

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

PRACTICAL ANATOMY DISSECTION COURSE



**Course Program**  
**21<sup>st</sup> – 23<sup>rd</sup> of August, 2002**  
**Zurich – Switzerland**

## **Course Organization**

- Center for Rhinology and Facial Plastic Surgery  
Swiss Rhinology Teaching Center GmbH  
c/o ORL-Zentrum, Klinik Hirslanden, Zurich  
Zentrum für Hals-, Nasen-, Ohren- und plastische Gesichtschirurgie

in collaboration with the University of Zurich

- Institute of Anatomy (Prof. P. Groscurth) and the
- Department of Otorhinolaryngology, Head- and Neck Surgery (Prof. St. Schmid)

## **Course Objectives**

Intensive instruction and practical hands on training in endoscopic and microscopic surgical techniques for the management of paranasal sinus disease. Slide and Video presentation of each surgical step. Questions – answers and discussion with the faculty.

## **Course Faculty**

- *Otorhinolaryngology*  
D. Simmen                      N. Jones  
HR. Briner                      D. Holzmann
- *Neuroradiology*  
B. Schuknecht
- *Institute of Anatomy*  
P. Groscurth                      M. Manestar                      W. Szarvas

**Course Secretary**

**Fr. L. Travnicek**

ORL-Zentrum, Klinik Hirslanden  
Witellikerstrasse 40, CH-8029 Zurich – Switzerland  
Tel. +41 1 387 28 00  
Fax +41 1 387 28 02  
e-mail: info@orl-zentrum.com  
www.orl-zentrum.com

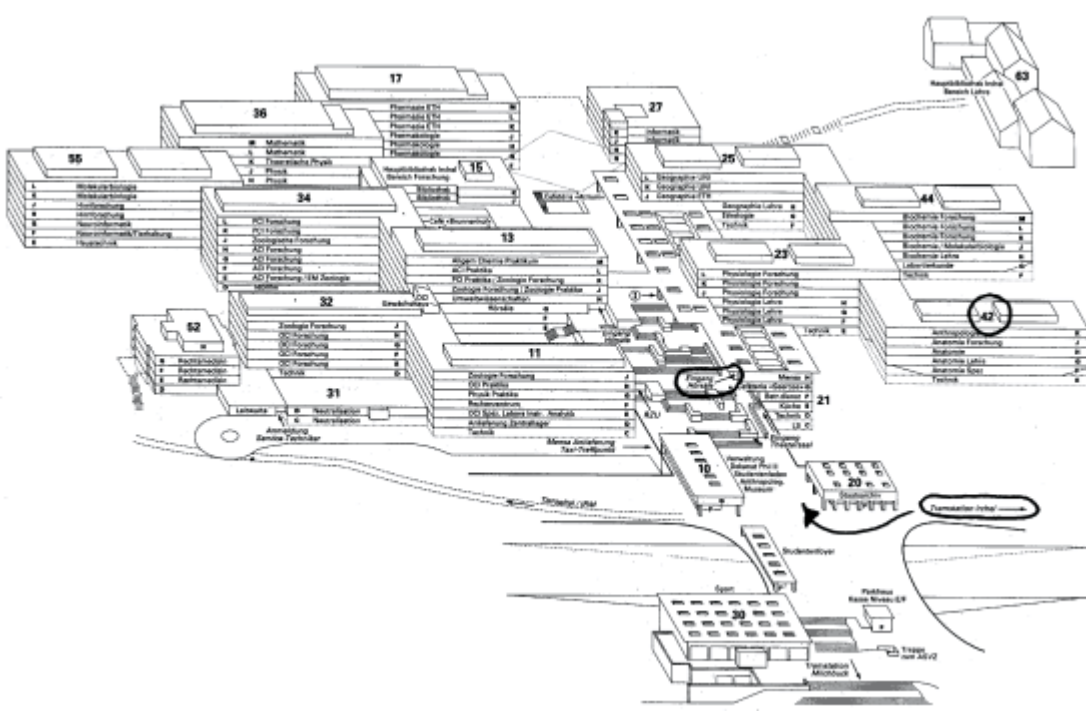
**Course Location**

**Institute of Anatomy**, University of Zurich-Irchel  
Winterthurerstrasse 190, CH-8057 Zurich  
Building 42 (through Building 23), **Room 42-G-53**  
Tel. 01 635 45 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 Universtity Zurich-Irchel / Campus**



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

## **Course Program August 21<sup>st</sup> – 23<sup>rd</sup>, 2002**

### **Wednesday August 21<sup>st</sup>, 2002**

- 08.30 Registration
- 09.00 Introduction and course objectives
- 09.15 Endoscopic Sinus and Skull Base Surgery - Introduction
- A step by step practical guide: Who? When? Why? How?
  - Terminology and classification of surgical procedures
- 10.15 Nasal endoscopy and important anatomic variations of the lateral nasal wall
- 10.45 **Coffee Break**
- 11.15 Cadaver dissection  
*Introduction of Endoscopes and Instrumentation, Nasal endoscopy*
- 11.45 Infundibulotomy, partial anterior ethmoidectomy – Introduction and surgical technique
- 12.30 **Lunch**
- 13.30 Cadaver dissection  
*Infundibulotomy, partial anterior ethmoidectomy (right side of the cadaver specimen!)*
- 14.30 Selected specimens demonstrated by the Institute of Anatomy
- 15.00 **Coffee Break**
- 15.30 Surgical anatomy of the frontal recess  
Fronto-ethmoidectomy – Introduction and surgical technique
- 16.30 Cadaver dissection  
*Fronto-ethmoidectomy (right side of the cadaver specimen!)*
- 17.30 "Hints" in endoscopic sinus surgery technique
- 18.00 Olfaction in endonasal sinus surgery
- 18.30 Value of nasal cytology and ciliary function test – an update

## **Thursday August 22<sup>nd</sup>, 2002**

- 08.30 Dacryocystorhinostomy –  
Introduction and surgical technique
- 09.15 Cadaver dissection  
*Dacryocystorhinostomy*  
*(right side of the cadaver specimen!)*
- 10.15 **Coffee Break**
- 10.45 Surgical anatomy of the sphenoid sinus
- 11.15 Spheno-ethmoidectomy –  
Introduction and surgical technique
- 11.45 Cadaver dissection  
*Spheno-ethmoidectomy*  
*(right side of the cadaver specimen!)*
- 12.30 **Lunch – Discussion and Video Demonstration**
- 13.30 Imaging of the paranasal sinuses  
• Preoperative "Check-List"
- 14.15 Indications for surgery of the sphenoid sinus
- 14.45 Cadaver dissection  
*Infundibulotomy, partial anterior ethmoidectomy,*  
*fronto-ethmoidectomy, spheno-ethmoidectomy*  
*(left side of the cadaver specimen!)*
- 16.00 Selected specimens demonstrated by the Institute of Anatomy
- 16.30 **Coffee Break**
- 17.00 "Highlights" in endoscopic sinus and skull base surgery
- 17.45 Pre- and postoperative management of chronic rhino-sinusitis
- 19.00 **Course Dinner**

## Friday August 23<sup>rd</sup>, 2002

- 08.30 Surgical anatomy of the frontal sinus  
Fronto-ethmoidectomy with frontal sinus drainage procedure (FSDP)  
Introduction and surgical technique
- 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 – Discussion and Video Demonstration**
- 13.30 Surgical management of severe epistaxis  
Introduction and surgical technique
- 14.00 Endonasal tumour surgery – Endonasal medial maxillectomy  
Introduction and surgical technique
- 14.45 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*
- 16.00 **Coffee Break**
- 16.30 Imaging of the paranasal sinuses –  
• Value of CT and MRI in selected sinus diseases –  
• questions and answers: "Meet the Neuroradiologist"
- 17.30 Anterior skull base surgery –  
Diagnostic and therapeutic concept for cerebrospinal fluid leaks
- 18.00 Open Discussion with the faculty, **Adjourn**

## **Course Directors**

PD Dr. Daniel Simmen  
ORL-Zentrum, Klinik Hirslanden  
Center for Rhinology and Facial Plastic Surgery  
Witellikerstrasse 40  
CH-8029 Zurich – Switzerland  
+41 1 387 28 00 Phone  
+41 1 387 28 02 Fax  
simmen@orl-zentrum.com  
www.orl-zentrum.com

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

## **Course Co-Directors**

Dr. HR. Briner  
ORL-Zentrum, Klinik Hirslanden,  
Zurich – Switzerland

Dr. D. Holzmann  
University Hospital, Zurich – Switzerland

## **Invited Faculty**

PD Dr. B. Schuknecht  
Institute for Neuroradiologie  
University Hospital, Zurich – Switzerland

## List of participants

Chiodo Alan	Canada
Heer Kate	New Zealand
Raimondi Guiseppe	Italy
Robinson Simon	New Zealand
Salas Galicia Juan Eugenio	Mexico
Stigare Jerker	Great Britain
Böni Martin	Schweiz
Glarner Hermann	Schweiz
Herrmann Peter	Schweiz
Jehle Brühlmann Ursula	Schweiz
Oddera Illeana	Schweiz
Radivojevic Vladeta	Schweiz

***Layout: Hans Falk, Urdorf – Stromboli – New York***

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