31st International Course on

ENDOSCOPIC SURGERY OF THE PARANASAL SINUSES & SKULL BASE

Ghent (Belgium)
28 - 31 August 2019

INTERNATIONAL FACULTY

Claus Bachert (Ghent, Belgium)
Manuel Bernal-Sprekelsen (Barcelona, Spain)
Paolo Castelnuovo (Varese, Italy)
Philippe Gevaert (Ghent, Belgium)
Werner Hosemann (Greifswald, Germany)
Masaru Ishii (Baltimore, USA)
Bradley Marple (Dallas, USA)
Par Stjärne (Stockholm, Sweden)
Thibaut Van Zele (Ghent, Belgium)
Luo Zhang (Beijing, PRC)
James Zinreich (Baltimore, USA)
GENERAL INFORMATION

Addresses

- Lectures: Ghent University Hospital Campus - Auditorium C
  De Pintelaan 185, 9000 Ghent
- Hands-on Cadaver: Wet Laboratory (PAD) – Ghent University Hospital Campus – Department Anatomy
  De Pintelaan 185, 9000 Ghent

Transportation: Shuttle Service

A shuttle service from the inner city of Ghent to and from the Ghent University Hospital Campus is foreseen.
The bus will be waiting in the street called “Poel” (located on walking distance from recommended hotels).
Departure times:
  - Wednesday, 28 August: 10h10 to Ghent University Hospital – 19h15 to “Poel”
  - Thursday, 29 August: 08h00 to Ghent University Hospital – 18h00 to “Poel”
  - Friday, 30 August: 07h45 to Wet Laboratory – 18h30 to “Poel”
  - Saturday, 31 August: 07h45 to Wet Laboratory – 13h30 to “Poel”

Transportation from and to the airport is not foreseen.

Lunches and Coffee Breaks

Lunches (no pork) and Coffee Breaks (in the morning and afternoon) will be served.

Social Program

Open for course delegates and registered accompanying persons.

- Wednesday 28 August: Reception (18h00-19h05)
  Ghent University Hospital Campus
- Friday 30 August: Banquet (20h00-22h30)
  Handelsbeurs (Kouter 29, 9000 Ghent)
State of the art in science, medical and surgical management of sinus diseases and adjacent fields

From City of Ghent to Ghent University Hospital - take tram 4

Theoretical Sessions
Auditorium C

Hands-on Cadaver Sessions
PAD
State of the art in science, medical and surgical management of sinus diseases and adjacent fields

PROGRAM IN DETAIL

Language of the course is English.
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>10.10</td>
<td>Bus departure from the “Poel”</td>
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<tr>
<td>10.30</td>
<td>Registration</td>
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<tr>
<td>11.00</td>
<td>Welcome address</td>
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<td></td>
<td><em>Bachert C.</em></td>
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<tr>
<td>11.10</td>
<td><strong>Anatomy and Imaging</strong></td>
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<td></td>
<td><strong>Changing paradigms in sinus disease: Endotypes of chronic rhinosinusitis (CRS) and the consequences</strong></td>
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<td><em>Bachert C.</em></td>
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<td>11.30</td>
<td><strong>Clinical and surgical anatomy of the sinuses</strong></td>
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<td><em>Hosemann W.</em></td>
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<td>12.20</td>
<td><strong>Standard imaging anatomy for FESS and 3D CT Stereo imaging of the sinuses</strong></td>
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<td><em>Zinreich J.</em></td>
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<td>13.00</td>
<td>Lunch</td>
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<tr>
<td>14.00</td>
<td><strong>Understanding pathology</strong></td>
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<td><strong>Understanding inflammation and biologics in CRSwNP</strong></td>
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<td><em>Bachert C.</em></td>
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<td>14.40</td>
<td><strong>Olfaction</strong></td>
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<td><em>Stjärne P.</em></td>
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<td>15.00</td>
<td><strong>3D CT Stereo imaging of the sinuses part 2; 3D CT Stereo and MPR imaging and of anatomic landmarks (Anterior Ethmoid Artery)</strong></td>
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<td><em>Zinreich J., Ishii M.</em></td>
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<td>15.40</td>
<td><strong>Acute rhinosinusitis and complications</strong></td>
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<td><em>Stjärne P.</em></td>
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<td>16.00</td>
<td><strong>Coffee break</strong></td>
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16.30  Approaches in FESS - Basic principles of functional sinus surgery  
    Marple B.
17.15  Evidence in regular FESS/ballooning, stenting, outpatient surgery  
    Hosemann W.

Social program

18.00 Reception

19.15 Bus departure from the “UZ Ghent”
08.00  Bus departure from the “Poel”

**Focus on frontal sinus and complications**

08.30  Imaging pathology of the nasal cavity and paranasal sinuses  
       Zinreich J.
09.00  Frontal sinus anatomy, approaches from DRAF I, II, to III  
       Marple B.
09.30  Supraorbital cells  
       Zhang L.
09.50  Extended frontal sinus surgery  
       Castelnuovo P.
10.10  Discussion on frontal sinus surgery

10.30  Coffee break

11.00  The sphenoid sinus  
       Van Zele T.
11.20  Fungal disease of the sinuses: from fungal ball to invasive fungal  
       disease  
       Marple B.
11.40  Management of epistaxis, Morbus Rendu-Osler  
       Van Zele T.
12.00  Complications: how to avoid them, how to react appropriately  
       Hosemann W.
12.30  Revision surgery: how to avoid it?  
       Bernal-Sprekelsen M.
13.00  Lunch
The sinuses and beyond

14.00 Endoscopic dacryocystorhinostomy (DCR)  
*Bernal-Sprekelsen M.*

14.30 Principles of orbital/optic nerve decompression  
*Marple B.*

14.50 Management of big bleedings: carotid artery, orbital bleedings  
*Bernal-Sprekelsen M.*

15.10 Management of CSF-leaks  
*Bernal-Sprekelsen M.*

The sinuses in children

15.30 Indications and techniques of sinus surgery in children  
*Hosemann W.*

16.00 *Coffee break*

The sinuses pre- and post-op

16.30 Wound healing and postoperative care  
*Hosemann W.*

16.50 Recent technical developments in surgical CRS treatment  
*Van Zele T.*

17.20 *Round table on pre-op diagnostics and post-operative treatment*  
*Gevaert P. (5 min “set the scene” presentation)*

17.40 *Round table on septum and turbinate surgery*  
*Hosemann W. (5 min “set the scene” presentation)*

18.00 Bus departure from the “UZ Ghent”

Social program

Free evening in Ghent
07.45  Bus departure from the “Poel”

**Hands-on Cadaver Head Workshop**

**08.00**  **Wet laboratory in the anatomy department**
Each participant has one side for surgery and is equipped with endoscope, monitor and instruments including microdebrider

- **Anterior approach- step by step**
  *Hosemann W.*
- **Frontal sinus surgery, Draf 2a**
  *Marple B.*
- **Reboot surgery**
  *Bachert C.*
- **DCR, Endoscopic Sphenopalatine ligation**
  *Bernal-Sprekelsen M.*

*Teachers: Hosemann W., Marple B., Bernal-Sprekelsen M., Castelnuovo P., van Zele T., Gevaert P., Bachert C.*

**13.30**  **Lunch Auditorium C**

**Extended surgery**

**14.30**  **Basic Principles of Endoscopic Sinus Tumour Surgery**
*Bernal-Sprekelsen M.*

**15.00**  **Principles of inverted papilloma surgery (including the prelacrimal access to the maxillary sinus)**
*Stjärne P.*

**15.30**  **Endoscopic pituitary surgery (indications and technique)**
*Castelnuovo P.*
16.30 Interventional radiology and endoscopic surgery of juvenile angiofibromas
   Marple B.

17.00 Coffee break

17.30 Anatomy of the skull base and its surgical applications (transcribiform, transplanum, transsellar approach)
   Castelnuovo M., Van Zele T.

18.30 Bus departure from the “UZ Ghent”

Social program

20.15 Banquet at the Handelsbeurs
22.30 Return to the hotels
07.45  Bus departure from the “Poel”

**Hands-on Cadaver Head Workshop**

08.00  **Wet laboratory in the anatomy department**
Each participant has one side for surgery and is equipped with endoscope, monitor and instruments including shaver

- **Orbital decompression, optic nerve decompression, lateral canthotomy and cantholysis**  
  *Hosemann W*
- **Medial maxillectomy and the prelacrimal access to the maxillary sinus**  
  *Castelnuovo P.*
- **Draf III**  
  *Marple B.*
- **The skull base including flaps for closure (nasoseptal flap, lateral nasal wall flap)**  
  *Castelnuovo P.*, *Van Zele T.*

*Teachers: Hosemann W.*, *Marple B.*, *Castelnuovo P.*, *Stjärne P.*, *Van Zele T.*, *Gevaert P.*, *Bachert C.*

*Break and Lunch in between*

13.30  **Handover of certificates**
Departure to the “Poel” - Hotels