



Application for Hosting EACTAIC Pediatric Cardiac Anesthesia (PCA) Fellowship Program

**1. Fellowship Information**

**2. Institution Name**  
Institute of Anesthesiology and Pain Therapy, Heart and Diabetescenter Bad Oeynhausen, NRW, Ruhr-University Bochum, Germany

Address: Georgstrasse 11  
Country: Germany, Bad Oeynhausen

Will your center stand alone to host the PCA Fellowship Program?  Yes  
If, not please explain: \_\_\_\_\_

**3. Program Director(s)**

First name: Andreas/Vera, Last name: Koster/von Dossow  
Affiliation: Prof. Dr. med./Univ.-Prof. Dr med.  
Board Certification(s): Anesthesiology, Critical Care Medicine, Transplantation Medicine  
EACTAIC membership:  Yes, if yes, membership's number: 101602(Koster)/ 102203 (vdossow)  
Email: akoster@hdz-nrw.de, vvondossow@hdz-nrw.de, Phone: 495731971128  
Mailing Address: Street: Georgstrasse 11, Country: Germany, Region: \_\_\_\_\_, Zip code: 32545

The program director and a minimum of two faculty members declare in writing that they will dedicate sufficient time (i.e. minimum 10% of working time) to attend to his or her responsibilities.

A documentary evaluation process will be undertaken  Yes  No at least once every 4 months.

Completion of the program will be acknowledged by the Department of Anesthesia and Intensive Care at the host centre in junction with European Association of Cardiothoracic Anaesthesia and Intensive Care (EACTAIC) Candidate's requirements  Yes  No

**4. Candidate's requirements**

The candidates must be board certified or board eligible according to European residency program standards  Yes  No

Language requirements: C1  C1  Comments: German authorities request a German language test

Specific requirements towards the attending fellow: \_\_\_\_\_

Candidates must have finished German Board Certification (Approbation) and must have finished their residency. In addition one year adult cardiothoracic anesthesia and one year pediatric anesthesia is obligatory prior entering to the program possible.

**5. General Program Information**

Aims, goals and objectives of the PCA Fellowship Program

The aims, goals and objectives of the PCA fellowship program are following the recent published EACTA-curriculum of pediatric cardiac anesthesia.

The trainees will have the opportunity to learn pediatric cardiac anesthesia in a surgical and interventional setting under direct supervision of one of our instructor. Our anesthesia instructors have at least 4-6 years experience in cardiac pediatric anesthesia. In addition, ultra-fast track concepts are included with early extubation in the OR as well as analgesation protocols in pediatrics and neonates undergoing interventional procedures.

In addition, a four week rotation to PICU is planned.

Preferred Duration: \_\_\_\_\_

\* Of note, the training period should not be interrupted by frequent and/or prolonged periods of secondment to other divisions / departments.

Preferred Program Training: 01/03/2022 February 1 End: February 18

Number of Positions Per Year: 2

Type of fellowship training available: \_\_\_\_\_

Clinical / Clinical Research  Clinical  Research

The fellow will have the opportunity to provide direct patient care during his/her training program, under supervision from the legal representative of the hosting institute. "i.e. hands-on practice".  Yes  No

The mentor must provide the Fellow with one-on-one clinical supervision during the first six-months of the training and based on the conditional independence on a case-by-case assessment by the mentor  Yes  No

Fellows may manage simple cases with supervision from elsewhere in the hospital, but complex cases must have direct supervision.  Yes  No

According to educational attainment, would the mentor's supervision of the Fellow become more indirect provided that the mentor should nevertheless be physically present in the hospital and promptly available within a short duration  Yes  No

Will the PCA fellowship training be not interrupted by prolonged periods of absence because of illness or personal circumstances  Yes  No

Absence from training for sick leave or personal circumstances requires a proportionate extension of the training period.  Yes  No

Program Director and Faculty Members Research Interest and/or Clinical Expertise

\* Please, list at least three names and include the list of publications for the faculty members with the application form.

| Name             | EACTAIC member | Certification in Cardiothoracic and Vascular Anesthesia | Additional Qualifications | Email address          | Contact address |
|------------------|----------------|---|---------------------------|------------------------|-----------------|
| Vera von Dossow  | Yes            | no  |                           | vvondossow@hdz-nrw.de  | see above       |
| Andreas Koster   | Yes            | no  |                           | akoster@hdz-nrw.de     | see above       |
| Ninos George     | Yes            | no  |                           | ngeorge@hdz-nrw.de     | see above       |
| Zisis Galatoudis | Yes            | no  |                           | zgalatoudis@hdz-nrw.de | see above       |

**6. Resources**

Check if each of the following is available at the host centre.

| Resources  | Yes / No | Days per week | Number     |
|--|----------|---------------|------------|
| Total pediatric ward beds for congenital heart disease (CHD) patients  | Yes      | 7             | 25         |
| Number of PICU beds dedicated to CHD patients  | Yes      | 7             | 15         |
| Is there an emergency department in which CHD patients are managed 24 hours a day?                           | Yes      | 7             | PICU       |
| Are adult patients with CHD managed in the host center?  | Yes      | 7             | > 200/year |
| Total number of adult patients with CHD undergoing surgery   | Yes      | 7             | 40         |
| Total number of adult patients with CHD undergoing interventional cardiology                                 | Yes      | 7             | > 50       |
| Is there monitoring and advanced life support equipment representative of current levels of technology?      | Yes      | 7             |            |
| Outpatient Clinic for perioperative evaluation of patients undergoing cardiothoracic and vascular procedures | Yes      | 5             |            |
| 24-hours acute pain service available for paediatric patients undergoing different procedures                | No       | Days/week     | no         |
| Meeting Rooms  | Yes      | 7             | 10         |
| Classrooms with visual and other educational aids  | Yes      | 7             | 4          |
| Study areas for fellows  | Yes      | 7             | 2          |

**7. The skills and Responsibilities**

Will your Program offer a 12 months fellowship education in fundamental clinical skills of medicine relevant to the practice of CHD?  Yes  No

If yes, for each rotation or experience below, specify the duration (in months, four weeks = one month) during the 12 months of education in fundamental clinical skills.

| Caring for inpatients in   | Number of performed procedures/year   |            |
|--|---|------------|
|  | Center (1)  | Center (2) |
| Total number of paediatric patients (16 years or younger) with CHD undergoing surgery using CPB per year             | Total: 302 (88 (5-16 years))  | na         |
| Total number of paediatric patients (16 years or younger) with CHD undergoing surgery without using the CPB per year | 4   | na         |
| Total number of paediatric patients (4 years or younger) with CHD undergoing surgery using CPB per year              | 157 less than one year old and 57 from one year to four years old are in total 214 below four years | na         |
| Total number of paediatric patients (4 years or younger) with CHD undergoing surgery without using the CPB per year  | 7   | na         |
| Total number of paediatric patients (one year or younger) with CHD undergoing surgery using CPB per year             | 157   | na         |
| Total number of paediatric patients (one year or younger) with CHD undergoing surgery without using the CPB per year | 23  | na         |
| Total number of adult patients with CHD undergoing surgery using CPB per year  | 38  | na         |
| Total number of adult patients with CHD undergoing surgery without using the CPB per year                            | 2   | na         |
| Total number of paediatric patients (16 years or younger) with CHD undergoing interventional cardiology per year     | >20   | na         |
| Total number of adult patients with CHD undergoing interventional cardiology per year                                | >20   | na         |

|   |                        |    |
|---|------------------------|----|
| Cardiac surgery without CPB   |                        | na |
| Interventional Cardiac Catheterization  | 300                    | na |
| PICU  | One month rotation     | na |
| Electrophysiology Lab (e.g. mapping, ablation, pacemakers, ICDs)                                    | 34                     | na |
| Heart, Lung, and Heart/Lung Transplants   |                        | na |
| ECLS, VAD Procedures  | 9                      | na |
| Echocardiography Lab  |                        | na |
| Tracheo-Bronchial Surgery   | no                     | na |
| Basic or Advanced Research  |                        | na |
| <b>Rotations in</b>   | <b>Number of cases</b> |    |
| <b>Pediatric cardiac anesthesia</b>   |                        |    |
| Surgical cases with CPB   | 0                      |    |
| VSD or ASD  | 57                     |    |
| Atrioventricular septal defect  | 26                     |    |
| Tetralogy of Fallot   | 24                     |    |
| Left-sided valve lesion   | 33                     |    |
| Bidirectional Glenn   | 26                     |    |
| Fontan procedure  | 22                     |    |
| Rastelli and Damus-Kaye-Stansel procedures, intracardiac tumor                                      | 34                     |    |
| Other   | 80                     |    |
| Surgical cases without CPB  | 34                     |    |
| Modified Blalock-Taussig shunts   | 2                      |    |
| Coarctation repair  | 6                      |    |
| Pulmonary artery banding  | 2                      |    |
| PDA closure   | 9                      |    |
| Treatment of vascular rings   | 3                      |    |
| Other   | 12                     |    |
| <b>Paediatric interventional cardiac catheterization</b>  | 300                    |    |
| <b>Diagnostic</b>   | 490                    |    |
| Neonatal aortic or pulmonary vessel or valve treatmen (e.g. Pulmonary artery stenosis, coarctation) | 60                     |    |
| ASD, VSD, or PDA device closure   | 108                    |    |
| Other therapeutic   | 132                    |    |
| Care of adult patients with CHD   | 80                     |    |
| Trans-esophageal and trans-thoracic echocardiography  | >200                   |    |
| Medical or surgical Critical Care Rotation  | yes                    |    |
| Paediatric EPS  | >20                    |    |
| Extracorporeal perfusion or ECLS technology (CPB, ECMO)   | 344                    |    |
| Pediatric thoracic anesthesia   | 0                      |    |
| Basic Research  | no                     |    |
| Clinical Research   | yes                    |    |

All fellows entering the PCA Program will complete each of the fundamental medical knowledge of requirements included in the EACTAIC PCA Curriculum

Yes

All fellows entering the PCA Program will complete each of the fundamental clinical / technical skills of requirements included in the EACTAIC PCA Curriculum

Yes

Clinical Responsibility

Preoperative evaluation, premedication visit, risk stratification, active participation in interdisciplinary conference prior cardiac interventions and cardiac surgery, anesthesia management, ultra-sound guided line insertion, weaning from CPB, ultra-fast-track concepts and early extubation in the OR.

In addition the fellow will be involved in clinical duties of adult cardiac anesthesia as well as pediatric cardiac anesthesia.

In addition, the fellow is actively involved in NM&M Conferences, case presentations and lectures. In addition TEE Lectures under supervision

All fellows entering the PCA Program will complete each of the fundamental non- technical skills of requirements included in the EACTAIC PCA Curriculum

Yes

Non-technical skills

Improvement of non-technical skills will be trained by communication skills (SBAR concept, patient-doctor communication) and simulation of crisis resource managing (CRM) in the OR.

List any other rotations (along with their duration, in months) offered in the Program to augment fellows' learning (e.g. General adult cardiac anesthesia, Adult TEE...).

Adult cardiothoracic surgery, cardiac MRT, Cardiac catheter lab, surgery on the ICU's (Chest closure, ECMO implantation/explantation i.e.)

Will advanced subspecialty rotations reflect increased responsibility and learning opportunities?

No

Will the Fellow assume on call duties in the hospital?

Yes

If yes please provide whether this will be only for PCA or will be for pediatric anesthesia and/or cardiac anesthesia?

How will be the financial aspects of these on call duties?

According to regular agreement of the hospital

Will the Fellow have a free day following an on call duty?

Yes

How will be the financial aspect of these on call duties. Please describe in detail.

according regular agreement of the hospital

Maximum Time in Non-Clinical Activities per week

4-6 hours

### 8. Financial Statement

An employment contract will be signed with the candidate

Yes

Accommodation options are provided

No

Transportation/travel options are provided

No

Monthly Salary

Amount

ca. 5600

Currency

Euro

Is VAT / Taxes included?

No

This opportunity is not funded by the centre

No

Source of financial support for the candidate:

Sources

Others

Will the working hours directives be respected according to the prevailing national law?

Yes

### 9. Educational and Academic Programs

Didactic Sessions

What will be the frequency of the following educational topics in the program's schedule?

|  | Weekly | Bi-weekly | Monthly | Quarterly | Semi-annually | Annually | Fellows' attendance would be monitored |
|--|--------|-----------|---------|-----------|---------------|----------|--|
| Critical care appraisal of the literature (i.e., journal club) | Yes    | Yes       | Yes     | Yes       | No            | No       | Yes / No                               |
| Quality improvement (M&M, QA)                                  | No     | No        | Yes     | No        | No            | No       | Yes / No                               |
| Board review (e.g., oral exams, keywords)                      | No     | No        | No      | No        | No            | Yes      | Yes / No                               |
| Grand rounds   | No     | No        | No      | Yes       | No            | No       | Yes / No                               |
| Other (specify) Click here to enter text.                      |        |           |         |           |               |          |  |

Formal Course Work Available in

HDZ has a CPB simulator, therefore we will train our fellows on the simulator. Perspective: Collaboration with university Bonn (PCA fellowship) for teaching of non-technical skills in a simulation program (no signed contract necessary, this is an interuniversity approach)

Extra-Institutional Educational Conference Support:

Pediatric anesthesia (annual german meeting), EACTA meeting, DGTHG meeting (cardiac surgeons), DGAI, ESA, the centre offers the expenses of these opportunities

The Opportunity for Exchange with other training facilities

No

### 10. Assessment

The Program Director will evaluate each fellow every four months as per EACTAIC regulations

Yes

A documentary evaluation process will be undertaken at least once every four months.

Yes

The 4-monthly evaluation will include

360-degree evaluation

Yes

Clinical skills evaluation (CSE)

Yes

Personal reports from the faculty

Yes

Reflection and self-assessment by the Fellow

Yes

Learning goals for the next four months

Yes

Feedback from the fellow on the quality of education

Yes

### 11. Practice-based Learning and Improvement

1. Briefly describe the main learning activities regarding non-clinical skills and their assessment during the fellowship

The institute of anesthesiology has two TEE simulators to improve practice-learning. In addition, collaboration with University Bonn PCA fellowship program would be a helpful option for simulation training and skills lab. This is also important for exchange of the fellows.

2. Briefly describe one planned quality improvement activity or project that will allow the fellows to demonstrate an ability to analyse, improve and change practice or patient care. Describe planning, implementation, evaluation and provisions of faculty support and supervision that will guide this process.

i.e. 3- month observational study to document standard operating procedure of the ultra-fast-track concept with extubation in the OR, including postanesthesia visit summarize and analyse this concept to present it in a clinical conference.

3. Briefly describe how fellows will participate in the education of patients, families, students, fellows, and other health professionals.

Hospitation for one week with the social workers of the HDZ and with the (pediatric contact nurse) to understand education of patients, social, ethnic and religious backgrounds. The contact nurse is a patient and family empowerment program of the HDZ

#### 12. Interpersonal and Communication Skills

1. Briefly describe one learning activity in which fellows demonstrate competence in communicating effectively with patients and families across a broad range of socioeconomic and cultural backgrounds, and with physicians, other health professionals, and health-related agencies.

Anesthesia assessment ambulance: During the preanesthetic visit the fellow learns to communicate effectively with patients and families.

2. Briefly describe one learning activity in which fellows demonstrate their skills and habits to work effectively as members or leaders of a health care team or other professional group. In the example, identify the members of the team, responsibilities of the team members, and how team members communicate to accomplish responsibilities.

The heart and diabetes center bad Oeynhausen works with PDMS system. Therefore, all relevant clinical data about the patient as well as important standard operating procedures and literature are available to use e-learning

3. Briefly describe how fellows will be provided with opportunities to act in a consultative role to other physicians and health professionals related to clinical information systems.

The fellow is a full integrated member of a multidisciplinary team. The fellow participate in daily clinical conferences, discussing preanesthesia visit information and strategy planning.

4. Briefly describe how fellows will be provided with opportunities to maintain comprehensive, timely, and legible medical records, if applicable

The fellow has full access to all medical records. Therefore, he will improve his theoretical-learning.

5. Briefly describe how fellows will maintain a comprehensive anesthesia record for each patient, including evidence of pre- and post-operative anesthesia assessment, an ongoing reflection of the drugs administered, the monitoring employed, the techniques used, the physiologic variations observed, the therapy provided as required, and the fluids administered.

Our institute has a PDMS system (COPRA) with all informations. In addition, the fellow has a electronic logbook for all cases with necessary data (anesthesia techniques, reflection of drugs administered, monitoring etc.).

6. Briefly describe how fellows will create and sustain a therapeutic relationship with patients, engage in active listening, provide information using appropriate language, ask clear questions, provide an opportunity for comments and questions, and demonstrate sensitivity and responsiveness to cultural differences, including awareness of their own and their patients' cultural perspectives.

The fellow is totally integrated in the multidisciplinary team. The fellow is supervised by an experienced instructor every day of our institute of anesthesiology.

#### 13. Professionalism

Briefly describe the learning activity(ies), other than lecture, by which fellows demonstrate a commitment to carrying out professional responsibilities and an adherence to ethical principles, including: compassion, integrity, and respect for others; responsiveness to patient needs that supersedes self-interest; respect for patient privacy and autonomy; accountability to patients, society, and the profession; and sensitivity and responsiveness to a diverse patient population, including to diversity in gender, age, culture, race, religion, disabilities, and sexual orientation

Prior entering the program the fellow has to proceed an interview with the instructors of the PCA program. It is important to notice, that self-motivation, team spirit, integrity and passion for anesthesia in high risk patients together with high motivation for self-study of the theoretical part of this program is mandatory for entrance in the program.

#### 14. Systems-based Practice

1. Describe the learning activity(ies) through which fellows achieve competence in the elements of systems-based practice: working effectively in various health care delivery settings and systems, coordinating patient care within the health care system; incorporating considerations of cost-containment and risk-benefit analysis in patient care; advocating for quality patient care and optimal patient care systems; and working in inter-professional teams to enhance patient safety and care quality

Fellow has to prepare a journal club on different aspects of patient safety and critical incidence reporting (CIRS) in pediatric anesthesia (Quality management)

2. Describe an activity that fulfills the requirement for experiential learning in identifying system errors and implementing potential systems solutions.

see above

#### 15. EACTAIC Site Visit (for 1-day)

Dates proposed for the visit (at least 3)

15/03/2022

or

00/00/2022

or 00/00/2022

I hereby accept the regulations of the Hospital Visiting especially to take in charge the travel costs and the hotel accommodation of the 2 reviewers on the most reasonable base

Yes

To be completed by the Head of department or the authorised deputy.

Please fill in all required fields and send to eactaic@aimgroup.eu

Herz- und Diabeteszentrum NRW · Georgstr. 11 · 32545 Bad Oeynhausen  
www.hdz-nrw.de

Mohamed R. El Tahan, MD  
Professor of Cardiothoracic Anaesthesia  
& Surgical Intensive Care  
Mansoura University, Mansoura, Egypt  
European Association of Cardio-Thoracic Anaesthesiology  
(EACTA) Education Chair

**Institut für Anästhesiologie**  
Direktorin:  
Univ.-Prof. Dr. med. Vera von Dossow

Postfach 10 03 61  
32503 Bad Oeynhausen

Georgstr. 11  
32545 Bad Oeynhausen

Telefon: +49(0)5731 / 97-1128  
Telefax: +49(0)5731 / 97-2196  
E-Mail: anaesthesiologie@hdz-nrw.de  
Internet: www.hdz-nrw.de

Datum: 07.02.2022  
Sekretariat: apoewe  
Durchwahl: 97-1128  
Telefax: 97-2196

### Application for accreditation EACTAIC Pediatric Cardiac Anesthesia Fellowship Program

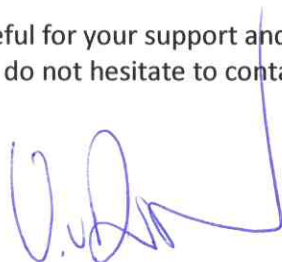
Dear Prof. El Tahan,  
we hereby kindly apply for hosting EACTAIC Pediatric Cardiac Anesthesia Fellowship Program at our Institute of Anesthesiology and Pain Therapy at Heart and Diabetescenter Bad Oeynhausen NRW, Ruhr University Bochum.

We therefore kindly apply for one **available position for the Pediatric Cardiac anesthesia per year**. As program directors we hereby state, that our faculty has enough capacity to cover the teaching and educational instructor skills for the applied fellowship position.


As authorized person of the host center I hereby confirm that we have at least 10 % of our worktime (in my case > 80 hours/week, Andreas 50 hours /week) time for the fellow as requested. In addition, the fellows are supervised 1:1 not only in the OR, but in preoperative evaluation discussion /conferences etc., mostly by Andreas Koster. This means that the fellow is more than 10 % of the required weekly work-shift trained by the program directors.

We are very grateful for your support and we look forward to hearing from you. If you have further questions, please do not hesitate to contact us.

Yours sincerely



Univ.-Prof. Dr. med. Vera von Dossow  
Director of the Institute of Anesthesiology



Prof. Dr. med. Andreas Koster  
Senior consultant/Leader  
pediatric cardiac anesthesia



## European Association of Cardiothoracic Anaesthesiology and Intensive Care

### Checklist for Hosting EACTAIC Paediatric Cardiothoracic Anaesthesia Fellowship Programme

**Institution Name** Institute of Anesthesiology and Pain Therapy, Heart and Diabetescenter Bad Oeynhausen, Ruhr-University Bochum

**Address** Georgstrasse 11, 32545 Bad Oeynhausen, Germany

**Preferred Duration**  12 months

#### Type of fellowship training available:

- Clinical only
- Clinical / Basic Research
- Clinical / Clinical Research
- Basic Research only
- Clinical Research only

#### Financial Statement

**\*\* The financial sources policy should be declared by the host centre.**

**\*\* There should be a clear consensus between the host centre and the trainee about the financial statement before joining the programme.**

**An employment contract will be signed with the candidate**  Yes  No

**Accommodation options are provided**  Yes  No

**Transportation/travel options are provided**  Yes  No

**Monthly Salary:** Amount  Currency

The centre does not fund this opportunity  Yes  No

#### Source of financial support for the candidate:

- Host centre (monthly salary)
- Candidate 's centre
- Scholarship
- Educational grant
- Award
- Candidate's expenses
- Others

Please, describe

Monthly salary depends on C1 Language level as well as German Work Permission and Approbation, otherwise only observership is possible

#### Programme Training and facilities of the host centre

|   |   |
|---|---|
| <b>1.</b> The fellow should be authorized to provide direct patient care during their training programme under the supervision of the programme director and faculty's members, "i.e. hands-on practice." | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| <b>2.</b> Declaration of financial recourses and signed agreement between the host centre and trainee.  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| <b>3.</b> Uninterrupted training for 12months.  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| <b>4.</b> The head of the department or other advisory authority should approve the programme.  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| <b>5.</b> The programme director should attain sufficient time to do his responsibilities.  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |



## European Association of Cardiothoracic Anaesthesiology and Intensive Care

|  |  |
|--|--|
| If yes, please define  |  |
| <input type="text" value="1"/>   | hours per day  |
| <input type="text" value="1"/>   | days per week  |
| <input type="text" value="4"/>   | days per month   |
| <b>6.</b> At least two faculty members should be involved.   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No            |
| <b>7.</b> Evaluation should be done every four months.   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No            |
| <b>8.</b> A portfolio/logbook will be performed monthly and signed by the programme director   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No            |
| <b>9.</b> The hosting centres should have:   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No            |
| <b>9.1</b> Available pediatric ward beds for congenital heart disease (CHD) patients.  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No            |
| <b>9.2</b> Available PICU beds dedicated to CHD patients   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No            |
| <b>9.3</b> Is there an emergency department in which CHD patients are managed 24 hours a day?  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No            |
| <b>9.4</b> Are adult patients with CHD managed in the host centre?   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No            |
| <b>9.5</b> Is there monitoring and advanced life support equipment representative of current levels of technology?                       | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No            |
| <b>9.6</b> Available an outpatient Clinic for perioperative evaluation of patients undergoing cardiothoracic and vascular procedures     | <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| <b>9.7</b> 24-hours acute pain service available for paediatric patients undergoing different procedures                                 | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No            |
| <b>9.8</b> Available Meeting Rooms   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No            |
| <b>9.9</b> Available classrooms with visual and other educational aids   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No            |
| <b>9.10</b> Available study areas for fellows  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No            |
| <b>9.11</b> The volume of cases. *   |  |
| <b>9.5.1</b> Minimum of 100 paediatric cardiac surgery (age of 16 years or younger) per calendar year. (the majority with using the CPB) | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No            |
| <b>9.5.2</b> Minimum of 50 pediatric cardiac interventional procedures (age of 16 years or younger) per calendar year.                   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No            |
| <b>9.5.3</b> 50% of cases should be performed in children aged younger than four years.  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No            |
| <b>9.5.4</b> 20% should be performed in children aged younger than one month.  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No            |
| <b>9.5.5</b> Available simultaneous management of adults with congenital heart disease (ACHD).   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No            |
| <b>9.5.6</b> Accessibility for training in the electrophysiology procedures on paediatric patients.                                      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No            |
| <b>9.5.7</b> Accessibility for training in the dedicated paediatric intensive care unit for one month.                                   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No            |
| <b>9.5.8</b> Accessibility for training on the Extracorporeal perfusion or ECLS technology (CPB, ECMO)                                   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No            |
| <b>9.5.9</b> Accessibility for training on the paediatric thoracic anaesthesia   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No            |
| <b>9.5.10</b> Accessibility for training on the basic and/or clinical research   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No            |

**Decision**  Approve  Reject  
**Conditions**  Yes  No

If yes, please define

Click here to enter text.

**Submit**

Please fill in all required fields and send them to [eactaic@mci-group.com](mailto:eactaic@mci-group.com)

**Pediatric Cardiac Anesthesia Fellowship Program, Institute of Anesthesia and Pain Therapy, Heart and Diabetescenter Bad Oeynhausen, Ruhr-University Bochum, Germany**

| Operation Area | Monday                   | Tuesday       | Wednesday               | Thursday      | Friday                  |
|----------------|--------------------------|---------------|-------------------------|---------------|-------------------------|
| OR1 (7-20:00)  | Ped Card Surg            | Ped card Surg | Ped Card Surg           | Ped Card Surg | Ped Card Surg           |
| Cath Lab       | Diagnostic /Intervention |               | Diagnostic/Intervention |               | Diagnostic/Intervention |
| MRI            |                          |               |                         | Diagnostic    |                         |

This is our weekly schedule program at Heart and Diabetescenter Bad Oeynhausen for pediatric cardiac anesthesia

Each day our institute provides anesthesia for one cardiac surgery operating room from 7:00 am until 8:00 pm; Three days /week our institute provides anesthesia for cardiac diagnostic and interventional procedures. One day per week MRI diagnostic.

We have the agreement with Prof Schubert, director of the pediatric cardiology department for a one-month PICU rotation. Furthermore, our fellows learn the concept of our ultra-fast track concepts with early extubation in the OR.