Perioperative Management in CRS and HIPEC of Peritoneal Malignancy

5th Course: 01.-06. December 2017

Module 1: Perioperative Management during Cytoreductive Surgery (CRS) and Hyperthermic Intraperitoneal Chemotherapy (HIPEC) in the Treatment of Peritoneal Surface Malignancy (PSM) 01.-02.12.2017

Module 2: Live Demonstration of Patients Treatment (limited Number of Participants) 04.-06.12.2017

Chair: Beate Rau, Charité Campus Virchow Klinikum, Berlin
Co-Chair: Roland Francis, Charité Virchow Klinikum, Berlin

Speakers:
Felix Aigner MD, Department of Surgery, Charité Campus Virchow Klinikum, Berlin, DE
Nicolai Andrees MD, Department of Anesthesiology & Critical Care Medicine, Charité Campus Virchow Klinikum, Berlin, DE
Matthias Biebl MD, Department of Surgery, Charité Campus Virchow Klinikum, Berlin, DE
Andreas Brandl MD, Department of Surgery, Charité Campus Virchow Klinikum, Berlin, DE
Sabine Enkelmann, Scrub nurse, Department of General Surgery, Charité Campus Mitte, Berlin, DE
Severin Daum MD, Department of Gastroenterology, Charité Campus Benjamin Franklin, Berlin
Astrid Fahlenkamp MD, Department of Anesthesiology & Critical Care Medicine, Charité Campus Virchow Klinikum, Berlin, DE
Margit Facklam, Health and safety officer, Charité Campus Virchow Klinikum, Berlin, DE
Roland Francis MD, Department of Anesthesiology & Critical Care Medicine, Charité Campus Virchow Klinikum, Berlin, DE
Gabriel Glockzin MD, Department of Surgery, Klinikum Bogenhausen, Munich, DE
Jens Hartmann MD, Chair of the Department of Surgery, AKH, Celle, DE
Magnus Kaffarnik MD, Department of Surgery, Charité Campus Virchow Klinikum, Berlin, DE
Axel Köhler, Commercial Controlling Department of Surgery, Charité, Berlin, DE
Martin Krebs MD, Department of Anesthesiology & Critical Care Medicine, Charité Campus Virchow Klinikum, Berlin, DE
Rainer Kuhly MD, Department of Anesthesiology & Critical Care Medicine, Charité Campus Virchow Klinikum, Berlin, DE
Susanne Marz MD, Intensive Care Unit, Department of Surgery, Charité Campus Mitte, Berlin, DE
Faheez Mohamed MD, Peritoneal malignancy institute, Basingstoke Hospital, Basingstoke, GB
Verena Müller MD, Department of Surgery, Charité Campus Mitte, Berlin, DE
Antonia Pallauf MD, Charité Compréhensive Cancer Center, Psychooncology, Charité Campus Mitte, Berlin, DE
Pelz Jörg MD, Department of Surgery, University of Wuerzburg, Wuerzburg, DE
Johann Pratschke MD, Head of Department of Surgery, Charité Campus Mitte | Virchow Klinikum, Berlin, DE
Christoph Raspé MD, Head of Department Anesthesiology & Critical Care Medicine, University, Halle, DE
Beate Rau MD, Department of Surgery, Charité Campus Virchow Klinikum, Berlin, DE
Micheal Sander MD, Department of Anesthesiology & Critical Care Medicine, Justus-Liebig-University Gießen and Marburg, Gießen, DE
Torsten Schröder MD, Department of Anesthesiology & Critical Care Medicine, Charité Campus Mitte, Berlin, DE
Martina Seif MD, Pharmacist, Central Cytostatic Drug Administration, Charité Campus Virchow Klinikum, Berlin, DE
Marianne Sinn, Department for Medical Oncology, Charité Campus Virchow Klinikum, Berlin, DE
Jesse Smith, Scrub nurse, Department of General Surgery, Charité Campus Virchow Klinikum, Berlin, DE
Sascha Tafelski MD, Department of Anesthesiology & Critical Care Medicine, Charité Campus Virchow Klinikum, Berlin, DE
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Workshop Goals
The combination of cytoreductive surgery (CRS) and hyperthermic intraperitoneal chemotherapy (HIPEC) as a treatment for peritoneal metastases is becoming ever more significant for both palliative and curative cancer treatment. In order to bring the greatest possible benefit to the patient, both careful preoperative selection and also standardized perioperative management are crucial. The Standard Operation Procedures (SOP) for performing CRS/HIPEC at the Charité Department of Surgery were developed on the basis of both experience and the most recent research. These SOPs are part of what made it possible for a Department of Surgery to be certified by the German Cancer Society and OnkoZert as a peritoneal malignancy center.

Module 1: This two day workshop will include expert talks, videos, interactive case discussions both for surgical and on postoperative intensive care unit belongings. Participants will experience the most significant problems in the operating room or intensive care unit. The key element of this training is a post-scenario debriefing where the participants can discuss treatment strategies, difficulties, standards, and questions. After this module they are able to prepare a SOP, which fits their clinical situation. Participant are encouraged to write their skeletal own SOP and discuss contents in module 2.

Module 2: During three days participants will join the clinical pathway at the Charité Department of Special Surgical Oncology. Multi-disciplinary board discussion, intraoperative live procedures for surgical and anaesthesiological belongings. Postoperative ICU and ward rounds and discussion along the SOP Guidelines of the department. (limited number of participants).

Prerequisites for Participation
- Surgical or anesthesiological intensive care training (at least one year of experience on an intensive care unit)
- Anesthesiologist or surgeon (close to achieving board specialist certification)
- Experience with HIPEC or similar treatment

Instructional Methods
Module 1: Interdisciplinary course; Talks, small groups; Case examples using simulation patient; Hands on: simulator
Module 2: Interdisciplinary case discussions, development of SOP for own belongings, intraoperative live procedures for surgical and anaesthesiological

Patronage
Berufsverband der Deutschen Chirurgen (BDC)
Berufsverband Deutschen Anästhesisten (BDA)
Deutsche Gesellschaft für Allgemein- und Viszeralchirurgie (DGAV)
Deutsche Gesellschaft für Anästhesiologie und Intensivmedizin (DGAI)
European Society of Surgical Oncology (ESSO)

Course Location
Seminar rooms: Department of Anesthesiology and Critical Care Medicine
Campus Charité Mitte.
Friedrich Busch-Haus (alte Zahnklinik),
Virchowweg 24 auf dem Campus Charité Mitte in
10117 Berlin

Accommodations
We have reserved several rooms for our participants at Hotel Albrechtshof (under the key word CHARITE011217 from 1.-2.12.2017 or CHARITE041217 from 4.-6.12.2017). These will be available to book (at the special price) until 10 of November, 2017.

Hotel Albrechtshof: Albrechtstraße 8; 10117 Berlin
albrechtshof@albrechtshof-hotels.de Tel. +49 (30) 308 86 0 Fax +49 (30) 308 86 100
http://www.albrechtshof-catering.de/de/ihre-ansprechpartner.html
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Secretary
Sandra Wegel
Tel. +49 (0) 30 450 622 266
Fax +49 (0) 30 450 7 522 214
Email: sandra.wegel@charite.de

Registration
Please send your registration to the secretary (above). Teams from hospitals will receive preference.
Please send the following documents as a pdf-file application
Team (name and department)
Letter of motivation
Letter of Reference from the head of your department

Deadline for registration
Deadline: 10. November 2017

Participation fee
Module 1: The participation fee is 250 EUR for members of the BDC, BDA, DGAV, DGAI, ESSO and 300 EUR for non-members. This includes registration for the entire course and meals.

Module 2: The participation fee is 450 EUR for members of the BDC, BDA, DGAV, DGAI, ESSO and 500 EUR for non-members. This includes registration for the entire course and meals.

Accreditation
This course is accredited by the Ärztekammer with 15 CME points of the category C
Perioperative Management in CRS and HIPEC of Peritoneal Malignancy

5th Course: 01.-06. December 2017

MODULE 1: Perioperative management of cytoreductive surgery (CRS) and hyperthermic intraperitoneal chemotherapy (HIPEC) in the treatment of peritoneal malignancy

Friday 01.12.2017

10:00-10:10  Welcome
Johann Pratschke

10:10-10:40  Introduction
Beate Rau, Roland Francis

10:40-13:10  Multidisciplinary approach in treating patients with peritoneal surface malignancy
Chairs  Beate Rau - Roland Francis
10:40-11:00  Surgical approach to peritoneal surface malignancy
Beate Rau
11:00-11:20  Cost analysis for CRS and HIPEC
Axel Köhler, Thomas Winklmann
11:20-11:40  Anesthetic challenges in CRS and HIPEC
Roland Francis

11:40-12:00  Coffee break

12:00-12:20  Goal directed vs. Standard fluid therapy
Christoph Raspé
12:20-12:40  Hemodynamic monitoring during CRS and HIPEC: necessary or nice to have
Michael Sander
12:40-13:00  Replacement of blood loss and bleeding: When, what, how much and prognostic influence?
Martin Krebs

13:00-14:00  Lunch break

14:00-18:00  Cytostatic drugs and Toxicity
Chairs  Torsten Schröder - Susanne Marz
14:00-14:15  Rationale for pre- and postoperative chemotherapy CRS and HIPEC
Marianne Sinn
14:15-14:30  Rationales for HIPEC (drugs, dosage, toxicity)
Gabriel Glockzin
14:30-14:45  Preoperative work up and nutrition
Verena Müller
14:45-15:00  Management of cytostatic drugs in the operating theater
Martina Seif
15:00-15:15  Managing HIPEC adverse events in the perioperative period
Andreas Brandl, Sabine Enkelmann, Jesse Smith
15:15-15:30  Preventing and managing complications associated with CRS and HIPEC
Perioperative Management in CRS and HIPEC of Peritoneal Malignancy
5th Course: 01.-06. December 2017

Faheez Mohamed

15:30-16:00 Coffee break

16:00-18:00 HIPEC
Chairs Faheez Mohamed - Andreas Brandl

16:00-16:15 HIPEC protocols and safety: What are the risks?
Jörg Pelz

16:15-16:30 Intraoperative HIPEC: Simulation and principles of HLM during HIPEC (Flow rate, fluid, temperature)
Andreas Brandl

16:30-16:45 Preventing chemo-induced toxicity (from HIPEC and bidirectional HIPEC)
Severin Daum

16:45-17:15 Interactive case discussion on pitfalls in the OR
Astrid Fahlenkamp

17:15-17:30 Final discussion and feedback round
Susanne Marz, Roland Francis

19:30 Dinner

Saturday 02.12.2017

09:00-10:00 Postoperative management
Chairs Gabriel Glockzin - Susanne Marz

09:00-09:15 Preventing early complications
Matthias Biebl

09:15-09:30 Pain management throughout the patients journey
Susanne Marz

09:30-09:45 Stepping down from intensive care: Risk and management
Felix Aigner

09:45-10:00 Risk factors to ICU re-admission
Magnus Kaffarnik

10:00-10:40 Case discussion: Management of postoperative complications in ICU
Susanne Marz, Michael Sander, Astrid Fahlenkamp

10:40-11:00 Coffee break

11:00-13:00 Aspects of quality of life and Simulation ICU
Susanne Marz, Torsten Schröder

11:00-11:15 Interactive case discussion: late complications
Andreas Brandl

11:15-11:30 Psychological problems after CRS and HIPEC
Antonia Pallauf

11:30-11:45 Quality of life after CRS and HIPEC
Jens Hartmann
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<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Presenter(s)</th>
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<tbody>
<tr>
<td>11:45-12:00</td>
<td>Outcome after CRS and HIPEC for colorectal peritoneal metastases</td>
<td>Faheez Mohamed</td>
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<tr>
<td>12:00-12:15</td>
<td>Outcome after CRS and HIPEC for gastric cancer peritoneal metastases</td>
<td>Beate Rau</td>
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<td>12:15-12:30</td>
<td>Local hospital and national guidelines in PSM</td>
<td>Jörg Pelz</td>
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<td>12:30-12:45</td>
<td>How to process a SOP</td>
<td>Andreas Brandl</td>
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<td>12:45-13:00</td>
<td>Final discussion, distribution of certificates</td>
<td>Susanne Marz - Beate Rau</td>
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**Lunch Packet**
Perioperative Management in CRS and HIPEC of Peritoneal Malignancy
5th Course: 01.-06. December 2017

MODULE 2: Live Demonstration of Patients Treatment

Monday 04.12.2017

08:15-09:30 Multidisciplinary Tumor Board (MTB)
Faculty

09:30-11:00 Outpatients Care – Preoperative Anaesthesiological SOP’s
Beate Rau, Sascha Tafelski, Nicolai Andrees

11:00-12:00 Surgical Ward Round - Anaesthesiological Ward Round
Beate Rau, Andreas Brandl, Magnus Kaffarnik, Susanne Marz, Roland Francis

12:00-13:00 Lunch

13:00-14:00 SOP - Development for own belongings
Beate Rau, Andreas Brandl, Nicolai Andrees, Magnus Kaffarnik

14:00-14:30 Coffee Break

14:30-15:40 Surgical Ward Round - Anaesthesiological Ward Round
Beate Rau, Andreas Brandl, Magnus Kaffarnik, Susanne Marz, Nicolai Andrees

15:45-16:00 OP-Indication
Faculty

Tuesday 05.12.2017

08:30-15:45 Operation Theater Live procedure
Beate Rau, Andreas Brandl, Rainer Kuhly, Magnus Kaffarnik

**Surgery:** Beate Rau, Andreas Brandl

**Anaesthesiology:** Rainer Kuhly, Nicolai Andrees

**ICU:** Susanne Marz, Magnus Kaffarnik

15:45-16:00 OP-Indication
Faculty

16:00-17:00 SOP - Development for own belongings
Beate Rau, Andreas Brandl, Nicolai Andrees, Magnus Kaffarnik

Wednesday 06.12.2017

08:30-16:00 Operation Theater Live procedure

**Surgery:** Beate Rau, Andreas Brandl

**Anaesthesiology:** Rainer Kuhly, Nicolai Andrees

**ICU:** Susanne Marz, Magnus Kaffarnik

16:00-16:30 Conclusions, Evaluation, Certificates, Fare well