



Pediatric Critical Care Medicine
 Children's Hospital of San Antonio
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CURRICULUM VITAE

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Date Prepared: June 2021

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Place of Birth: Monterrey, Mexico

Education

1998	Bachelor of Science	Instituto Tecnológico y de Estudios Superiores de Monterrey
2006	Doctor of Medicine	Universidad de Monterrey

Postdoctoral Training

07/07-06/08	Intern	Pediatrics	Children's Hospital Boston, Boston Medical Center
07/08-06/10	Resident	Pediatrics	Children's Hospital Boston, Boston Medical Center
07/10-06/13	Fellow	Pediatric Critical Care	Children's Hospital Boston
07/13-07/14	ECMO Fellowship	Pediatric Intensive Care	Children's Hospital Boston

Faculty Academic Appointments

2007-2010	Clinical Fellow	Pediatrics	Harvard Medical School
2007-2010	Teaching Fellow	Pediatrics	Boston University School of Medicine
2010-2014	Clinical Fellow	Pediatrics	Harvard Medical School
2014-2017	Assistant Professor	Pediatrics	University of Colorado Medical School
2017-Present	Assistant Professor	Pediatrics	Baylor College of Medicine

Appointments at Hospitals/Affiliated Institutions

07/07-06/08	Intern	Department of Medicine	Children's Hospital Boston
07/07-06/08	Intern	Department of Pediatrics	Boston Medical Center
07/08-06/10	Resident	Department of Medicine	Children's Hospital Boston
07/08-06/10	Resident	Department of Pediatrics	Boston Medical Center
07/10-06/13	Critical Care Fellow	Department of Anesthesia	Children's Hospital Boston
07/13-06/14	ECMO Fellow	Department of Anesthesia	Children's Hospital Boston
07/13-06/14	Critical Care Staff	Department of Pediatrics	Boston Medical Center
07/14-10/17	Critical Care Staff	Department of Pediatrics	Denver Health Medical Center
08/15-10/17	Pediatric Hospitalist	Department of Pediatrics	Vail Valley Medical Center
11/17-	Critical Care Staff	Department of Pediatrics	Children's Hospital of San Antonio
11/17-	Director ECMO Program	Department of Pediatrics	Children's Hospital of San Antonio
11/18-	Medical Director CICU	Department of Pediatrics	Children's Hospital of San Antonio
04/19-04/20	Pediatric Intensivist	Department of Pediatrics	Dell Children's Medical Center
11/20-	Pediatric Intensivist	Department of Pediatrics	Valley Baptist Medical Center

Other Professional Positions

2012-2014	Pediatric Critical Care Transport Team	Children's Hospital Boston
2017-	Medical Director Pediatric ECMO Program	Children's Hospital of San Antonio
2018-	Medical Director Cardiovascular ICU	Children's Hospital of San Antonio

Committee Service

2009	BCRP Intern Orientation	Boston Combined Residency Program
2011-2014	Fellowship Committee	Critical Care Division, Children's Hospital Boston
7/2014-10/17	Pediatric Trauma Committee	Department of Pediatrics, Denver Health and Hospital Authority
9/2014-10/17	Ebola Preparedness Committee	Department of Pediatrics, Denver Health and Hospital Authority
09/2014- 10/17	Brain Death Policy Development	Department of Pediatrics, Denver Health and Hospital Authority
05/2016- 10/17	Simulation Program Leadership	Department of Pediatrics, Denver Health and Hospital Authority
09/2016	Ethics Committee	Department of Pediatrics, Denver Health and



10/2018-	Residency Selection Committee	Hospital Authority Children's Hospital of San Antonio
12/2018-	Peer Review Professional Committee	Children's Hospital of San Antonio
12/2018-	Residency Clinical Competency Committee	Children's Hospital of San Antonio
12/2018-	Current Concepts Committee	Society of Critical Care Medicine
08/2020-	Physician Advisory Council	Children's Hospital of San Antonio

Professional Societies

2007- present	American Academy of Pediatrics	Member
2007- present	American Medical Association	Member
2007-2015	Massachusetts Medical Society	Member
2010- present	Society of Critical Care Medicine	Member
2014- present	International Pediatric Simulation Society	Member
2015-present	American Thoracic Society	Member

Editorial Activities

2013	Open Pediatrics Respiratory Chapter (Online)	Peer Reviewer
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Honors and Prizes

2010	Residency Teaching Award	Children's Hospital Boston/ Harvard Medical School	Excellence in Teaching
2011	Farley Fellowship Award	Children's Hospital Boston/ Harvard Medical School	Academic Excellence/Clinical Achievement
2012	Fellows Teaching Award	Children's Hospital Boston/ Harvard Medical School	Excellence in Teaching
2015	Gary Way Award	Department of Pediatrics/ University of Colorado	Excellence in Teaching
2015	Denver Health Medical Center Department of Pediatrics Employee of the Year	Denver Health Medical Center	Clinical Excellence
2017	Denver Health Days of Celebration 3rd place	Denver Health Medical Center	Quality Improvement Research

2019	Outstanding Professionalism Award	Children's Hospital of San Antonio	Outstanding Professionalism
2020	SCCM Presidential Citation Award	Society of Critical Care Medicine	Outstanding Contribution
2020	Oz Award for Excellence in patient care	Children's Hospital of San Antonio	Excellence in patient care

[Report of Research Activities](#)

2012-2014	Principal Investigator / Mechanical Ventilation During Transport of Critically Ill children Children's Hospital Boston, Division of Critical Care
2013	Investigator / Clinical & radiological findings in patients on ECMO who had a stroke Children's Hospital Boston, Division of Critical Care
2014	Principal Investigator / Neurological outcomes in patients undergoing ECPR Children's Hospital Boston, Division of Critical Care
2015-2018	Principal Investigator / Bronchiolitis HFNC weaning algorithm, Length of stay analysis
2018-2019	Principal Investigator/ ECMO insensible losses and decreasing incidence of AKI
2017-	Investigator/ Effects of ECMO on iron storage
2017-	Investigator/ Tissue Iron Deposition in Extracorporeal life support
2021-	Investigator/ ECMO Bleeding and anticoagulation monitoring
2022-	Principal Investigator/ Incidence of infection and cost analysis post implementation of antibiotic guidelines post cardiothoracic surgery

[Report of Teaching Activities](#)

[Teaching of Students in Courses](#)

2012-2014	Pediatric Clerkship Simulation Course, Facilitator Third Year Medical Students	Harvard Medical School 20 hours/year for one year
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[Formal Teaching of Residents, Clinical Fellows and Research Fellows \(post-docs\)](#)



2010-2014 **Hands-on Curriculum and Mock Codes** Children's Hospital Boston
 Second year pediatric residents Bi-weekly, 1 hour sessions

Formal Curriculum Responsibilities

2013-Present **Residency Education Curriculum, Course Director** Department of Pediatrics, DH Medical Center
 Residents, PA and Medical students Bi-weekly, 1 hour sessions

Formal Teaching of Peers (e.g., CME and other continuing education courses)

2010-2014 **Morbidity and Mortality Conference** 2 presentations/month
 Division of Critical Care, Department of Anesthesia Children's Hospital Boston

2019-present SCCM: Fundamental of Pediatric Critical Care Course Instructor Children's Hospital of San Antonio

2017-present ECMO specialist course instructor Children's Hospital of San Antonio

2018-present Cardiac STABLE course instructor Children's Hospital of San Antonio

Local Invited Presentations

2010 **Pediatric Arrhythmias/ Grand Rounds Presentation**
 Department of Pediatrics, Boston Medical Center

2011 **Abdominal Compartment Syndrome/ Mini-Grand Rounds Presentation**
 Department of Medicine, Children's Hospital Boston

2012 **Management of Increased Intracranial Pressure/ Anesthesia Lecture Series**
 Department of Anesthesia, Children's Hospital Boston

2013 **Vector Borne Diseases/Encephalitis/ Education day Presentation**
 Department of Anesthesia, Children's Hospital Boston

2015 **Update on Pediatric Pain Management**
 Trauma Program, Denver Health and Hospital Authority, Winter Park, CO.

2016 **Schwartz Rounds: Coping with unexpected outcomes**
 Denver Health and Hospital Authority

2017 **Denver Health Research Day: Decreasing Bronchiolitis Hospital Length of Stay Using a High-Flow Nasal Cannula Weaning Protocol.**
 Denver Health and Hospital Authority

2020 **Children's Hospital of San Antonio. Pediatric Fundamentals of Critical Care, Course Instructor**

International Invited Presentations

2013 **Innovations in Medical Education, Open Pediatrics/ Key Note Conference**

	Mexican National Pediatric Society Annual Meeting
2016	International Pediatric Neurology Meeting/Speaker Hospital Infantil de México Federico Gómez
2017	International Pediatric Neurology Meeting/Speaker Hospital Infantil de México Federico Gómez
2022	World Pediatric Project, ECMO program/Speaker Guatemala City
2022	Latin America ECMO Summit/ Speaker Hospital Garrahan/ Buenos Aires, Argentina

Report of Clinical Activities

Current Licensure and Certification

2006	Passed USMLE Step 1 and 2
2007	Educational Commission for Foreign Medical Graduates
2007	Limited License for the Commonwealth of Massachusetts
2010	Passed USMLE Step 3
2013	Advanced Cardiac Life Support Program (ACLS) Provider
2016	Basic Life Support (BLS) for Healthcare Provider
2016	Pediatric Advanced Life Support Program (PALS) Provider
2016	Neonatal Resuscitation Program (NRP) Provider
2014	Board Certified in General Pediatrics
2016	Board Certified in Pediatric Critical Care
2017	Medical License for the State of Colorado
2017	Medical License for the State of Texas

Practice Activities

2010-2014	Pediatric Critical Care Fellow	Children's Hospital Boston	Monthly rotations managing a 29 bed medical-surgical ICU; a 29 bed pediatric cardiac ICU; and a 12 bed medical ICU
2012-2014	Critical Care Transport Team	Children's Hospital Boston	Transport (ground and air) Critically ill pediatric patients
2014-2017	Pediatric Critical Care Attending	Denver Health and Hospital Authority	Attending physician for a 10 bed Medical Surgical PICU.
2015-2017	Pediatric Hospitalist	Vail Valley Medical Center	Attending inpatient Pediatrician for VVMC.
2017-Present	Pediatric Critical Care Attending	Children's Hospital of San Antonio	Attending physician for a 40 bed Medical Surgical PICU.
2017-Present	Medical Director Pediatric ECMO	Children's Hospital of San Antonio	Medical Director of Pediatric ECMO Program

Program

2018- Present	Medical Director Pediatric Cardiovascular ICU Medical Director	Children’s Hospital of San Antonio	Medical Director of Pediatric ECMO Program
4/2019- 10/2019	Pediatric Critical Care Attending	Dell Children’s Medical Center	Attending physician for a 24 bed Medical Surgical PICU.

Report of Scholarship

Abstracts, Poster Presentations and Exhibits Presented at Professional Meetings

Charles W. Randall, M.D., Carlo M. Taboada, M.D., Rogelio Garcia, M.D. and Cesar Garza, M.D
Histology, Distribution and Incidence of Polyps in Average Risk Patients Undergoing Colorectal
Cancer Screening. *The American Journal of Gastroenterology*. 2005 Sep; 100(s9): 383.

Charles W. Randall, M.D., Carlo M. Taboada, M.D., Rogelio Garcia, M.D. and Cesar Garza, M.D
Colorectal Cancer Screening in Average-Risk Patients: A Comparison of Findings Based on
Ethnicity. *The American Journal of Gastroenterology*. 2005 Sep; 100(s9): 385.

LaRovere, K., Prabhu, S., Garcia-Jacques, R., Chao, J. and Tasker, R., 2015. 505: PATTERNS OF
CEREBRAL HEMORRHAGE AND INFARCTION COMPLICATING PEDIATRIC ECMO. *Critical care
medicine*, 43(12), p.128.

James Gaensbauer, MD, MScPH, Meghan Birkholz, MSPH, Michael Smit, MD, MSPH, Rogelio
Garcia-Jacques, MD, James Todd, MD, FIDSA; Importance of Toxic Shock Syndrome in
Pediatric Septic Shock Clinical Decision-Making. *Open Forum Infect Dis* 2016; 3 (suppl_1): 959.
doi: 10.1093/ofid/ofw194.99

Rogelio Garcia-Jacques, Mauricio Garcia Jacques, Carol Okada, Claudia Kunrath,
Nivedita Mohari⁴ James Gaensbauer. Decreasing Bronchiolitis Hospital Length of Stay
Using a High-Flow Nasal Cannula Weaning Protocol. *SCCM* 2018.

Rogelio Garcia-Jacques, Gerhard Wolf, Monica Kleinman, Stacey Valentine, Craig Smallwood. How Lung-Protective Are You? Manual Versus Mechanical Ventilation During Pediatric Transport. SCCM 2018

Rogelio Garcia-Jacques, Cody Henderson, Nicole Muller, Karen Weaver, Lauren Ryder. Decreasing incidence of AKI accounting for ECMO insensible losses. Keystone ECMO meeting 2019.

Rogelio Garcia-Jacques, Cody Henderson, Nicole Muller, Karen Weaver, Lauren Ryder, Elumalai Appachi. Insensible losses and Incidence of AKI in Pediatric ECMO. ELSO meeting 2019.

Rogelio Garcia-Jacques, Agustin Gutierrez Gomez, Karen Weaver, Lauren Ryder, Elumalai Appachi. Factors associated with AKI in children supported with ECMO. ELSO 2019.

Abhishek Patel, Nadia Cheek, Rogelio Garcia Jacques, Utpal Bhalala, Matei Peterescu Ryder, Elumalai Appachi. Frescue ECMO for Acute Multi organ failure in a patient newly diagnosed with ALL. ELSO meeting 2019.

Alejandra Pena Hernandez, Donald McCurnin, Cody Henderson, Karen Weaver, Zachary Webber, Rogelio Garcia, Nicholas Carr. Hemolysis Influence on iron dynamics during Pediatric ECLS. ELSO meeting 2019.

Zachary Webber, Alejandra Pena Hernandez, Ashley Sam, Cody Henderson, Lauren Ryder, Rogelio Garcia, Nicholas Carr. Evaluation of Solid organ Involvement in infant ECLS patients with elevated iron markers. ELSO meeting 2019

Rogelio Garcia-Jacques, Agustin Gutierrez Gomez, Karen Weaver, Lauren Ryder, Elumalai Appachi. Incidence of AKI in children supported with ECMO. SCCM 2020.

Rogelio Garcia-Jacques, Cody Henderson, Nicole Muller, Karen Weaver, Lauren Ryder. Contraindications, It's ALL relative: Rescue Veno-Arterial ECMO for Acute Multi-Organ Failure in a Patient with Acute Lymphoblastic Leukemia, Bacteremia and GI Hemorrhage. Keystone ECMO meeting 2020.

Rogelio Garcia-Jacques, Cody Henderson, Nicole Muller, Karen Weaver, Mohamed Salameh. ECPR rescue in a patient with pheochromocytoma presenting in cardiac arrest. Keystone ECMO meeting 2021.