The IRDC ACADEMY presents

IRDC Surgical Training School
FESS, Anterior Skull Base & Related Procedures
Standard Operating Procedures, Exceptional Handling, Type Rating, Simulator Training

19th - 21st January 2015

Approach to frontal sinus right following balloon sinuplasty with navigated instrument

- Optimum training simulator conditions
- Focus on integrated OR technology
- Training in Navigation and SMGS
OR Organisatio

Venue
International Reference and Development Centre for Surgical Technology (IRDC)
Käthe-Kollwitz-Straße 64, 04109 Leipzig, Germany

Invited Guests and Trainer
Martin Bettag, MD
(Professor for Neurosurgery, Hospital of Barmherzige Brüder, Trier)

Marco Caversaccio, MD
(Professor for ENT, Inselspital, Bern/Switzerland)

Ahmed Elguindy, MD
(Professor for ENT, University Faculty of Medicine, Tanta/Egypt)

T.N. Janakiram, MD
(ENT, Royal Pearl Hospital, Trichy/India)

Reda Kamel, MD
(Professor for ENT, University, Cairo/Egypt)

Susanne Modemann, MD
(ENT, ACQUA Clinic, Leipzig)

Henry W.S. Schroeder, MD
(Professor for Neurosurgery, University Hospital, Greifswald)

Gero Strauss, MD
(Professor for ENT, ACQUA Clinic, Leipzig)

Gunter Trojandt
(CEO Surgical Process Institute, Leipzig)

Organisation Team
Vivian Gess
Iris Gollnick
Rebecca Teubner
ORGANISATION

- **REGISTRATION**
  - Mrs. Vivian Gess
  - fax: +49 341 33733163
  - e-mail: v.gess@irdc-leipzig.de
  - online: www.irdc-leipzig.de

- **LANGUAGE**
  - English

- **RECOMMENDED QUALIFICATION**
  - 🎓 4-7 years experience
  - 🎓 🎓 > 7 years experience

- **PARTICIPANTS**
  - Maximum of 20

- **CME CREDIT**
  - Applied for certification at the German Medical Chamber

- **COURSE FEE**
  - EUR 700.00

- **REGISTRATION TERMS**
  - After your registration you will receive a confirmation via email and an invoice sent to your postal adress. Cancellation needs to be in writing or by email. In the event of cancellation up to 7 days prior to the course 20% of the course fee will be charged. Cancellations made after this period will not be refunded. Upon prior notice, the registered participant may be replaced by another person. The IRDC Academy reserves the right for programme modifications.

- **SPONSORS**
  - Platinum: KARL STORZ GmbH & Co. KG
  - Gold: TRUMPF Medizin Systeme GmbH & Co. KG
  - Silver: Neuwirth Medical Products GmbH

- **SPECIAL THANKS TO**
  - KARL STORZ, SPI, ACQUA Klinik
The IRDC training courses are specifically developed for further education of surgeons in the field of highly specialized operating procedures. The training concept includes optimal training conditions, highly qualified trainers and applies the most recent technologies. For any questions please contact IRDC.

**TRAINING CONDITIONS**
- Professional theory and practice training
- Best training possibilities
- Application of most recent OR technologies
- Classification test to achieve best learning effect (small group learning after S. Kagan)
- Course certification through IRDC Academy and German Medical Chamber

**AREAS OF TRAINING**
- FESS I-IV, endoscopic septoplasty
- Extended approaches to frontal sinuses
- Endoscopic skull base surgery
- Endoscopic tumor surgery

**FOCUS SURGERY & EXAMPLE PROCEDURES**
- Stammberg Technology
- Draf-Access
- FESS I-IV
- Frontal Sinus Procedure (Lothrop, Draf)
- Malignomas of Frontal Skull Base (ACC, Aesthesioneuroblastoma, SCC)
- Septumplasty
- Mucosa Flaps

**FOCUS TECHNOLOGY**
- Instrument Navigation
- Distance Control
- Navigated Control
- Surgical Management and Guidance System
- Tool Tracking
- Active Instrument Control (AIC)
- Surgical Procedure Manager
- Integrated OR of the III Generation
- OR Logistics
# PROGRAMME

## Monday, 19th January 2015

Venue: International Reference and Development Centre (IRDC)

<table>
<thead>
<tr>
<th>TIME</th>
<th>TRAINING AIM</th>
<th>CONTENT</th>
<th>TRAINER</th>
</tr>
</thead>
<tbody>
<tr>
<td>07:30</td>
<td>Registration</td>
<td></td>
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</tr>
<tr>
<td>08:00</td>
<td>Welcome</td>
<td></td>
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</tr>
<tr>
<td>08:15</td>
<td>FESS I</td>
<td>SOP</td>
<td>Regular anatomy and approach to Infundibulum &amp; Maxillary Sinus; indications, periop treatment</td>
</tr>
<tr>
<td>08:45</td>
<td>EXH</td>
<td></td>
<td>Arrosion Lam. papyracea; bleeding ASP</td>
</tr>
<tr>
<td>09:15</td>
<td>FESS II</td>
<td>SOP</td>
<td>Ant. Ethmoid &amp; frontal sinus; indications, periop treatment</td>
</tr>
<tr>
<td>09:45</td>
<td>EXH</td>
<td></td>
<td>Revision surgery, balloon sinuplasty</td>
</tr>
<tr>
<td>10:15</td>
<td>Coffee Break</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10:30</td>
<td>Co-surgery I</td>
<td>PRA</td>
<td>Briefing: introduction of cases, strategy decision</td>
</tr>
<tr>
<td>11:00</td>
<td>PRA</td>
<td>FESS I-IV</td>
<td>SRG: Reda Kamel</td>
</tr>
<tr>
<td>11:30</td>
<td>PRA</td>
<td>MOD:</td>
<td>Marco Caversaccio</td>
</tr>
<tr>
<td>12:00</td>
<td></td>
<td>Lunch</td>
<td></td>
</tr>
<tr>
<td>13:30</td>
<td>FESS III</td>
<td>SOP</td>
<td>Regular anatomy and approach to posterior ethmoidectomy; indications, periop treatment</td>
</tr>
<tr>
<td>14:00</td>
<td>EXH</td>
<td></td>
<td>Bleeding AEA/AEP; KEROS II-III; CSF-leak</td>
</tr>
<tr>
<td>14:30</td>
<td>FESS IV</td>
<td>SOP</td>
<td>Regular anatomy and approach to sphenoid surgery; indications, periop treatment</td>
</tr>
<tr>
<td>15:00</td>
<td>EXH</td>
<td></td>
<td>Bleeding from cavernous sinus, ICA; atypical anatomy, Onodi cells, cavernous involvement of angiofibroma</td>
</tr>
<tr>
<td>15:30</td>
<td>Coffee Break</td>
<td></td>
<td></td>
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<tr>
<td>16:00</td>
<td>Simulator I</td>
<td>PRA</td>
<td>Briefing: training handbook, teams, schedule</td>
</tr>
<tr>
<td>16:30</td>
<td>PRA</td>
<td>FESS I</td>
<td></td>
</tr>
<tr>
<td>17:00</td>
<td>PRA</td>
<td>FESS II</td>
<td></td>
</tr>
<tr>
<td>17:30</td>
<td>PRA</td>
<td>De-Briefing, part 1: evaluation of all trainees</td>
<td></td>
</tr>
<tr>
<td>18:00</td>
<td></td>
<td>Free evening in Leipzig</td>
<td></td>
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</tbody>
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**SOP** Standard Operating Procedure  **BTN** Brief technical notes  **EXH** Exceptional Handling  **PRA** Practical training
**Tuesday, 20th January 2015**

*Venue: International Reference and Development Centre (IRDC)*

<table>
<thead>
<tr>
<th>TIME</th>
<th>TRAINING AIM</th>
<th>CONTENT</th>
<th>TRAINER</th>
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<tbody>
<tr>
<td>08:00</td>
<td>Extended frontal sinus</td>
<td>SOP Extended median drainage of frontal sinus (Draf, Lothrop)</td>
<td>Reda Kamel</td>
</tr>
<tr>
<td>08:30</td>
<td>Surgery for CSF-leaks</td>
<td>SOP Techniques for different locations</td>
<td>Reda Kamel</td>
</tr>
<tr>
<td>09:00</td>
<td>DCR</td>
<td>SOP Indications, techniques, perioperative handling</td>
<td>Gero Strauss</td>
</tr>
<tr>
<td>09:30</td>
<td>Orbital decompression</td>
<td>SOP Indications (e.g. Basedow disease), techniques</td>
<td>Marco Caversaccio</td>
</tr>
<tr>
<td>10:00</td>
<td></td>
<td></td>
<td>Coffee Break</td>
</tr>
<tr>
<td>10:30</td>
<td>Co-surgery II</td>
<td>PRA Briefing: introduction of cases, strategy decision</td>
<td>Juliane Grau</td>
</tr>
<tr>
<td>11:00</td>
<td></td>
<td>PRA Extended frontal sinus approach (Draf II-III)</td>
<td>SRG: T.N. Janakiram</td>
</tr>
<tr>
<td>11:30</td>
<td></td>
<td>PRA</td>
<td>MOD: Gero Strauss</td>
</tr>
<tr>
<td>12:00</td>
<td></td>
<td></td>
<td>Lunch</td>
</tr>
<tr>
<td>13:30</td>
<td>SMGS and Surgical</td>
<td>BTN Cockpit and integrated systems</td>
<td>Gunter Trojandt</td>
</tr>
<tr>
<td>14:00</td>
<td>Cockpit Set Up</td>
<td>BTN Tool tracking, Collision Warning, Active Instrument Control</td>
<td>Gero Strauss</td>
</tr>
<tr>
<td>14:30</td>
<td></td>
<td></td>
<td>Coffee Break</td>
</tr>
<tr>
<td>15:00</td>
<td>Simulator II (dry-lab)</td>
<td>PRA FESS III</td>
<td></td>
</tr>
<tr>
<td>15:45</td>
<td></td>
<td>PRA FESS IV</td>
<td></td>
</tr>
<tr>
<td>16:30</td>
<td></td>
<td>PRA Extended frontal approach</td>
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<tr>
<td>17:15</td>
<td></td>
<td>PRA Extended sphenoid approach</td>
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<tr>
<td>19:30</td>
<td></td>
<td></td>
<td>Course Dinner</td>
</tr>
</tbody>
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### Wednesday, 21st January 2015

**Venue:** International Reference and Development Centre (IRDC)

<table>
<thead>
<tr>
<th>TIME</th>
<th>TRAINING AIM</th>
<th>CONTENT</th>
<th>TRAINER</th>
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</thead>
<tbody>
<tr>
<td>08:00</td>
<td><strong>THEORY</strong> Tumors ASB-benign</td>
<td><strong>SOP</strong> Benign tumors (e.g. papilloma)</td>
<td>Ahmed Elguindy</td>
</tr>
<tr>
<td>08:30</td>
<td><strong>THEORY</strong> Tumors ASB-malignant</td>
<td><strong>SOP</strong> Malignant tumors (e.g. aethesioneuroblastomas, ACC)</td>
<td>T.N. Janakiram</td>
</tr>
<tr>
<td>09:00</td>
<td>Transnasal pituitary and neurosurgery</td>
<td><strong>SOP</strong> Sella, transpterygoid</td>
<td>Martin Bettag</td>
</tr>
<tr>
<td>09:30</td>
<td>Transnasal pituitary and neurosurgery</td>
<td><strong>SOP</strong> Suprasellar, transclival approach</td>
<td>Henry Schroeder</td>
</tr>
<tr>
<td>10:00</td>
<td></td>
<td><strong>PRACTICE</strong> Coffee Break</td>
<td></td>
</tr>
<tr>
<td>10:30</td>
<td>Simulator III (dry-lab)</td>
<td>PRA DCR</td>
<td></td>
</tr>
<tr>
<td>11:00</td>
<td></td>
<td><strong>PRA</strong> Orbital decompression</td>
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<tr>
<td>11:30</td>
<td></td>
<td><strong>PRA</strong> Sella and suprasellar approach (pituitary gland)</td>
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<tr>
<td>12:00</td>
<td></td>
<td><strong>PRA</strong> Transplanum approach</td>
<td></td>
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<tr>
<td>12:30</td>
<td></td>
<td><strong>PRACTICE</strong> Lunch</td>
<td></td>
</tr>
<tr>
<td>13:30</td>
<td>Simulator IV (dry-lab)</td>
<td>PRA Transclival approach</td>
<td></td>
</tr>
<tr>
<td>14:00</td>
<td></td>
<td><strong>PRA</strong> Middle cranial fossa approach</td>
<td></td>
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<tr>
<td>14:30</td>
<td></td>
<td><strong>PRA</strong> Middle cranial fossa approach</td>
<td></td>
</tr>
<tr>
<td>15:00</td>
<td></td>
<td><strong>PRA</strong> De-Briefing, part 2: evaluation of all trainees</td>
<td></td>
</tr>
<tr>
<td>15:30</td>
<td></td>
<td><strong>PRACTICE</strong> Certificates and Farewell</td>
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</table>
Leipzig is well-known for its industrial fair, the Leipziger Messe. In fact, the first trade exposition was held in 1190, making Leipzig one of the world’s oldest fair towns. It is also a cultural hub thanks to German composers Johann Sebastian Bach and Felix Mendelssohn Bartholdy who worked in the Saxon city.

In 1989 Leipzig Eastern German civil opposition started the so-called Monday Demonstrations, which became a public symbol of criticism of the political system and ultimately led to the collapse of the German Democratic Republic and the reunification of Germany. Today the city of 508,000 inhabitants is still famous as a trade fair town, as the site of Germany’s second oldest universities, and as one of the country’s greenest towns – approximately 50% of it is covered by parks, gardens or woods. The Leipzig University celebrated its 600th anniversary in 2009. One can visit many historic and very modern sites of this excellent scientific place.
We gladly recommend you our course hotel with special conditions:

InterCity Hotel
Tröndlinring 2
04105 Leipzig
Phone: +49 341 308661-0
mail: leipzig@intercityhotel.de
www.intercityhotel.com
Single Room incl. breakfast: EUR 79.00
Double Room incl. breakfast: EUR 99.00

During all course days the IRDC offers a free shuttle from the InterCity Hotel to the course venue. Furthermore the room prices include a free-of-charge ticket for all public passenger transport in Leipzig.

Located at the main station and near the city centre, the InterCity Hotel radiating comfort and flair awaits you as guest. Many of the sights of interest of Leipzig, such as the old town hall, the St. Nicholas Church, the opera house or the Gewandhaus, Leipzig’s concert hall, can be reached easily on foot or by tram. The Leipzig Trade Fair grounds as well as the Congress Center Leipzig (CCL) and the Leipzig/Halle Airport can be reached comfortably and quickly by local public transport. The FreeCityTicket included in the price of your room ensures your mobility without any additional costs.

The 166 tastefully furnished rooms offer, in addition to SAT-TV with free Sky channels and WiFi, an ideal “atmosphere of wellness” best to relax after a strenuous appointment or an exciting sightseeing tour. There are 3 modern rooms for conferences and events at the guest’s disposal. And, quite naturally, all of the rooms are air-conditioned and have daylight illumination.

Leipzig as City of Music

Leipzig’s reputation as city of music is unquestioned. Bach, Mendelssohn-Bartholdy, Schumann, Wagner, Lortzing and Mahler worked here among others. The St. Thomas Boys Choir and the Gewandhaus Orchestra are also to be mentioned.

The St. Thomas Boys Choir performs on a regular basis in the St. Thomas’s Church, where Johann Sebastian Bach once worked as choirmaster and composer.

The concert hall, the so-called Gewandhaus, is particularly renowned for the orchestra for which it is home, the illustrious Gewandhausorchester.

The Orchestra is one of the oldest and most famous German concert orchestras.

The Leipzig Opera traces its establishment to the year 1693, making it the third oldest opera venue in Europe. Today, Leipzig’s Opera House boasts one of the best ballet companies in Europe, an opera choir, a children’s choir and a ballet school.
Musical Events during the course period

St. Thomas Church

January 18th  6:00 p.m.  Evening service with organ

Gewandhaus / Orchestra Hall Leipzig

January 18th  4:00 p.m.  Wiener Johann Strauß Concert
                         Das Österreichische K&K Ballett

January 20th  8:00 p.m.  Concert Gleymdir Staðir - Forgotten Places
                         MDR Sinfonieorchester; MDR Rundfunkchor

January 22nd  8:00 p.m.  The Original Concert
                         Gewandhausorchester

Opera House Leipzig

January 18th  4:00 p.m.  The Valkyrie | Richard Wagner

January 19th  6:00 p.m.  Blue Monday | Ballet Company Leipzig

January 22nd  7:30 p.m.  Decadance | Ballet Company Leipzig

Leipzig today

By now respectable, well-known companies like BMW, Porsche and DHL have chosen Leipzig as location of their business. A reason on the one hand is of course the highly modern and excellent infrastructure of the region. On the other hand they are surely conscious about finding a new environment where modernity is combined with tradition and history.

The Porsche as well as the BMW companies offer fascinating tours through their factories. We will also gladly assist you with short-trip arrangements to Berlin or Dresden.

Please contact the IRDC Academy office for all advance bookings.
To carry out an event such as the Surgical Cockpit Training Course would not be possible without the support and contributions by the companies and organizations presented in the following listing. Their help is highly appreciated.