


**Updates from the Subspecialties:
 Pediatric Cardiac
 Anesthesiology**

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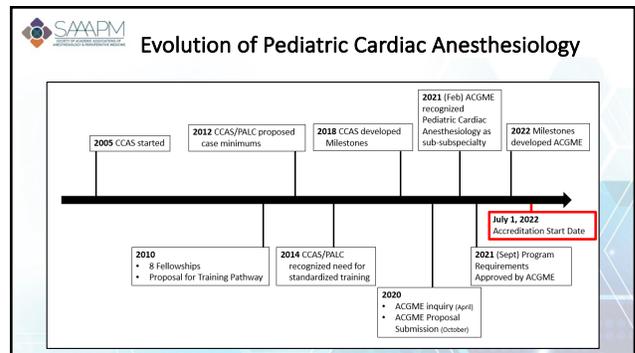
- No financial disclosures

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Learning Objectives

- Development of Pediatric Anesthesiology as an ACGME subspecialty
- Fellowship Eligibility
- Clinical Experience
- PALC/CCAS Task Force to address national shortage of Pediatric Cardiac Anesthesiologists

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Pediatric Cardiac Anesthesiology Program Requirements and Milestones Working Group

Santhanam Suresh, MD	Working Group Chair
Adilee Ambardekar, MD, MSEd	Review Committee Chair
Nina Deutsch, MD	Subject Matter Expert
Laura Edgar, EdD, CAE*	ACGME Vice President, Milestones Development
Stephanie Grant, MD*	Subject Matter Expert
Cheryl Gross, MA, CAE**	ACGME Executive Director
Review Committee for Anesthesiology	
Thomas McLoughlin, MD	Review Committee Member
Viviane Nasr, MD MPH	Subject Matter Expert
Mark Stafford-Smith, MD	Review Committee Member

*Participated in Milestones Development only
**Participated in Program Requirement Development only

Nasr VG, et al. Anesth Analg. 2022

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Pediatric Cardiac Anesthesiology Fellowships

23 non-ACGME Fellowships

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6 ACGME Fellowships
 • Accreditation Start Date: 7/1/22

Program Code / Name	Program Director
[0470704001] University of Colorado School of Medicine Program	Megan Albertz, MD
[0471204001] Emory University School of Medicine Program	Stephanie N. Grant, MD
[0471804001] McGraw Medical Center of Northwestern University Program	Eric L. Vu, MD, MSG
[0471704001] Indiana University School of Medicine Program	Rana K. Abbasi, MD
[0473804001] Cincinnati Children's Hospital Medical Center Program	Jennifer Lam, DO
[0474804001] Baylor College of Medicine Program	Pranil M. Trivedi, MD

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Fellow Eligibility Criteria

III.A.1.b) Prior to appointment in the program, fellows must have successfully completed a residency program in anesthesiology that satisfies the requirements in III.A.1., and: ^(Core)

III.A.1.b).(1) a fellowship program in pediatric anesthesiology that satisfies the requirements in III.A.1., or, ^(Core)

III.A.1.b).(2) a fellowship in adult cardiothoracic anesthesiology that satisfies the requirements in III.A.1., ^(Core)

III.A.1.b).(2).(a) Fellows entering from adult cardiothoracic anesthesiology should have taken a minimum of one month of pediatric anesthesiology during the adult cardiothoracic anesthesiology fellowship. ^(Core)

ACGME Program Requirements for Graduate Medical Education in Pediatric Cardiac Anesthesiology, 2021

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Curriculum Organization and Fellow Experiences

Block	1	2	3	4	5	6	7	8	9	10	11	12
Site	Site 1	Site 1	Site 1	Site 1	Site 1	Site 1	Site 1	Site 1	Site 1	Site 1	Site 1	Site 1
Rotation Name	Clinical Anesthesia ¹									ICU	Elective ²	Elective

Notes
 1 - Clinical Anesthesia - includes intraoperative management of patients with congenital heart disease in the operating room, catheterization and electrophysiology lab, and diagnostic imaging sites
 2 - Elective rotations include Echocardiography (2 weeks), Perfusion (2 weeks), Echocardiography Bootcamp (2 weeks), and Research (2-4 weeks)

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Case Requirements

	Minimum number
CPB cases	100 (≥ 50 Fellow as Primary Anesthesia Provider)
HLHS procedures	3
Other Neonatal Procedures	3
TGA procedures (Arterial Switch)	3
Repair of CAVC, TOF, VSD, ASD	20
Glenn	5
Fontan	4
Valvular lesion procedures	20
Palliative Shunt	1
Aortic coarctation - off bypass	3
PDA repair (surgical or Cath lab)	3
Vascular Ring	2
Heart Transplant or VAD	1
Cath Lab - Diagnostic	20
Cath Lab - Interventional	25
EP Procedures	10
Medical Imaging	10
Central Venous Line	30
Arterial Line	30

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National Shortage of Pediatric Cardiac Anesthesiologists

PALC/CCAS Pediatric Cardiac Anesthesia Task Force

Developed with Goal to:

1. Increase the number of Pediatric Cardiac Anesthesiologists
2. Increase the number of Expert Pediatric Anesthesiologists in Moderate/Severe Congenital Heart Disease

PALC = Pediatric Anesthesia Leadership Council
 CCAS = Congenital Cardiac Anesthesia Society

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National Shortage of Pediatric Cardiac Anesthesiologists

PALC/CCAS Pediatric Cardiac Anesthesia Task Force

Subgroups

- Education
- Workforce
- Working Conditions
- Career Advancement
- Compensation

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Surveys to Key Groups

- Division Leaders of Pediatric Cardiac Anesthesiology Divisions
- Program Directors of Pediatric Cardiac Anesthesiology Fellowships
- Graduates of Pediatric Cardiac Anesthesiology Fellowships in last 10 years
- CCAS members/Pediatric Cardiac Anesthesiologists
- 2022 Fellow Graduates of Pediatric Anesthesiology, PAPDA Survey Inclusion of Questions

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Program Directors Survey - Taskforce

Preliminary Results

1. Are you interested in the development of a standardized curriculum with centralized lectures available to cover core topics in pediatric cardiac anesthesiology for your fellows?

	#/14	%
Yes	11	79
No	1	7
Maybe	2	14
2. Are you interested in the development of a standardized evaluation tool?

	#/11	%
Daily Evaluation of Fellow	5	45.5
Rotational Evaluation of Fellow	9	82
Fellow Evaluation of Faculty	9	82
Fellow Evaluation of Rotation	9	82
Fellow Evaluation of Program	11	100
Faculty Evaluation of Program	9	82
Not interested	3 (out of 14)	21

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Pediatric Cardiac Anesthesiology Program Directors' Group

- Committee supported by the Congenital Cardiac Anesthesia Society (CCAS)
- Program Directors of Pediatric Cardiac Anesthesiology Fellowships

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Evolution of Accredited Pediatric Cardiac Anesthesiology Fellowship Training in the United States: A step in the right direction

Viviane G. Nasr, MD MPH¹; Aditee Ambardekar, MD, MScEd²; Stephanie Grant, MD³; Laura Edgar, EdD, CAE⁴; Cheryl Gross, MA, CAE⁵; Thomas McLaughlin, MD⁶; Mark Stafford-Smith, MD⁷; Santhanam Suresh, MD⁸; Nina Deutsch, MD⁹

ANESTHESIA & ANALGESIA

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Thank you!

Please contact me with any questions.

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