**Modern approaches in pediatric cardiac surgery and postoperative care**

**Address:** Deutsches Herzzentrum Berlin, Augustenburger Platz 1, 13353 Berlin, Deutschland

**Dates**: 30.07.2018 – 03.08.2018

**Course moderator:** Prof. Dr. med. Felix Berger, Director, Department of Congenital Heart Disease – Paediatric Cardiology

**Program**

**Day 1**

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| 09:00 – 09:45 | Arrival to Deutsches Herzzentrum Berlin. Meeting with Prof. Dr. med. Felix Berger. |
| 09:45 – 10.30 | Acquaintance with the rules of the hospital. Surgery day planning. |
| 10:30 – 11:30 | Discussion: Interaction among members of a multidisciplinary team committed to the care of infants |
| 11:30 – 13:30 | Live surgery (OR visitation). |
| 13:30 – 14:30 | Lunch |
| 14:30 – 17:00 | Live surgery (OR visitation).  |
| 17:00 – 18:00 | Discussion of the surgical approaches used during the day. |
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**Day 2 -4**

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| 08:00 – 09:30 | Morning conference: admitting of patients into the Intensive Care Unit. Discussion of the planned operations and patients. Analysis of Echo, CT and MRI. |
| 09:30 – 12:00 | Live surgery (OR visitation).  |
| 12:00 – 12:30 | Answering questions, discussion of the surgical procedures. |
| 12:30 – 13:30 | Lunch. |
| 13:30 – 16:00 | ICU visitation – postoperative care organization. |
| 16:00 – 17:00 | Discussion of the surgical and cardiologist approaches used during the day. |

**Day 5**

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| 08:00 – 09:30 | Morning conference. Discussion of the planned operations and patients, analysis of Echo, CT and MRI. |
| 09:30 – 12:00 | Live surgery (OR visiting).  |
| 12:00 – 12:30 | Answering questions, discussion of the surgical procedures. |
| 12:30 – 13:30 | Lunch. |
| 13:30 – 16:00 | ICU visitation – postoperative care organization. |
| 16:00 – 17:00 | Discussion of the surgical and cardiologist approaches used during the day. |
| 17:00 – 18:00 | Conclusion and results. Feedback. |

**Planned live surgery cases and topics for discussion:**

* Neonatal surgery and postoperative care
* Pathophysiology of congenital heart defects
* Cardiopulmonary bypass and myocardial preservation
* Transposition of the great arteries
* Tetralogy of Fallot and pulmonary atresia
* Hypoplastic left heart syndrome
* Fontan circulation
* New and emerging frontiers in pediatric cardiac surgery