

# Transnasal Corridors to Skull Base and Orbit

*3<sup>rd</sup> International Hands-on Course*

Wien 11-13 April 2012

*Anatomy Training Center  
Department of Systematic Anatomy  
University of Wien*



*Course directors:*  
**P. Castelnovo**  
**P. Nicolai**  
**M. Tschabitscher**

## INTRODUCTION

In the past years endoscopic endonasal techniques have undergone significant advances. Indeed, it is now possible to say that the nose and paranasal sinuses have changed from just a potential site of various diseases to a natural surgical corridor toward hidden and deeper anatomical structures. Furthermore, the ability to resect and reconstruct skull base defects has dramatically improved, thus making endoscopic techniques a valuable tool for skull base surgeons. Given the ever expanding surgical possibilities, a continuous improvement of anatomical knowledge is mandatory. However, to think that the apex has already been reached would be erroneous. For this reason, we have designed a course specifically dedicated to advanced anatomy around the nose, including intraorbital and infratemporal endoscopic anatomy. The “traditional” endoscopic approach to the ventral skull base (transcribriform, transsphenoidal and transclival windows) will be integrated with recent advancements in intraorbital and infratemporal fossa anatomy. Our goal is to produce a holistic vision of the different surgical windows made possible using the nasal corridor. Anatomical and radiological lectures, intensive anatomical dissection under strict supervision, and clinical cases discussion represent the key points of this advanced yet practical course. A movie-guided dissection perfectly represents our didactic philosophy based on a “step-by-step” approach. The face-to-face relationship between the faculty and participants makes this course an important starting point for all specialists who want to explore the fascinating field of endoscopic skull base surgery. The new anatomic training centre offers an ideal site for this experience. While the task may be challenging, it is extremely exciting. We hope that participants will help us to reach our goal.

*P. Castelnuevo , P. Nicolai, M. Tschabitscher*

11 April 2012

09:00-09:15 Target philosophy

**09:15-10:30 Nasal fossae and paranasal sinuses**

(20')-Systematic anatomy and endoscopic perspectives

(20')-Radiological considerations

(20')-How to get oriented?

(15')-Clinical cases and surgical considerations (video presentation)

10:30-11:00 Coffee Break

**11:00-13:00 DISSECTION**

Identification of SPA; Hadad flap and variants; complete sphenoidectomy plus Draf 1; identification of AEA and PEA; medial maxillectomy type 3

13:00-14:00 Lunch

**14:00-15:15 Transcribriform window**

(20')-Systematic anatomy and endoscopic perspectives

(20')-Radiological considerations

(20')-How to get oriented?

(15')-Clinical cases and surgical considerations (video presentation)

**15:15-18:15 DISSECTION**

Draf 3, subperiosteal dissection of the ethmoid, removal of ACF floor with special consideration to crista galli management, dissection of epidural space; resection of olfactory bulb, identification of basal arteries

12 April 2012

**08:00-09:15 Transsphenoidal window**

(20')-Systematic anatomy and endoscopic perspectives

(20')-Radiological consideration

(20')-How to get oriented?

(15')-Clinical cases and surgical considerations (video presentation)

**09:15-13:00 DISSECTION**

Complete anterior sphenoidotomy with identification of landmarks, identification of the vidian nerve in the lateral basisphenoid, planum sphenoidale removal, infrachiasmatic exposure to posterior cranial fossa, identification of superior hypophyseal artery and chiasmal branches, suprachiasmatic exposure, vascular orientation and management, pituitary transposition, posterior clinoidectomy and visualization of posterior cranial fossa

**13:00-14:00 Lunch**

**14:00-15:15 Transmaxillary window**

(20')-Systematic anatomy and endoscopic perspectives

(20')-Radiological consideration

(20')-How to get oriented?

(15')-Clinical cases and surgical considerations (video presentation)

**15:15-18:15 DISSECTION**

Exposure of anterior maxillary wall-extended denker-posterior maxillary window, identification of infraorbital nerve and V2, identification of muscular plane-lateral and medial pterygoid muscles, identification of lingual and inferior alveolar nerve on medial pterygoid muscle, resection of lateral pterygoid muscle and identification of V3 and Eustachian tube, identification of medial corridor to ICA and of the "palatini" muscles, identification of internal jugular vein and styloid process, identification of hypoglossal nerve, complete tubal resection and exposure of petrous and cervical ICA, front door to Meckel's Cave

**20:00 Gala Dinner**

13 April 2012

**8:00-9:15 Transclival window**

(20')-Systematic anatomy and endoscopic perspectives

(20')-Radiological consideration

(20')-How to get oriented?

(15')-Clinical cases and surgical considerations (video presentation)

**9:15-12:30 DISSECTION**

Rhinopharyngeal flap, complete basisphenoid resection, identification of prevertebral muscles, complete clivectomy, exposure of C1 and C2, odontoid resection, intracranial posterior cranial fossa orientation, identification of cranial nerves (V to XII) and arterial vessels

*12:30-13:30 Lunch*

**13:30-14:30 Transorbital window**

(20')-Systematic anatomy and endoscopic perspectives

(20')-Radiological consideration

(20')-Clinical cases and surgical considerations (video presentation)

**14:30-16:00 DISSECTION**

Removal of l. papiracea and periorbit, identification of medial muscular wall-medial and inferior rectus muscle & superior oblique muscle- and the ethmoidal arteries, medial intraconal dissection to the optic nerve, identification of ciliary arteries and nerves, identification of nasociliary nerve and ophthalmic artery, exposure of Zinn's anulus

**16:00-16:15 Final Remarks**

## Course Venue

ANATOMY TRAINING CENTER  
Department of Systematic Anatomy  
Währinger strasse, 1070 Wien  
*Head: Manfred Tschabitscher*

## Official Language

English

## Didactic materials

Didactic materials will be given at registration

## Organizing Secretariat

ATTINGO  
Varese - Italy  
[www.atingo-edu.it](http://www.atingo-edu.it)  
[informazioni@atingo-edu.it](mailto:informazioni@atingo-edu.it)

## Registration

The course is limited to 20 participants. Registrations must be sent to Organizing Secretariat, via e-mail or fax, accompanied by the payment of the fee.

Registration fee includes: •tuition •gala dinner •certificate of attendance •coffee-breaks •lunches

Course Fee: € 2.000

## Payment modalities

### Bank transfer

To:	Attingo
Filial:	Milano – 05000
Bank Code:	100000012357
IBAN:	IT60Y0335901600100000012357
BIC:	BCITITMX
Reference:	Family name & first name of the participant - Wien Transnasal corridors 2012

## Refund Policy

If a written request is received before 15.02.2012 a 75% refund will be allowed. After this date no refund is due. All refunds will be handled after the Course.

## Cancellation policy

In the unusual circumstance that the meeting is cancelled, two weeks notice will be given and tuition will be refunded in full. The Organizers are not responsible for any airfare, hotel or other costs incurred.

## Hotel Accommodation

A short list of hotel close to the University is given below

Hotel Regina –

[www.regina-hotel-vienna.h-rez.com](http://www.regina-hotel-vienna.h-rez.com)

Hotel Harmonie –

[www.bestwestern.at/hotels/index\\_hotel.php?id=53&lang=en](http://www.bestwestern.at/hotels/index_hotel.php?id=53&lang=en)

Hotel Atlanta –

[www.hotelatlanta.at](http://www.hotelatlanta.at)

A more complete list of hotels placed near the course venue can be easily found on Internet.

## Gala Dinner

The Gala dinner for attendees and guests (tickets for guests can be purchased in advance or on site) will be held on Tuesday

## Insurance

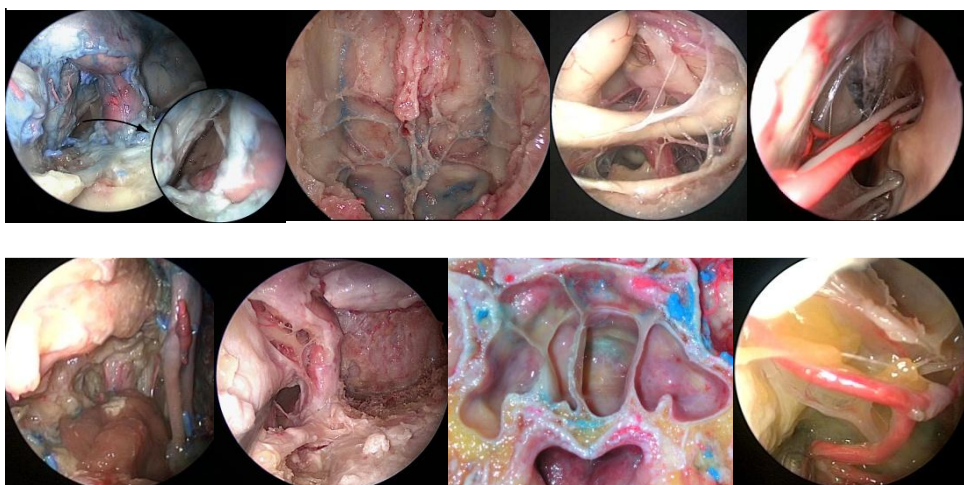
Organizers do not accept responsibility for individual medical, travel or personal expenses. Registrants are strongly advised to take out their own personal insurance policies.

*Change in the Program may take place*

## Faculty

**Paolo Battaglia** - Varese  
**Maurizio Bignami** - Varese  
**Andrea Bolzoni Villaret** - Brescia  
**Paolo Castelnuovo** - Varese  
**Luigi Maria Cavallo** - Napoli  
**Iacopo Dallan** - Varese  
**Giorgio Frank** - Bologna  
**Philippe Herman** - Paris  
**Davide Locatelli** - Pavia  
**Davide Lombardi** - Brescia

**Roberto Maroldi** - Brescia  
**Anna Mercuri** - Varese  
**Michael Mokry** - Graz  
**Piero Nicolai** - Brescia  
**Ernesto Pasquini** - Bologna  
**Andrea Pistochini** - Varese  
**Heinz Stammberger** - Graz  
**Giustino Tomei** - Varese  
**Davide Tomenzoli** - Brescia  
**Manfred Tschabitscher** - Wien



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