**Modern approaches in pediatric cardiac surgery**

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

**Dates**: 19.09.2016 – 30.09.2016

**Course moderator:** Ovroutski Stanislav, MD, PhD, Senior Physician, Congenital Heart Disease Department

**Program**

**19.09.2015**

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| 9.00 – 9.45 | Arrival to Deutsches Herzzentrum Berlin. Meeting with Ovroutski Stanislav. |
| 9.45 – 10.30 | Acquaintance with the rules of the hospital. Surgery day planning. |
| 10.30 – 13.00 | Live surgery (OR visiting). |
| 13.00 – 13.30 | Answering questions, discussion of the surgical procedures. |
| 13.30 – 14.30 | Lunch |
| 14.30 – 17.00 | Live surgery (OR visiting). |
| 17.00 – 18.00 | Discussion of the surgical approaches used during the day. |
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**20.09.2016 – 29.09.2016**

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| 8.00 – 9.30 | Morning conference. Discussion of the planned operations and patients, analysis of Echo, CT and MRI. |
| 9.30 – 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 | Live surgery (OR visiting). |
| 16.00 – 17.00 | Discussion of the surgical approaches used during the day. |

**30.09.2016**

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| 8.00 – 9.30 | Morning conference. Discussion of the planned operations and patients, analysis of Echo, CT and MRI. |
| 9.30 – 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 | Live surgery (OR visiting). |
| 16.00 – 17.00 | Discussion of the surgical approaches used during the day. |
| 17.00 – 17.30 | 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
* Interaction among members of a multidisciplinary team committed to the care of infants