**New Application: Pediatric Anesthesiology**

**Review Committee for Anesthesiology**

**ACGME**

**Oversight**

**Resources**

1. Does the program have the following Intensive Care Units available? [PR 1.8.a.1.]

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Yes** | **No** | **Number of Beds** |
| Neonatal |[ ] [ ]  # |
| Pediatric |[ ] [ ]  # |
| Medical |[ ] [ ]  # |
| Surgical |[ ] [ ]  # |
| Cardiovascular |[ ] [ ]  # |

2. Briefly describe how the program provides consultations for pediatric patients in the Emergency Room. [PR 1.8.a.2.](Limit response to 250 words)

|  |
| --- |
| Click or tap here to enter text. |

3. Total pediatric beds [ # ]

4. Total pediatric operating rooms [PR 1.8.a.3.] [ # ]

5. Number of ECMO cases per year [ # ]

6. Is there a separate post-anesthesia care unit for pediatric patients? [PR 1.8.a.4.] [ ]  YES [ ]  NO

If no, how are these patients cared for post-operatively?

|  |
| --- |
| Click or tap here to enter text. |

7. Are there monitoring and advanced life support equipment representative of current levels of technology? [PR 1.8.a.5.] [ ]  YES [ ]  NO

8. Will clinical services that provide prompt laboratory results pertinent to the care of pediatric patients be available, including: [PR 1.8.a.6.]

1. blood chemistries [ ]  YES [ ]  NO
2. blood gases and pH [ ]  YES [ ]  NO
3. oxygen saturation [ ]  YES [ ]  NO
4. hematocrit/hemoglobin [ ]  YES [ ]  NO
5. clotting function [ ]  YES [ ]  NO

9. Will fellows have prompt access to consultation with personnel from the following disciplines?
[PR 1.8.a.7.]

1. Cardiology [ ]  YES [ ]  NO
2. Critical care [ ]  YES [ ]  NO
3. Emergency medicine [ ]  YES [ ]  NO
4. Neonatology [ ]  YES [ ]  NO
5. Neurology [ ]  YES [ ]  NO
6. Pulmonology [ ]  YES [ ]  NO
7. Radiology [ ]  YES [ ]  NO
8. Surgical fields [ ]  YES [ ]  NO

10. Is there a clinical laboratory that provides prompt and readily available diagnostic and laboratory measurements pertinent to the care of pediatric patients? [PRs 1.8.a.6.; 4.4.b.]] [ ]  YES [ ]  NO

11. Clinical Pediatric Anesthesia Experience

Provide the data requested for each participating site listed in ADS.

|  |  |  |  |
| --- | --- | --- | --- |
| Inclusive Dates: | Click or tap to enter a date. | To: | Click or tap to enter a date. |

|  | **Site #1** | **Site #2** | **Site #3** | **Site #4** |
| --- | --- | --- | --- | --- |
| **Total** | **Peds** | **Total** | **Peds** | **Total** | **Peds** | **Total** | **Peds** |
| **Number of Anesthetics Administered Annually by:** |
| Residents and/or fellows | # | # | # | # | # | # | # | # |
| Attending staff | # | # | # | # | # | # | # | # |
| CRNAs | # | # | # | # | # | # | # | # |
| **Total** | # | # | # | # | # | # | # | # |
| **Anesthetizing Locations** |
| # of operating rooms | # | # | # | # | # | # | # | # |
| # used regularly and simultaneously | # | # | # | # | # | # | # | # |

Other Anesthetizing Areas (name and describe function)

|  |
| --- |
| Click or tap here to enter text. |

|  | **Total # for Reporting Year by Site** | **Estimated average # cases per fellow at end of year** |
| --- | --- | --- |
| **Site #1** | **Site #2** | **Site #3** | **Site #4** |
| **Type of Surgery** |
| Cardiac - with cardiopulmonary bypass | # | # | # | # | # |
| Cardiac - without cardiopulmonary bypass | # | # | # | # | # |
| Intra-thoracic - non-cardiac (intracavitary) | # | # | # | # | # |
| Intra-cranial - neuro (excluding shunts) | # | # | # | # | # |
| Intraabdominal (intracavitary; excluding inguinal hernia) | # | # | # | # | # |
| Solid organ transplant | # | # | # | # | # |
| Kidney | # | # | # | # | # |
| Heart | # | # | # | # | # |
| Liver | # | # | # | # | # |
| Lung | # | # | # | # | # |
| Major orthopaedic surgery (scoliosis, tumors) | # | # | # | # | # |
| Craniofacial surgery | # | # | # | # | # |
| Cleft lip palate | # | # | # | # | # |
| Airway surgery (excluding T&A) | # | # | # | # | # |
| Neonatal emergencies (neonates <1 month and prematures <45 weeks PCA) | # | # | # | # | # |
| TEF (tracheoesophageal fistula) | # | # | # | # | # |
| Gastroschisis and/or Omphalocele | # | # | # | # | # |
| Diaphragmatic hernia | # | # | # | # | # |
| Necrotizing enterocolitis and bowel obstruction | # | # | # | # | # |
| Other  | # | # | # | # | # |
| Other  | # | # | # | # | # |
| **Age of Patient** |
| Neonates < one month or prematures <45 weeks PCA | # | # | # | # | # |
| 1-11 months | # | # | # | # | # |
| 1-2 years | # | # | # | # | # |
| 3-11 years | # | # | # | # | # |
| 12-17 years | # | # | # | # | # |
| Greater than 18 years | # | # | # | # | # |
| **Total number of cases** | # | # | # | # | # |
| **Techniques for Anesthesia (not pain)** |
| General  | # | # | # | # | # |
| Epidural/caudal | # | # | # | # | # |
| Intrathecal | # | # | # | # | # |
| Peripheral nerve block | # | # | # | # | # |
| **Procedures** |
| Central venous cannulation | # | # | # | # | # |
| Arterial cannulation | # | # | # | # | # |
| Flexible fiberoptic intubation | # | # | # | # | # |
| **Pain Management Outside Operating Room** |
| Consultations | # | # | # | # | # |
| PCA | # | # | # | # | # |
| Peripheral nerve blocks | # | # | # | # | # |
| Central neuraxis blocks | # | # | # | # | # |

12. Clinical Program

1. Distribution of pediatric clinical cases for a recent 12-month period.

|  |  |  |  |
| --- | --- | --- | --- |
| Inclusive Dates: | Click or tap to enter a date. | To: | Click or tap to enter a date. |

| **Provide the number for all surgical services** | **Site #1** | **Site #2** | **Site #3** | **Site #4** |
| --- | --- | --- | --- | --- |
| General surgery | # | # | # | # |
| Cardiac surgery | # | # | # | # |
| Plastic surgery (includes craniofacial) | # | # | # | # |
| Orthopaedic surgery | # | # | # | # |
| Ophthalmology | # | # | # | # |
| Urologic surgery | # | # | # | # |
| Neurological surgery | # | # | # | # |
| Otolaryngology | # | # | # | # |
| Oral and dental surgery (excluding T&A) | # | # | # | # |
| Transplantation: | # | # | # | # |
| Kidney | # | # | # | # |
| Heart | # | # | # | # |
| Liver | # | # | # | # |
| Lung | # | # | # | # |
| Non-OR diagnostic and therapeutic procedures (MRI, CT scan, radiation therapy, cardiac catheterization, etc.) | # | # | # | # |

1. What percent of the total of the above cases are performed on an ambulatory basis? # %
2. What percent of the total of the above cases are performed on an emergency basis? # %

13. Clinical Curriculum

1. Describe the experience, faculty teaching, and supervision which will be provided in pre-operative assessment, intra-operative, and post-operative management of children scheduled for surgery. [PR 4.4.b.1.-4.4.b.7.]

|  |
| --- |
| Click or tap here to enter text. |

1. Describe outside rotations that will be provided for the purpose of supplemental experience.[PR 4.11.a.1.]

|  |
| --- |
| Click or tap here to enter text. |

**Other Learners and Other Care Providers**

**Educational Program**

**ACGME Competencies**

**Patient Care and Procedural Skills**

1. Indicate the settings and activities in which fellows will demonstrate competence in evaluating and treating patients in each of the categories listed below. Also indicate the method(s) that will be used to assess competence.

| **Competency Area** | **Settings/Activities** | **Assessment Method(s)** |
| --- | --- | --- |
| Providing clinical consultation for both medical and surgical pediatric patients to include assessment of the appropriateness of a patient’s preparation for surgery[PR 4.4.a.] | Click or tap here to enter text. | Click or tap here to enter text. |
| Patient management and peri-operative care of neonates, infants, children, and adolescents, to include:[PR 4.4.b.] | Click or tap here to enter text. | Click or tap here to enter text. |
| Pre-operative assessment[PR 4.4.b.1.] | Click or tap here to enter text. | Click or tap here to enter text. |
| Pharmacologic support of the patient’s circulation[PR 4.4.b.2.] | Click or tap here to enter text. | Click or tap here to enter text. |
| Management of both normal peri-operative fluid therapy and massive fluid and/or blood loss[PR 4.4.b.3.] | Click or tap here to enter text. | Click or tap here to enter text. |
| Interpretation of laboratory results[PR 4.4.b.4.] | Click or tap here to enter text. | Click or tap here to enter text. |
| Post-anesthetic assessment and management of routine and medically challenging pediatric patients[PR 4.4.b.5.] | Click or tap here to enter text. | Click or tap here to enter text. |
| Recognition, prevention, and treatment of pain in medical and surgical pediatric patients[PR 4.4.b.6.] | Click or tap here to enter text. | Click or tap here to enter text. |
| Recognition and treatment of peri-operative vital organ dysfunction, including the post-anesthesia care unit[PR 4.4.b.7.] | Click or tap here to enter text. | Click or tap here to enter text. |
| Diagnosis and peri-operative management of congenital and acquired disorders[PR 4.4.b.8.] | Click or tap here to enter text. | Click or tap here to enter text. |
| Participation in the care of critically ill pediatric patients in an neonatal and/or pediatric intensive care unit[PR 4.4.b.9.] | Click or tap here to enter text. | Click or tap here to enter text. |

1. Indicate the settings and activities in which fellows will develop competence in performing all medical, diagnostic, and surgical procedures considered essential for practice in pediatric anesthesiology. Also indicate the method(s) that will be used to assess competence.

| **Competency Area** | **Settings/Activities** | **Assessment Method(s)** |
| --- | --- | --- |
| Managing pediatric patients requiring general anesthesia for elective and emergent surgery for a wide variety of surgical conditions, including neonatal surgical emergencies, cardiopulmonary bypass, and congenital disorders, to include:[PR 4.5.a.] | Click or tap here to enter text. | Click or tap here to enter text. |
| Techniques for administering regional anesthesia for inpatient and ambulatory surgery[PR 4.5.a.1.] | Click or tap here to enter text. | Click or tap here to enter text. |
| Sedation or anesthesia outside the operating rooms, including those for patients undergoing procedures[PR 4.5.a.2.] | Click or tap here to enter text. | Click or tap here to enter text. |
| Cardiopulmonary resuscitation (CPR) and advanced life support[PR 4.5.a.3.] | Click or tap here to enter text. | Click or tap here to enter text. |
| Management of normal and abnormal airways[PR 4.5.a.4.] | Click or tap here to enter text. | Click or tap here to enter text. |
| Mechanical ventilation[PR 4.5.a.5.] | Click or tap here to enter text. | Click or tap here to enter text. |
| Temperature regulation[PR 4.5.a.6.] | Click or tap here to enter text. | Click or tap here to enter text. |
| Placement of venous and arterial catheters[PR 4.5.a.7.] | Click or tap here to enter text. | Click or tap here to enter text. |

1. Pediatric advanced life support: Are all fellows certified in advanced life support skills in pediatrics? [PR IV.B.1.b).(2).(b)] [ ]  YES [ ]  NO

**Medical Knowledge**

Indicate the activity(ies) (lectures, conferences, journal clubs, clinical teaching rounds, etc.) in which residents will demonstrate knowledge in each of the following areas. Also indicate the method(s) that will be used to assess competence.

| **Area of Knowledge** | **Settings/Activities** | **Assessment Method(s)** |
| --- | --- | --- |
| Neonatal physiology and pharmacology[PR 4.6.a.] | Click or tap here to enter text. | Click or tap here to enter text. |
| Effects of anesthetics on the developing brain[PR 4.6.b.] | Click or tap here to enter text. | Click or tap here to enter text. |
| Pharmacokinetics and pharmacodynamics, and mechanisms of drug delivery[PR 4.6.c.] | Click or tap here to enter text. | Click or tap here to enter text. |
| Cardiovascular, respiratory, renal, hepatic, and central nervous system physiology, pathophysiology, and therapy[PR 4.6.d.] | Click or tap here to enter text. | Click or tap here to enter text. |
| Metabolic and endocrine effects of surgery and critical illness[PR 4.6.e.] | Click or tap here to enter text. | Click or tap here to enter text. |
| Infectious disease pathophysiology and therapy[PR 4.6.f.] | Click or tap here to enter text. | Click or tap here to enter text. |
| Bleeding and coagulation abnormalities and therapy[PR 4.6.g.] | Click or tap here to enter text. | Click or tap here to enter text. |
| Normal and abnormal physical and psychological development[PR 4.6.h.] | Click or tap here to enter text. | Click or tap here to enter text. |
| Trauma, including burn management[PR 4.6.i.] | Click or tap here to enter text. | Click or tap here to enter text. |
| Congenital anomalies and developmental delay[PR 4.6.j.] | Click or tap here to enter text. | Click or tap here to enter text. |
| Medical and surgical problems common in children[PR 4.6.k.] | Click or tap here to enter text. | Click or tap here to enter text. |
| Use and toxicity of local and general anesthetic agents[PR 4.6.l.] | Click or tap here to enter text. | Click or tap here to enter text. |
| Airway problems common in children[PR 4.6.m.] | Click or tap here to enter text. | Click or tap here to enter text. |
| Pain management in pediatric patients of all ages[PR 4.6.n.] | Click or tap here to enter text. | Click or tap here to enter text. |
| Ethical and legal aspects of care[PR 4.6.o.] | Click or tap here to enter text. | Click or tap here to enter text. |
| Transport of critically ill patients[PR 4.6.p.] | Click or tap here to enter text. | Click or tap here to enter text. |
| Organ transplantation in children[PR 4.6.q.] | Click or tap here to enter text. | Click or tap here to enter text. |
| Ultrasound-guided peripheral and central vascular access[PR 4.6.r.] | Click or tap here to enter text. | Click or tap here to enter text. |

**Practice-based Learning and Improvement**

1. Briefly describe one planned quality improvement activity or project that will allow fellows to develop skills and habits to investigate and evaluate their care of patients, to appraise and assimilate scientific evidence, and to continuously improve patient care based on self-evaluation and lifelong learning. Describe planning, implementation, evaluation, and provisions of faculty member support and supervision that will guide this process. [PR 4.7.] (Limit response to 400 words)

|  |
| --- |
| Click or tap here to enter text. |

**Interpersonal and Communication Skills**

1. Briefly describe one learning activity in which fellows develop interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and health professionals. [PR 4.8.](Limit response to 400 words)

|  |
| --- |
| Click or tap here to enter text. |

**Systems-based Practice**

1. Describe the learning activity(ies) through which fellows demonstrate an awareness of and responsiveness to the larger context and system of health care, including the structural and social determinants of health, as well as the ability to call effectively on other resources in the system to provide optimal health care. [PR 4.9.] (Limit response to 400 words)

|  |
| --- |
| Click or tap here to enter text. |

1. Briefly describe one learning activity in which fellows will function as part of an effective interprofessional team that works together longitudinally with shared goals of patient safety and quality improvement. [PR 4.10.a.](Limit response to 400 words)

|  |
| --- |
| Click or tap here to enter text. |

**Scholarship**

1. Describe and list fellows’ research opportunities and ongoing projects. [PR 4.15.c.]

|  |
| --- |
| Click or tap here to enter text. |

2. What provisions will be made for fellows to attend local, regional, and national meetings?
[PR 4.15.a.]

|  |
| --- |
| Click or tap here to enter text. |