

# ENDONASAL MICROSURGERY OF THE PARANASAL SINUSES AND THE ANTERIOR SKULL BASE

## PRACTICAL ANATOMY DISSECTION COURSE

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### Sponsoring

### Main Sponsors

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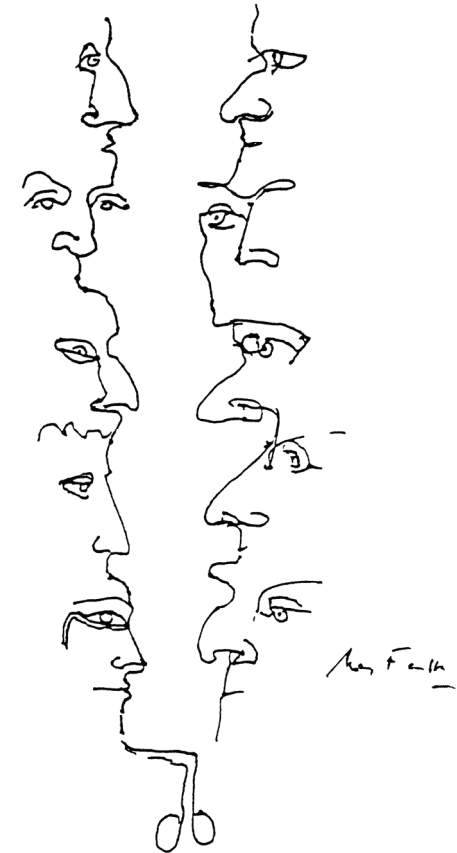
### Instruments and Equipment

J. ANKLIN AG, Binningen / Basel (CH)  
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**Course Program**  
**14<sup>th</sup> – 16<sup>th</sup> of June, 2010**  
**Zurich – Switzerland**

## Course Organization

- Center for Rhinology, Skull Base Surgery and Facial Plastic Surgery  
ORL-Zentrum, Klinik Hirslanden, Zurich  
Zentrum für Hals-, Nasen-, Ohren- und plastische Gesichtschirurgie

in collaboration with the University of Zurich

- Institute of Anatomy (Prof. O. Ullrich)
- ORL-Klinik Universitätsspital Zürich (Prof. R. Probst)

## Course Objectives

Intensive instruction and practical hands on training in endoscopic sinus and skull base surgery. Advanced concepts and step by step introduction to the various surgical techniques. Structured live cadaver operations. Questions, answers and discussion with the faculty.

## Course Faculty

- *Otorhinolaryngology*  
Hans Rudolf Briner (ORL-Zentrum, Klinik Hirslanden, Zurich)  
David Holzmann (ORL-Universitätsspital, Zurich)  
Robert Reisch (Klinik Hirslanden, Zurich)  
Christoph Schlegel (ORL, Kantonsspital, Luzern)  
Bernhard Schuknecht (Neuroradiologie, Zurich)  
Daniel Simmen (ORL-Zentrum, Klinik Hirslanden, Zurich)
- *Invited International Faculty*  
Scott Graham (Iowa, USA)  
Nick Jones (Nottingham, UK)  
Kris Moe (Seattle, USA)  
Jin Keat Siow (Singapore, Singapore)
- *Institute of Anatomy*  
O. Ullrich, M. Manestar, M. Vich

## Course Directors

Prof. Dr. Daniel Simmen  
Dr. Hans Rudolf Briner, Klinischer Dozent  
ORL-Zentrum, Klinik Hirslanden  
Center for Rhinology, Skull Base Surgery  
and Facial Plastic Surgery  
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## Faculty

Prof. Scott Graham  
University of Iowa City – USA

PD Dr. med. David Holzmann  
University Hospital, Zürich – Switzerland

Prof. Nick S. Jones MD FRCS  
University Hospital, Nottingham – United Kingdom

Kris S. Moe, M. D., F.A.C.S  
University of Washington, Seattle – USA

Prof. Dr. Robert Reisch  
Neurochirurgisches Zentrum, Klinik Hirslanden  
Zurich – Switzerland

Dr. med. Christoph Schlegel  
Kantonsspital Luzern – Switzerland

Prof. Dr. B. Schuknecht  
Medizinisch Radiologisches Institut, Klinik Bethanien  
Zurich – Switzerland

Prof. Jin Keat SIOW  
University of Singapore – Singapore

**Layout: Hans Falk**

**Wednesday June 16<sup>th</sup>, 2010**

- 08.30 Extended frontal sinus surgery  
Fronto-ethmoidectomy with frontal sinus drainage procedure (FSDP)  
Introduction and surgical technique
- 09.00 Navigation in Sinus and Skull Base Surgery
- 09.30 Cadaver dissection  
*Fronto-ethmoidectomy with frontal sinus drainage procedures (right side of the cadaver specimen!)*
- 10.30 **Coffee Break**
- 11.00 Facial pain, indication for surgery
- 11.45 Cadaver dissection  
*Infundibulotomy – , partial anterior ethmoidectomy – , fronto-ethmoidectomy – dacryocystorhinostomy continued (left side of the cadaver specimen!)*
- 12.30 **Lunch**
- 13.30 “Hints” in endoscopic sinus surgery
- 13.50 Complications of endoscopic sinus surgery
- 14.10 Transorbital approaches to the skull base
- 14.30 Cadaver dissection  
*Endonasal management of the sphenopalatine artery, ligation of the ethmoidal arteries, lateral canthotomy and cantholysis for severe orbital hemathoma  
Endonasal medial maxillectomy, Anterior skull base surgery*
- 15.10 *Anatomy and surgery of the skull base – Part 2*
- 15.40 Transnasal endoscopic skull base surgery
- 16.00 **Coffee Break**
- 16.30 Imaging of the paranasal sinuses –  
Value of CT and MRI in selected sinus diseases
- 17.00 Open discussion with the faculty, **Adjourn**

**Course Secretary**

**Daniela Weide, Marianne Bihrer**

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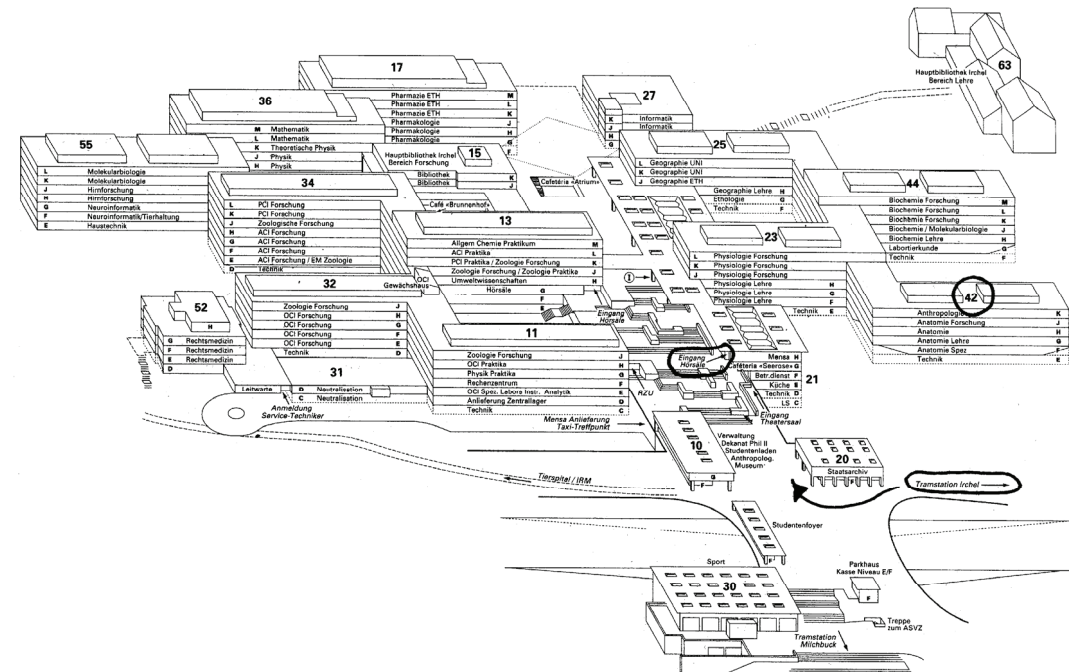
**Course Location**

**Institute of Anatomy**, University of Zurich-Irchel  
Winterthurerstrasse 190, CH-8057 Zurich  
Building 42 (through Building 23), **Room 42-G-53**  
Tel. +41 44 635 42 00

**How to get to the course**

Railway # 9 / 10 to Railway station "Uni-Irchel"  
Railway # 7 / 14 to Railway station "Milchbuck"  
Parking: Uni-Irchel

**Map of University Zurich-Irchel / Campus**



## Endonasal Microsurgery of the Paranasal Sinuses and the Anterior Skull Base

### Course Program June 14<sup>th</sup> – 16<sup>th</sup>, 2010

#### Monday June 14<sup>th</sup>, 2010

08.30	Registration
09.00	Introduction and course objectives
09.15	Endoscopic Sinus and Skull Base Surgery – Introduction <ul style="list-style-type: none"><li>• A step by step practical guide: Who? When? Why? How?</li><li>• Terminology and classification of surgical procedures</li></ul>
10.15	Immune dysfunction in refractory rhinosinusitis
10.45	<b>Coffee Break</b>
11.15	<u>Cadaver dissection</u> <i>Introduction of Endoscopes and Instrumentation, Nasal endoscopy</i>
11.45	Infundibulotomy, partial anterior ethmoidectomy – Introduction and surgical technique
12.30	<b>Lunch</b>
13.30	<u>Cadaver dissection</u> <i>Infundibulotomy, partial anterior ethmoidectomy (right side of the cadaver specimen!)</i>
14.30	Selected specimens demonstrated by the Institute of Anatomy
15.00	<b>Coffee Break</b>
15.30	Surgical anatomy of the frontal recess and frontal sinus Fronto-ethmoidectomy – Introduction and surgical technique
16.30	<u>Cadaver dissection</u> <i>Fronto-ethmoidectomy (right side of the cadaver specimen!)</i>
17.30	The assisted, bimanual endoscopic technique
18.00	“5-key-points, personal insight”
19.00	<b>Course Dinner</b> (Transportation is provided – we will depart directly after the course) Restaurant zur Höhe Höhestr. 73, 8702 Zollikon ZH            044 391 59 59

#### Tuesday June 15<sup>th</sup>, 2010

08.30	Dacryocystorhinostomy – Introduction and surgical technique
09.15	<u>Cadaver dissection</u> <i>Dacryocystorhinostomy (right side of the cadaver specimen!)</i>
10.15	<b>Coffee Break</b>
10.45	Pre- and postoperative management of chronic rhino-sinusitis
11.15	Spheno-ethmoidectomy – Introduction and surgical technique
11.45	<u>Cadaver dissection</u> <ul style="list-style-type: none"><li>• <i>Spheno-ethmoidectomy (right side of the cadaver specimen!)</i></li><li>• <i>Anatomy and surgery of the skull base – Part 1</i></li></ul>
12.30	<b>Lunch</b>
13.30	Imaging of the paranasal sinuses Preoperative "Check-List"
14.00	What is maximal medical management – what to do when it fails
14.30	<u>Cadaver dissection</u> <i>Infundibulotomy, partial anterior ethmoidectomy, fronto-ethmoidectomy, spheno-ethmoidectomy (left side of the cadaver specimen!)</i>
16.00	Selected specimens demonstrated by the Institute of Anatomy
16.30	<b>Coffee Break</b>
16.45	Olfaction in endonasal sinus surgery
17.15	Endonasal tumour surgery – achievements and perspectives
17.45	“5-key-points, personal insight”