ENDOSCOPIC SINUS AND SKULL BASE SURGERY
Hands on Course with Anatomical Dissection

Course Program
3rd – 5th of June, 2019
Zurich – Switzerland

Course Location
Institute of Anatomy, University of Zurich-Irchel
**Organisation**

Center for Rhinology, Skull Base Surgery and Facial Plastic Surgery
ORL-Zentrum, Klinik Hirslanden, Zurich
in collaboration with the University of Zurich
- Institute of Anatomy (Prof. O. Ullrich)
- ORL-Klinik Universitätsspital Zürich (Prof. A. Huber)

**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 Secretary**

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**Course Directors**

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**Course Faculty**

Hans Rudolf Briner (ORL-Zentrum, Klinik Hirslanden, Zurich)
Dominik Hinder (ORL, Kantonsspital, Liestal)
Robert Reisch (Neurochirurgie, Klinik Hirslanden, Zurich)
Christoph Schlegel (ORL, Kantonsspital, Luzern)
Bernhard Schuknecht (Medizinisch Radiologisches Institut (MRI), Zurich)
Daniel Simmen (ORL-Zentrum, Klinik Hirslanden, Zurich)
Michael Soyka (ORL-Klinik, Universitätsspital Zurich)

**Invited International Faculty**

Scott Graham (University of Iowa, USA)

**Institute of Anatomy**

O. Ullrich, M. Manestar, G. Colacicco

**CME-CREDITS SGORL:** 24 CREDITS
Course Program

Monday June 3rd 2019

08.30  Registration
09.00  Introduction and course objectives
09.15  Endoscopic sinus and skull base surgery – Introduction
10.00  Immune dysfunction in refractory rhinosinusitis
10.30  Coffee Break
11.00  Cadaver dissection
  ▶ Introduction of endoscopes and instrumentation, nasal endoscopy
11.30  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  Coffee Break
15.00  Surgical anatomy of the frontal recess and frontal sinus
  ▶ Fronto-ethmoidectomy – Introduction and surgical technique
15.30  Cadaver dissection
  ▶ Fronto-ethmoidectomy (right side of the cadaver specimen!)
17.30  Medical treatment of chronic rhinosinusitis
18.00  The past and future of endoscopic sinus surgery
19.00  Course Dinner
  (Transportation is provided – we will depart directly after the course)

Course Program

Tuesday June 4th 2019

08.30  Dacryocystorhinostomy
  ▶ Introduction and surgical technique
09.00  Cadaver dissection
  ▶ Dacryocystorhinostomy (right side of the cadaver specimen!)
10.15  Coffee Break
10.45  Pre- and postoperative management of chronic rhinosinusitis
11.15  Spheno-ethmoidectomy
  ▶ Introduction and surgical technique
11.45  Cadaver dissection
  ▶ Spheno-ethmoidectomy (right side of the cadaver specimen!)
  ▶ Anatomy and surgery of the skull base – Part 1
12.30  Lunch
13.30  Imaging of the paranasal sinuses
  ▶ Preoperative «Check-List»
14.00  The assisted bimanual endoscopic technique
14.30  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
16.45  «5 Key points-personal insight»
17.15  Olfaction in endoscopic sinus surgery
18.00  Adjourn
Course Program

**Wednesday June 5th 2019**

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<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tr>
<td>08.30</td>
<td>Navigation in sinus and skull base surgery</td>
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<tr>
<td>09.00</td>
<td>Extended frontal sinus surgery&lt;br&gt;Fronto-ethmoidectomy with frontal sinus drainage procedure (FSDP)&lt;br&gt;Introduction and surgical technique</td>
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<tr>
<td>09.30</td>
<td><strong>Coffee Break</strong></td>
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| 09.45 | **Cadaver dissection**<br>- Fronto-ethmoidectomy with frontal sinus drainage procedure (right side of the cadaver specimen!)
- Infundibulotomy – , partial anterior ethmoidectomy – ,
  fronto-ethmoidectomy – , dacryocystorhinostomy continued (left side of the cadaver specimen!)
| 11.30 | Complications of endoscopic sinus and skull base surgery                 |
| 12.00 | Management of CSF Leaks                                                  |
| 12.30 | **Lunch**                                                               |
| 13.30 | Control of bleeding in endonasal sinus surgery                           |
| 14.00 | **Cadaver dissection**<br>- Endonasal management of the sphenopalatine artery,
  Ligation of the ethmoidal arteries, Lateral canthotomy and cantholysis for severe orbital hematoma
  Endonasal medial maxillectomy, Anterior skull base surgery |
| 15.10 | Anatomy and surgery of the skull base – Part 2                           |
| 15.40 | **Coffee Break**                                                        |
| 16.00 | Rhinoneurosurgical approaches to the skull base                          |
| 16.30 | Imaging of the paranasal sinuses<br>- Value of CT and MRI in selected sinus diseases |
| 17.00 | Open discussion with the faculty, **Adjourn**                             |
COURSE LOCATION

UNIVERSITY ZURICH-IRCHEL | CAMPUS

Institute of Anatomy, University of Zurich-Irchel
Winterthurerstrasse 190, CH-8057 Zurich
Building 42 (through Building 23)
Room 42-G-53
Phone +41 44 635 53 59

HOW TO GET TO THE COURSE

Tram 9 or 10 to Railway station Uni-Irchel
Parking Uni-Irchel
Tram 9 or 10 to Railway station Milchbuck
Buses 69 and 72