

CURRICULUM VITAE
Ramzi Nicolas M.D

EDUCATION

- 1990-1994 Bachelor of Science in Biology with Distinction, American University of Beirut, Lebanon
- 1994-1998 Medical Degree, American University of Beirut, Lebanon

RESIDENCY

- 1998-2001 Pediatric Residency, State University of New York, Health Science Center at Syracuse, Syracuse, NY

FELLOWSHIPS

- 2001-2004 Pediatric Cardiology Fellowship, Washington University/St Louis Children's Hospital, St Louis, MO
- 2004-2005 Pediatric Interventional Cardiology Fellowship, Washington University/St Louis Children's Hospital, St Louis, MO

EMPLOYMENT

- 07/2012 - present Division Director of Pediatric Cardiology, Associate Professor in Pediatrics, Southern Illinois University School of Medicine
- 07/2005-present Medical Director of the Pediatric Echocardiography Laboratory, St John's Hospital, Springfield, Illinois
- 07/2005-present Medical Director of the Pediatric Echocardiography Laboratory, Memorial Medical Center, Springfield, Illinois
- 07/2014-present Adjunct Associate Professor in Pediatrics, Division of Pediatric Cardiology, Washington University School of Medicine
- 01/2015– present Associate Chair of Pediatric Specialty Services, Southern Illinois University School of Medicine
- 07/2005-07/2012 Division Director of Pediatric Cardiology, Assistant Professor in Pediatrics, Southern Illinois University School of Medicine
- 07/2005-12/2011 Adjunct Instructor in Pediatrics, Division of Pediatric Cardiology, Washington University School of Medicine
- 01/2012-07/2014 Adjunct Assistant Professor in Pediatrics, Division of Pediatric

Cardiology, Washington University School of Medicine

CERTIFICATION/LICENSURES

2004	Missouri	active
2005	Illinois	active

BOARD CERTIFICATION

2001	American Board of Pediatrics
2004	American Board of Pediatric Cardiology
2008	Recertification American Board of Pediatrics
2011	Recertification American Board of Pediatric Cardiology

ACADEMIC/HOSPITAL COMMITTEES

2008-present	St John's Children's Hospital Strategic Planning Committee
2008-present	Pediatric Advisory Group
2009-present	SIU Pediatric Residency Recruitment Committee
2009-present	SIU Pediatric Residency Promotion Committee
2009-present	Resident Clinical Competency
2009-present	Leadership Group Committee
2013-present	Children's Hospital Board Committee
2013-2014	Pediatric Chairmen Search Committee
2014-present	Department Comp Plan Committee
2015-present	Pediatric Promotion and Tenure Committee

PROFESSIONAL SOCIETIES

1998-present	American Academy of Pediatrics
2005-present	American College of Cardiology
2005-present	Illinois Chapter of the American Academy of Pediatrics
2005-present	Sangamon County Medical Society
2005-2009	American Heart Association
2009	Fellow at the American Academy of Pediatrics

GRANTS

2004	\$ 2,000 Grant from the Fraternal Order of the Eagles to partially fund research in Tissue Doppler Imaging of the heart. Research mentor Angela Sharkey, M.D.
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RESEARCH EXPERIENCE

- 1995 Epidemiological study, mentor Iman Nuwayhid, M.D., MPH: Noise Pollution at the Beirut International Airport. The study aimed at assessing the effects of noise pollution on the airport personnel and the residents of the surrounding areas. Results presented at the American University of Beirut public health awareness day
- 1998 Epidemiological study, mentor Iman Nuwayhid, M.D., MPH: Completion and Importance of Death Certificates in Lebanon. The study addressed the issue of whether the completed death certificates were detailed enough to be used for research purposes
- 2003-2005 Application of Tissue Doppler Imaging technique to the pediatric patients post correction of congenital heart defects (surgical or transcatheter), in an attempt to diagnosing diastolic dysfunction noninvasively. Research partially funded by the Fraternal order of the Eagles
- 2004-2005 Recurrence and factors associated with branch pulmonary artery stenosis post stent placement. Retrospective study that looked into the rate of neointimal hyperplasia and its associated risk factors post stenting of branch pulmonary arteries
- 2004 Post heart transplant coronary arteriopathy: Risk factors and rate of occurrence in the pediatric age group. Coronary disease evaluated by angiography and intravascular ultrasound
- 2007-present C3PO multicenter study investigating outcomes and complications after pediatric cardiac catheterizations

BIBLIOGRAPHY

Publications:

Early Outcome after Glenn and Fontan Palliation and the Impact of Surgery During Viral Respiratory Season: Analysis of a 19 Year Multi-Institutional Experience. **Ramzi Nicolas, MD**, Christine Hills, BA, James Moller, MD, Charles Huddleston, MD, Mark Johnson, MD. The Annals of Thoracic Surgery 2005;79:613-617

Surveillance for Transplant Coronary Artery Disease in Infant, Child and Adolescent Heart Transplant Receptients: An Intravascular Ultrasound Study. **Ramzi Nicolas, MD**, Henry Kort, MD, David Balzer, MD, Kathryn Trinkaus,

PhD, Cathrine Dent, MD, Russel Hirsch, MB, ChB, Charles Canter, MD. J Heart Lung Transplant 2006;25:921-7

Endovascular Stent Placement for Right Ventricle to Pulmonary Artery Conduit Stenosis in the Norwood with Sano Modification. Steve Muyskens, MD, **Ramzi Nicolas, MD**, Susan Foerster, MD, David Balzer, MD. Congenit Heart Dis. 2008; 3:185-190

Coronary Vasospasm in an Adolescent Resulting from Marijuana Use. Sangita Basnet, MD, Gurpreet Mander, MD, **Ramzi Nicolas, MD**. Pediatr Cardiol 2009; 10.1007/s00246-009-9384-7

Successful Subxyphoid Hybrid Approach for Placement of a Melody Percutaneous Pulmonary Valve. Kathleen Simpson, MD, **Ramzi Nicolas, MD**, Susan Foerster, MD, Charles Huddleston, MD, David Balzer, MD. Catheterization and Cardiovascular Interventions 2011; 78:108-111

Sedation and Anesthesia in Pediatric and Congenital Cardiac Catheterization: a Prospective Multicenter Experience. C. Huie Lin, MD Phd, Sanyukta Desai, MD, **Ramzi Nicolas, MD**, Kimberlee Gauvreau, Susan Foerster, MD, Anshuman Sharma, MD, Laurie Armsby, MD, Kirsten Odegard MD, James DiNardo MD, Julie Vincent, Howaida El-Said, James Spaeth, Bryan Goldstein, Ralf Holzer, David Balzer, MD, Lisa Bergersen, MD MPH. Catheterization and Cardiovascular Interventions, Pediatr Cardiol 6/2015 DOI 10.1007/s00246-015-1167-8.

Device Therapy for Atrial Septal Defects – a Multicenter Cohort: Acute Outcomes and Adverse Events. Howaida El-Said, Susan Foerster, MD, Raf Holzer, Lisa Bergersen, MD MPH, **Ramzi Nicolas, MD**, W. Hellenbrand, MD, J. Kreutzer, MD, SM. Trucco, MD, G. Burch, MD, A. Mirani, MD, D. Porras, MD, J. Moore, MD. Catheterization and Cardiovascular Interventions 02/2015; 85(2). DOI; 10.1002/ccd.25624

Percutaneous carotid artery access in infants < 3 months of age. Choudhry S, Balzer D, Murphy J, **Nicolas R**, Shahanavaz S. Catheter Cardiovasc Interv. 2016 Mar;87(4):757-61. doi: 10.1002/ccd.26310. Epub 2015 Dec 23.

Radiation Exposure by Three-Dimensional Rotational Angiography (3DRA) During Trans-catheter Melody Pulmonary Valve Procedures (TMPV) in a Pediatric Cardiac Catheterization Laboratory. 2016 Jul 25
Nguyen HH1,2, Balzer DT, Murphy JJ3,4, **Nicolas R**, Shahanavaz S

Books:

2012 Chapter 22: Transcatheter Closure of Patent Ductus Arteriosus, Coronary Fistulas, Pulmonary Vascular Malformations and Aorto-Pulmonary Collaterals, Lasala: Interventional Procedures for Adult Structural Heart Disease.

Abstracts:

2004 Myocardial Function in Pediatric Patients Pre and Post Atrial Septal Defect Closure: A Tissue Doppler Imaging Study. **Ramzi Nicolas, MD**, Ryan Coleman, Mark Johnson, MD, Angela Sharkey, MD. Data presented as a poster at the “Cardiology 2004” meeting in Orlando

2004 Myocardial Dysfunction Assessed by Tissue Doppler Imaging in Pediatric Patients Following Surgical Closure of Ventricular Septal Defect. Does It Correlate with Different Intraoperative and Postoperative Conditions? **Ramzi Nicolas, MD**, Ryan Coleman, Mark Johnson, MD, Angela Sharkey, MD. Data presented as a poster at the “Cardiology 2004” meeting in Orlando

2004 Recipient and Donor Age Affect the Development of Coronary Arteriopathy After Pediatric Cardiac Transplantation: An Intravascular Ultrasound Study . **Ramzi T Nicolas, MD**, Henry W Kort, MD, David T Balzer, MD, Kathryn Trinkaus, Washington University, Saint Louis, MO; Catherine L Dent, MD, Russel Hirsch, MD, University of Cincinnati, Cincinnati, OH; Charles E Canter, MD, Washington University, Saint Louis, MO. Abstract accepted for an oral presentation at the AHA meeting November, 2004.

2005 Tissue Plasminogen Activator and Heparin Protocol for Arterial Thrombolysis in Pediatric Patients Following Cardiac Catheterization. D. Byron Holt, MD, Susan Foerster, MD, **Ramzi T Nicolas, MD**, David T Balzer, MD. Abstract presented at the PICS-IX, 2005, Buenos Aires, Argentina.

2006 Myocardial Injury and Diastolic Dysfunction Following Repair of Tetralogy of Fallot in Pediatric Patients. Pei-Ni Jone Liao, MD, Ryan D Coleman, BS, **Ramzi T Nicolas, MD**, Mark C Johnson, MD, Angela M Sharkey, MD. Abstract presented at the ASE highlights meeting, 2006.

2011 Vascular Transcatheter Interventions in the Pediatric Lung Transplant Population at St. Louis Children’s Hospital. Joshua Sparks, MD, Courtney Maguire, Dierdre Epstein, Joshua Murphy, MD, **Ramzi Nicolas, MD**, Susan Foerster, MD, David Balzer, MD. Abstract accepted for an oral presentation at the SCAI 2011, Baltimore, MD.

2012 Sedation and Anesthesia Related Adverse Events in Pediatric and Congenital Cardiac Catheterization. H. Lin, MD, **Ramzi Nicolas, MD**,

David Balzer, MD, Lisa Bergersen, MD. Abstract presented at the AHA Scientific Sessions 2012, Los Angeles, CA.

- 2014 Risk Factors for Right Ventricular Outflow Tract Disruption During Percutaneous Pulmonary Valve Implantation (PPVI) . Matthew Ambrose, MD, David Balzer, MD, Joshua Murphy, MD, **Ramzi Nicolas, MD**, Shabana Shahanavaz, MD - Division of Pediatric Cardiology, Washington University School of Medicine/Saint Louis Children's Hospital, Saint Louis, MO. Abstract presented at PICS, Chicago, IL June 7, 2014.
- 2014 Factors Influencing the Patency of a Percutaneously Created Fontan Fenestration. Meghna Patel, MD, David Balzer, MD, Joshua Murphy, MD, **Ramzi Nicolas, MD**, Shabana Shahanavaz, MD. Abstract presented at PICS, Chicago, IL June 7, 2014.
- 2014 Pressure Guide Wire Use in Pediatric Cardiac Catheterization. Toby Rockfeller, MD, C Huie Lin, MD, Joshua Murphy, MD, David Balzer, MD, **Ramzi Nicolas, MD**, Shabana Shahanavaz, MD. Abstract presented at PICS, Chicago, IL June 7, 2014.
- 2014 Cardiac Catheterization and Freedom from Percutaneous Interventions after Pediatric Lung Transplantation. Toby Rockfeller, MD, Joshua Sparks, MD, Courtney Maguire, MD, Joshua Murphy, MD, David Balzer, MD, **Ramzi Nicolas, MD**, Shabana Shahanavaz, MD. Abstract presented at PICS, Chicago, IL June 7, 2014.
- 2014 Hemodynamic Effects of Dexmedetomidine in Pediatric Cardiac Transplantation Recipients During Cardiac Catheterization. Margie Tucker, MD, David Balzer, MD, Kelly Chilson, MD, Joshua Murphy, MD, **Ramzi Nicolas, MD**, and Shabana Shahanavaz, MD. Division of Pediatric Cardiology, Division of Anesthesia, Washington University School of Medicine. Abstract presented at PICS, Chicago, IL June 7, 2014.
- 2014 Percutaneous Carotid Arterial Access in Infants < 3 Months of Age. Joshua Murphy, MD, David Balzer, MD, **Ramzi Nicolas, MD**, Shabana Shahanavaz, MD, Swati Choudhry, MD. Abstract presented at PICS, Chicago, IL June 7, 2014.
- 2014 Radiation Exposure of 3- Dimensional Rotational Angiography Use During Trans-catheter Melody Valve Implantation in the Pediatric Cardiac Catheterization Laboratory. Joshua Murphy, MD, David Balzer, MD, **Ramzi Nicolas, MD**, Shabana Shahanavaz, MD, Hoang Nguyen, MD. Abstract presented at PICS, Chicago, IL June 7, 2014.

- 2015 Surgical systemic to pulmonary artery shunt versus ductus arteriosus stenting in infants with ductal dependent pulmonary blood flow. Toby Rockefeller, MD, Richard Markus, MD, David Balzer, MD, Joshua Murphy, MD, **Ramzi Nicolas, MD**, Pirooz Eghtesady, MD, Peter Manning, MD, Shabana Shahanavaz, MD - Abstract presented at *SCAI Scientific Sessions, San Diego, CA*, May 6, 2015.

PRESENTATIONS/ LECTURES

- 2003 Early Outcome after Glenn and Fontan Palliation and the Impact of Surgery During Viral Respiratory Season: Analysis of a 19 Year Multi-Institutional Experience. Pediatric Cardiac Care Consortium (PCCC), Dallas, TX, April 11, 2003
- 2004 Congenital Abnormalities of the Systemic Venous Return. St Louis Children's Hospital. May 2004
- 2005 Transport of the Newborn with Suspected Congenital Heart Disease. SIU, June 2005, given yearly to the pediatric residents
- 2005 Cardiac Emergencies. SIU, July 2005, given yearly to the pediatric residents
- 2005 Genetic Syndromes with Cardiac Anomalies. SIU, July 2005, given yearly to the pediatric residents
- 2005 Chest Pain in the Pediatric Population. SIU, April 2005, given yearly to the pediatric residents
- 2006 Coarctation of the Aorta. Annual Echo Symposium, St John's Hospital, Springfield, IL. April, 2006.
- 2006 Cardiac Risks in the Developmentally Disabled Population. Clinical Updates Conference in Mental Health and Developmental Disabilities. Convention Center, Springfield, IL. May, 2006
- 2006 Congenital Heart Disease in the Newborn. SIU School of Medicine, Family Practice residents. July, 2006
- 2006 Congenital Heart Disease for the Primary Care Physician. Advances in Pediatric and Neonatal Critical Care. September, 2006

- 2007 Hypoplastic Left Heart Syndrome. Annual Echo Symposium, St John's Hospital, Springfield, IL. May, 2007
- 2007 Sudden Death in Athletes. Clinical Pediatric Update for the Primary Care Provider. Washington University. September, 2007
- 2008 An Overworked Single Pumping Chamber: The Trip from Birth until the Fontan Procedure. Pediatric Grand Rounds, SIU School of Medicine. March, 2008
- 2008 Pediatric Interventional Cardiology Update. Annual Echo Symposium. St John's Hospital, Springfield, IL. April, 2008
- 2009 Sudden Cardiac Death in Young Athletes, Pediatric Grand Rounds, SIU School of Medicine. February, 2009
- 2009 Presentation and Management of Single Ventricle, Fetus and Newborn Conference, SIU School of Medicine, October 2009
- 2009 Myocarditis in Children: Characteristics and Challenges, Pediatric Grand Rounds, SIU School of Medicine, October, 2009
- 2010 Narrow Complex Tachycardia in the Pediatric Age Group. SIU School of Medicine, STAT Page to the ED Symposium, October 2010
- 2010 Congenital Heart Disease in the Newborn. SIU School of Medicine, ER residents, November 2010
- 2010 The Newborn with Suspected Congenital Heart Disease. Illinois Pediatric Cardiology Teaching Day. Sponsored by Washington University, Decatur, IL, November 2010
- 2011 A Newborn with Depression in the Delivery Room, Pediatric Grand Round, SIU School of Medicine, March 2011
- 2012 An Unusual Cause of Wheezing, PICU Clinicopathology Conference, SIU School of Medicine, February, 2012
- 2012 Cardiac Defects in Genetic Syndromes, CME Dinner, Springfield IL, September, 2012
- 2012 NICU Division Clinicopathology Conference – A Newborn with Tachypnea, SIU, November 2012

- 2013 Identification of Critical Congenital Heart Disease in the “Normal” Newborn: Role for Pulse Oximetry Screening. CME Dinner Event. Sponsored By Washington University. Carbondale, IL, November 2013.
- 2013 Radiation Safety, Washington University, St Louis, Missouri, May 2013
- 2014 The Child with Elevated Blood Pressure, SIU Grand Round, March 2014
- 2015 An Adolescent with an Interrupted Aortic Arch, Annual Echo Symposium, St John’s Hospital, Springfield, IL, April, 2015
- 2015 Pediatric Cardiac Trauma Cases, St John’s Hospital, Springfield, IL. Trauma Conference, May 2015
- 2015 Anesthesia and Hypertrophic Cardiomyopathy, St John’s Hospital, Springfield, IL, Pediatric Anesthesia Conference. June 2015

AWARDS/ HONORS

- 2012 Best Teaching Service Award, SIU Department of Pediatrics
- 2007 Pediatric Teaching Award, SIU Department of Pediatrics
- 1998 Member of the Alpha Omega Alpha (AOA) Honor Medical Society, AUB chapter
- 1995-1996 Dean’s Honor List of the Faculty of Medicine
- 1994 The President of the Republic award for excellence in academic Performance, Lebanon
- 1994 BS with distinction
- 1991-1994 Hariri Foundation High Academic performance list:
 Spring semester 1991-1992
 Fall/Spring semester 1992-1993
 Fall semester 1993-1994
- 1991-1994 Dean’s Honor List of the faculty of Arts and Sciences:
 Spring semester 1991-1992
 Fall/Spring semester 1992-1993
 Fall semester 1993-1994

1990 Graduated from high school with Honors, received the Lebanese
Baccalaureate with distinction 1990

JOURNAL REVIEWS

Guest Reviewer for: The Annals of Thoracic Surgery

LANGUAGES

Arabic, French and English