION

Clínica Clarós Laboratory practice on hands-on dissection, lecture and video based course aimed at Senior trainees, fellows and junior consultants in Ophthalmology, Neurosurgery, Maxillofacial, Otorhinolaryngology and Facial Plastic surgery.

Under the guidance of a very experienced surgical faculty, course participants will perform dissections on fresh cadaver specimens and will have the opportunity to enhance their knowledge regarding surgery of the orbit and paranasal sinus using demonstrative techniques and applications on clinical cases.

The Lab has 16 fully equipped work stations, microscopes, set of instruments and state of the art micro drilling systems.

Since 1983 we have had the opportunity of training more than 3000 Residents & Specialists from Spain and different countries around the world in our Permanent Temporal Dissection Laboratory and we now are innovating this new Multidisciplinary Orbital Approach on human specimen. We know what each participant needs.

IMPORTANT KEY:

All the specimens are preserved and prepared with silicone to have the sensation of a live surgery seeing all the structures and blood vessels.



SCIENTIFIC PROGRAMME

MONDAY

- 08:00-08:30 Reception of participants & welcome address.
08.30-09.00 Introduction of the Faculty. Course objectives.
09.00-09.30 Presentation on Transcranial approach of the orbit and frontal sinus (1st)
09.30-10.00 Coffee break
10.00-12.00 Hands-on **First Approach.**
12.00-12.30 Presentation on Lateral approach of the orbit. (2nd)
12.30-13.30 Hands-on **Second Approach. (Part A)**
13.30-13.40 Photo participant group
13.45-15.00 Lunch Break
15.00-16.00 Hands-on **Second Approach. (Part B)**
16.00-16.30 Presentation on Transethmoidal approach of the orbit (3rd)
16.30-17.30 Hands-on **Third Approach**
17.30-18.00 Presentation of External Dacricistorhinostomy approach (4th)
18.00-19.30 Hands-on **Fourth Approach**
19.30 Adjournment

Important recommendation:

Clean up the work area and return all equipment to the proper place when the dissection is finished.

TUESDAY

- 08.00-08.30 Reception of participants
08.30-09.00 Presentation of Palpebral approach. Cantholysis and Canthotomy (5th)
09.00-10.00 Hands-on **Fifth Approach.**
10.00-10.30 Coffee break
10.30-11.00 Presentation on Maxillar & Frontal Sinus Dissection (6th)
11.30-13.30 Hands-on **Sixth Approach.**
13.30-14.30 Lunch Break
14.30-15.00 Delivery of Certificates
15.00-18.30 Free time Hands-on Dissection & Osteosynthesis Workshop
18.30 Adjournment

Important recommendation:

Clean up the work area and return all equipment to the proper place when the dissection is finished.

SCIENTIFIC PROGRAMME

First approach: TRANSCRANEAL ANTERIOR FOSSA

1 STEP: ORBITAL ROOF

- Osteotomy upper orbita.
- Periorbital preservation.
- Incision of periorbital.
- Frontal nerve dissection and supratroclear nerve.
- Fat removal (partially).
- Levator and superior rectus muscles.
- Oblique muscle.

2 STEP: ORBITAL LATERAL WALL:

- Dissection of upper part of lacrimal gland and lacrimal nerve.
- Lateral rectus muscle.

3 STEP: ORBITAL MEDIAL WALL:

- Artery and vein ophthalmic and relationship with the optic nerve.
- Rectus medial muscle.

4 STEP: CAROTID ARTERY, OPTIC CANAL AND OPTIC NERVE.



Second approach: EXTERNAL OR LATERAL

1 STEP

- Dissection of the soft tissues, skin and subcutaneous.
- Orbital lateral rim exposition.
- Section with a circular saw of the lateral rim.
- Major sphenoid wing.
- Exposition of the lateral periorbit.

2 STEP

- Dissection of periorbit and suture of both flaps.
- Lateral rectus muscle.
- Lacrimal gland and lacrimal nerve.
- Inferior rectus muscle.
- Trigeminal inferior nerve.

3 STEP

- Optic nerve and Zinn ring.
- Reconstruction of bone rim. (Osteosynthesis).



SCIENTIFIC PROGRAMME

Third approach: TRANSETHMOIDAL WALL

1 STEP

- Relationship with frontal , sphenoid, ethmoidal and maxilar sinus.
- Anterior and posterior ethmoidectomy
- Lamina papiracea dissection



2 STEP

- Total exposition of the medial periorbita
- Incision of periorbita
- Fat herniation for exposition medial rectus muscle



3 STEP

- Dissection of inferior rectus and oblique muscle
- Visualization of the oculomotor nerve, optic nerve and ophthalmic artery.

Fourth approach: EXTERNAL DACRYOCYSTORHINOSTOMY

1 STEP

- Skin incision
- Canalicular probe
- Periosteal dissection

2 STEP

- Drilling on lacrimal bone
- Opening lacrimal sac

3 STEP

- Check on middle meatus
- Suture of skin



SCIENTIFIC PROGRAMME

Fifth approach:

PALPEBRAL, CANTHOLYSIS AND CANTHOTOMY TECHNIQUE

1 STEP: UPPER EYELID DISSECTION

- Orbicularis oculi muscle and its three portions
- Levator aponeurosis dissection of the upper eyelid
- Superior transverse ligament Whitnall
- Preseptal fat, ROOF and lacrimal gland



2 STEP: DISSECTION OF THE EXTERNAL CANTHUS

- Muscular insertion in the orbital rim
- Lateral Canthotomy and Cantholysis

3 STEP: LOWER EYELID DISSECTION

- Orbicularis oculi muscle
- Retractor muscle
- Orbital fat and SOOF



Sixth approach:

MAXILLAR & FRONTAL SINUS DISSECTION

1 STEP

- Skin flap dissection.
- Infraorbital nerve and foramen.

2 STEP

- Caldwell-Luc technique.
- Familiarization of maxillary sinus, ductus and medial wall.

3 STEP

- Opening of the orbital floor (microscope).
- Lower periorbital resection of the orbital septum and orbital rim.
- Inferior rectus muscle and inferior oblique muscle.
- Combined reconstruction of the floor with metal plates.

4 STEP

- Osteosynthesis.

5 STEP

- Frontal sinus.



REGISTRATION PROCEDURE

By email: clinica@clinicaclaros.com

Please complete the Registration Form or send us an email with your complete details, and return it with appropriate fee to the Course Department.

Space in the course is limited and will be allocated strictly in the order of receipt of registration form with payment.

REGISTRATION FORM

Surname _____

Name _____

Institution _____

MailingAddress _____

Email: _____

Resident:

Specialist:

PAYMENT METHOD: Only Bank Transfer Payment

Holder: **CLINICA DOCTORES CLAROS S.C.P. -
DEPARTAMENTOS CURSOS**

Bank: **SABADELL ATLANTICO**

Account: **ES78 0081 1686 4100 0118 3321**

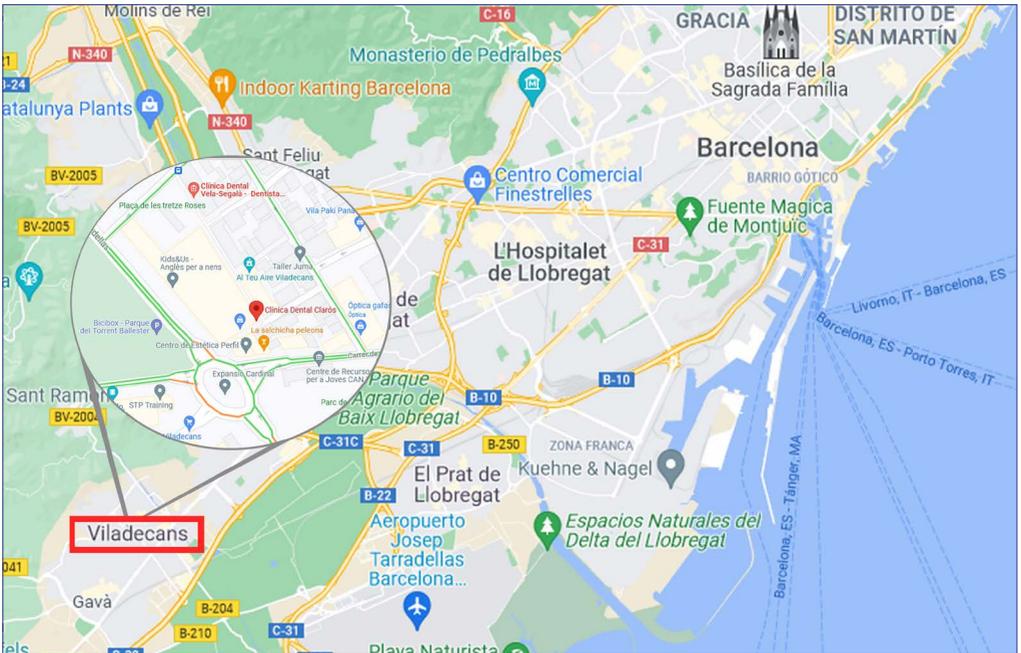
Swift Code: **BSABESBB**

Please pay your registration fee in Euro “in full” to ensure no commission fees or bank charges are deducted.

Cancellation Policy: The money can not be refunded, but you can be relocated in the next courses if you contact us with enough time.

COURSE VENUE:

Permanent Instructional Temporal Bone Laboratory
Centro Médico-Dental Clarós. (Grupo Clarós)
Calle Rajoleria, 12
08840 VILADECANS- Barcelona (Spain)



RECOMMENDED ACCOMODATION:

In order to avoid transport complications
we advice you to book a room near the course venue

Hotel Ibis

Ctra. de Barcelona, 82-84
08840 VILADECANS

Tel. [+34 93 6473494](tel:+34936473494)

Email: H5006@accor.com

Hotel B&B Viladecans

Avinguda Olof Palme, 24
08840 VILADECANS

Tel. [+34 93 2993658](tel:+34932993658)

Email: hotel.viladecans@hotelbb.com

(4 km distance from the Aeropuerto del Prat and 15 min walk distance to venue)



NEXT COURSES:

Dates will be scheduled in near future.

- [108th TEMPORAL BONE DISSECTION COURSE](#)
March 4-5, 2024
- [109th TEMPORAL BONE DISSECTION COURSE](#)
April 15-16, 2024.
- [110th TEMPORAL BONE DISSECTION COURSE](#)
October 14-15, 2024.
- [111th TEMPORAL BONE DISSECTION COURSE](#)
November 18-19, 2024.
- [112th TEMPORAL BONE DISSECTION COURSE](#)
March 3-4, 2025
- [113th TEMPORAL BONE DISSECTION COURSE](#)
April 7-8, 2025.
- [114th TEMPORAL BONE DISSECTION COURSE](#)
October 6-7, 2025.
- [115th TEMPORAL BONE DISSECTION COURSE](#)
November 10-11, 2025.
- Multidisciplinary Anatomical Orbital & External
Paranasal Sinus Dissection Course

Other Temporal Bone Workshops will be organized during the year depending on needs of attendees.

SECRETARIAT

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