

EDUCATION

UNDERGRADUATE

July 1978 to June 1982
Villanova University, Villanova, PA — Bachelor of Science, Biology

MEDICAL EDUCATION

July 1982 to June 1986
Medical College of Pennsylvania, Philadelphia, PA — Doctor of Medicine

INTERNSHIP

July 1986 to June 1987
University of Maryland Medical Systems, Baltimore, MD
· Department Chairman: Michael Berman
· Chief of Service: Carol Carrachio, M.D.

RESIDENCY / CHIEF RESIDENCY

July 1987 to June 1990
University of Maryland Medical Systems, Baltimore, MD
· Department Chairman: Michael Berman
· Chief of Service: Carol Carrachio, M.D.

FELLOWSHIP

July 1990 to June 1993
Cornell-Columbia, The New York Hospital, Weill Medical Center,
New York, NY
· Department Chairman: Maria New, M.D.
· Chief of Service: Bruce Greenwald, M.D.

FULL-TIME PROFESSIONAL EXPERIENCE

CHILDREN'S HOSPITAL OF THE KING'S DAUGHTERS

Eastern Virginia Medical School, Norfolk, VA
July 1993 to October 2014
· Pediatric Intensivist
· Medical Director, Respiratory Therapy
· Pediatric Director, Burn Program
· Associate Professor of Pediatrics

MEDSTAR GEORGETOWN UNIVERSITY HOSPITAL

Georgetown School of Medicine, Washington, DC
October 2015 to April 2018
· Pediatric Intensivist
· Division Chief, Pediatric Critical Care Medicine
· Medical Director, PICU
· Director, Pediatric Sedation
· Director, Pediatric Transport
· Professor of Pediatrics

MAYNARD CHILDREN'S HOSPITAL

Eastern Carolina University Brody School of Medicine, Greenville, NC
April 2018 to February 2021
· Pediatric Intensivist
· Pediatric Hospitalist
· Professor of Pediatrics

PART-TIME PROFESSIONAL EXPERIENCE

HENRICO DOCTOR'S HOSPITAL, Richmond, VA

February 1998 to March 1999
· Pediatric Intensivist

CHIPPENHAM JOHNSTON-WILLIS HOSPITAL, Richmond, VA

February 1998 to March 1999
· Pediatric Intensivist



SANTA J. BARTHOLOMEW M.D. FAAP, FCCM

(Formerly Santa J. Johnston M.D.)

Medical Director
Pediatric Medical Experts, LLC

Professor of Pediatrics
Georgetown School of Medicine
3300 Reservoir Road NW
Washington, DC 20007

Professor of Pediatrics
East Carolina University
Brody School of Medicine
600 Moye Boulevard
Greenville, NC 27834

Expert Witness / Court Services
Since 1993

DOUBLE BOARD CERTIFIED BY
The American Board of Pediatrics
Pediatrics and Pediatric Critical Care

PRIMARY SPECIALTY
Pediatric Critical Care



(727) 698-4000
855-JURISMD Toll Free
ask@pediatricexperts.com
PediatricExperts.com

PART-TIME PROFESSIONAL EXPERIENCE

ST. MARY'S HOSPITAL, Evansville, IN
 February 2001 to June 2001, October 2005 to September 2007, and August 2015 to present
 · Pediatric Intensivist
 · Pediatric Hospitalist

MEDICAL COLLEGE OF GEORGIA, Augusta, GA
 January 2006 to July 2006, and October 2009 to December 2009
 · Pediatric Intensivist

VIA CHRISTI MEDICAL CENTER, Wichita, KS
 March 2006 to September 2006
 · Pediatric Intensivist

COLUMBUS REGIONAL MEDICAL CENTER, Columbus, GA
 September 2006
 · Pediatric Intensivist

HENNEPIN COUNTY MEDICAL CENTER, Minneapolis, MN
 August 2007 to September 2007
 · Pediatric Intensivist

SINAI OF BALTIMORE, Baltimore, MD
 September 2007 to June 2010, and August 2014 to September 2016
 · Pediatric Intensivist

PRESBYTERIAN ALBUQUERQUE MEDICAL CENTER, Albuquerque, NM
 July 2010 to March 2013, and May 2015 to June 2015
 · Pediatric Intensivist

NEW HANOVER REGIONAL MEDICAL CENTER, Wilmington, NC
 January 2013 to February 2014, and February 2015
 · Pediatric Intensivist
 · Pediatric Hospitalist

CARILLION ROANOKE MEDICAL CENTER, Roanoke, VA
 December 2012 to November 2013
 · Pediatric Intensivist

ALASKA NATIVE MEDICAL CENTER HOSPITAL, Anchorage, AK
 January 2015
 · Pediatric Intensivist

RENOWN MEDICAL CENTER, Reno, NV
 September 2012 to September 2013
 · Pediatric Intensivist

SUMMERLIN HOSPITAL, Las Vegas, NV
 February 2013 to May 2013
 · Pediatric Intensivist

ST. ROSE DOMINICAN HOSPITAL, Henderson, NV
 June 2013
 · Pediatric Intensivist

CAPE FEAR VALLEY MEDICAL CENTER, Fayetteville, NC
 January 2014 to January 2017
 · Pediatric Intensivist
 · Pediatric Hospitalist

OSF CHILDREN'S HOSPITAL OF ILLINOIS, Peoria, IL
 August 2015 to December 2015
 · Pediatric Intensivist

MEDSTAR GEORGETOWN UNIVERSITY HOSPITAL, Washington, DC
 May 2015 to August 2015
 · Pediatric Intensivist

CERTIFICATION

PEDIATRICS CERTIFICATE No. 53650

- Date of Certification: 10/01/1994

PEDIATRIC CRITICAL CARE MEDICINE CERTIFICATE No. 627

- Date of Certification: 08/13/1996
- Recertification: 12/31/2005, and 11/04/2016
- Next Certification: 2026

COURT QUALIFICATIONS

Qualified as Expert Witness

AR, CT, FL, GA, HI, IL, IN, LA, MA, MO, NC, NJ, NV, NY, OH, OK, SC, TN, TX, VA, WA, District of Columbia, and Puerto Rico

For the Court

IN, NC and VA

Languages Spoken

English

LICENSURE

Connecticut

Issued 08/23/2007, Expired 07/31/2008
(pending reinstatement)

District of Columbia

Issued 04/24/2015, Expires 12/31/2021

Florida

Issued 10/10/2019, Expires 01/31/2022

Georgia

Issued 01/12/2006, Expires 07/31/2021

Illinois

Issued 07/01/2016, Expires 07/31/2023

Indiana

Issued 09/29/2006, Expires 10/31/2021

Kansas

Issued 07/01/2007, Expired 06/30/2008
(pending reinstatement)

Maryland

Issued 12/15/1987, Expires 12/31/2021

Minnesota

Issued 08/24/2007, Expired 11/10/2007

Montana

Issued 10/01/20, Expires 03/31/2022

Nevada

Issued 07/26/2015, Expires 06/30/2020

New Mexico

Issued 07/14/2010, Expired 07/01/2017

New York

Issued 01/01/1993, Expires 12/31/2021

North Carolina

Issued 09/2013, Expires 07/31/2021

PART-TIME PROFESSIONAL EXPERIENCE

ANNE ARUNDEL MEDICAL CENTER, Annapolis, MD
 January 2018 to September 2019
 · Pediatric Emergency Medicine

BEACON HEALTH, South Bend, IN
 February 2017 to present
 · Pediatric Intensivist

NAVICENT HEALTH, Macon, GA
 March 2018 to present
 · Pediatric Intensivist

MARIA PARHAM, Henderson, NC
 February 2018 to present
 · Pediatric Hospitalist

MOSES CONE HEALTH, Greensboro, NC
 February 2018 to present
 · Pediatric Intensivist

**COMMUNITY CHILDREN'S AT COMMUNITY MEDICAL CENTER
 PEDIATRIC INTENSIVE CARE UNIT, Missoula, MT**
 January 2021 to present
 · Pediatric Intensivist

RESEARCH + SCHOLARLY ACTIVITIES

DeBruin W, Notterman DL, Magid D, Valentino J, Johnston SJ. Acute hypoxemic respiratory failure in infants and children: Clinical and pathologic characteristics. *Crit Care Med* 1992;9: 1223-1233. UI: 1521437.

Fong J, Notterman D, Valentino J, Johnston SJ. Calculated creatinine clearance fails to predict measured creatinine clearance in critically ill children. *Clin Pharmacol Ther* 1995;58:192-197.

Nakagawa T, Morris A, Johnston SJ, Sharkey P, Zaritsky AL. Dose response to inhaled nitric oxide in pediatric patients with pulmonary hypertension and ARDS *J Pediatrics*:131:63-69 UI: 9255193

Miles MV, Li L, Henshell BL, Alia S, Agbuya PE, Adelman RD, McGinnis PJ, Zaritsky AL, Johnston SJ, Nakagawa TA, Gomez RJ. Occurrence of renal tubule dysfunction following cardiopulmonary bypass in children. *Crit Care Med* 1997;25(1): A105

Nakagawa T, Falkos S, Johnston SJ. Life-Threatening status asthmaticus treated with inhaled nitric oxide. *Crit Care Med* 1998;26:A113

ABSTRACTS FOR CONFERENCES

Comparison of rectal vs. intravenous Fentanyl in pediatric patients. Presented at Annual Meeting of Society of Pediatric Research. December 1996.

Inhaled nitric oxide as a treatment for pulmonary hypertension in ARDS patients. Nakagawa TA, Morris AD, Gomez RJ, Zaritsky AL, Johnston SJ. Research Symposium, Department of Pediatrics, Eastern Virginia Medical School. May 1995.

Pharmacokinetics of Midazolam in critically ill children. Johnston SJ, Notterman D, Fong J. Society of Pediatric Research Annual Meeting 1993.

LICENSURE

Pennsylvania
 Issued 02/19/20, Expires 12/31/2020

South Carolina
 Issued 04/03/2015, Expires 06/30/2021

Virginia
 Issued 07/01/1993, Expires 07/31/2021

TEACHING + MENTORING

DEPARTMENT OF PEDIATRICS

Children's Hospital of the King's Daughters, Eastern Virginia Medical School

Resident Mentor
 07/1994 to 07/2014
 · 20-30 Pediatric and Critical Care lectures per annum

Third-Year Pathophysiology Course Facilitator
 09/1993 to 09/2013
 · 3 hours per week for last fall semester
 · 8 to 12 students

MedStar Georgetown School of Medicine

Resident Mentor
 10/2015 to 04/2018
 · 20-30 Pediatric and Critical Care lectures per annum

MS3 Pathophysiology Course Facilitator
 2017
 · 90-minute sessions, monthly
 · 9 to 12 students

East Carolina University, Brody School of Medicine

Resident Mentor
 04/2018 to present
 · 5 mentee's have entered Pediatric Critical Care Medicine (PCCM)
 · 20-30 Pediatric and Critical Care lectures per annum

MS3 Pathophysiology Course Facilitator
 04/2018 to present
 · 90-minute sessions, monthly
 · 9 to 12 students
 · Faculty Oral Examiner
 · PICO Examiner

RESEARCH FUNDING

Title of Grant: Pediatric Computerized Severity Index

- Principal Investigator: Robert Gomez, M.D.
- Co-principal Investigators: Thomas Nakagawa, M.D., Santa J. Johnston, M.D., Amelia Morris, R.N., B.S.N., Arno Zaritsky, M.D.
- Sponsor: (AHCPR), Center for General Health Services Extramural Research
- Period of Grant: August 17, 1995 to January 30, 1997
- Amount Funded: \$25,000

Title of Grant: A Prospective, Randomized, Placebo-Controlled, Multi-Center Trial Examining the Role of Antithrombin III Treatment in the Management of Meningococcal Purpura Fulminans

- Principal Investigator: Santa J. Johnston, M.D.
- Co-principal Investigators: Robert Gomez, M.D., Thomas Nakagawa, M.D., Christopher Foley, M.D., and Amelia Morris, R.N., B.S.N.
- Sponsor: Bayer, Inc.
- Period of Grant: January 1996 to January 2000
- Amount Funded: \$1,000 per patient enrolled (27 patients enrolled)

Title of Grant: The Use of Inhaled Nitric Oxide for the Treatment of Pulmonary Hypertension in Pediatric Patients

- Principal Investigator: Thomas Nakagawa, M.D.
- Co-principal Investigators: Robert Gomez, M.D., Santa J. Johnston, M.D., Arno Zaritsky, M.D., Donald Tripple, M.D., Amelia Morris, R.N., B.S.N., Daniel Schneider, M.D., Timothy Sharkey, R.R.T.
- Sponsor: Children's Hospital of The King's Daughters
- Period of Grant: June 1994 to June 1996
- Amount Funded: \$21,400 (Exclusively PICU)

Title of Grant: Development of a Voice-Dictation System for Use in the Pediatric ICU

- Principal Investigator: Thomas Nakagawa, M.D.
- Co-principal Investigators: Robert Gomez, M.D., Santa J. Johnston, M.D., Christopher Foley, M.D., Amelia Morris, R.N., B.S.N.
- Sponsor: Chairman's Funds
- Period of Grant: January 1996 to January 1997
- Amount of Grant: \$13,439

Title of Grant: Stress Hormonal and Metabolic Response to Critical Illness

- Principal Investigator: Arno Zaritsky, M.D.
- Co-principal Investigators: Robert Gomez, M.D., Thomas Nakagawa, M.D., Santa J. Johnston, M.D., Christopher Foley, M.D., Amelia Morris, R.N., B.S.N.
- Sponsor: Chairman's Funds
- Period of Grant: July 1994 to June 1997
- Amount of Grant: \$15,000

Title of Grant: A Patient-Focused Medication Information Program

- Principal Investigator: Amelia Morris, R.N.
- Co-principal Investigators: John VanEckhout, Pharm.D., Santa J. Johnston, M.D., Barbara Bonheur, R.N., Justine Schultz, M.S.
- Sponsor: Children's Hospital of The King's Daughters
- Period of Grant: January 1994 to December 1994
- Amount Funded: \$10,000

Title of Grant: Fentanyl Pharmacokinetics in Children: A comparison of Intravenous and Rectal Administration

- Principal Investigator: Steven Shane, M.D.
- Co-principal Investigators: Santa J. Johnston, M.D., Michael Miles, Pharm.D.
- Sponsor: Children's Hospital of The King's Daughters
- Period of Grant: January 1994 to December 1994
- Amount Funded: \$4,500

HONORS + AWARDS

East Carolina Brody School of Medicine

- **Top Doctor**
2020 and 2021

MedStar Georgetown School of Medicine

- **Top Doctor Washington, DC**
2017 and 2018

Children's Hospital of the King's Daughters, Eastern Virginia Medical School

- **Best Doctor Hampton Roads, VA**
2013, 2014, and 2015
- **Best Physician Educator for Nursing**
2013

Eastern Virginia Medical School, Department of Emergency Medicine

- **Off-Service Clinical Instructor of the Year Award**
1998 and 1999
2001 and 2002

PROFESSIONAL SOCIETIES

Fellow of the American Academy of Pediatrics

Fellow of the Society of Critical Care Medicine, *Silver Member*

Member of the American Burn Association

Member of the North Carolina Chapter of the American Academy of Pediatrics

Member of the Virginia Chapter of the American Academy of Pediatrics

GOVERNANCE

AMERICAN ACADEMY OF PEDIATRICS

- Section on Clinical, Pharmacology and Therapeutics
- Section on Transport
- Section on Pediatric Critical Care Medicine
- Section on Pharmacy

SOCIETY FOR CRITICAL CARE MEDICINE

- Section on Clinical Pharmacology and Pharmacy
- Section on Pediatrics
- Section on Anesthesia

UNFUNDED RESEARCH

Title of Project: A Prospective, Randomized Study of the Use of Calf's Lung Surfactant (Infasurf) in Respiratory Failure in Children: A Multi-Institutional Trial

- Principal Investigators: Arno Zaritsky, M.D., Doug Wilson, M.D. (UVA)
- Co-principal Investigators: Robert Gomez, M.D., Thomas Nakagawa, M.D., Santa J. Johnston, M.D., Amelia Morris, R.N., B.S.N.

Title of Project: Efficacy of Ribavirin for Mechanically Ventilated Infants with RSV Infection: A Multicenter Prospective Cohort Study

- Principal Investigator: Arno Zaritsky, M.D.
- Co-Principal Investigators: Robert Gomez, M.D., Thomas Nakagawa, M.D., Santa J. Johnston, M.D., Amelia Morris, R.N., B.S.N.

Title of Project: Evaluation of Ethical Conflicts Associated with Randomized Controlled Trials in Critically ill Children

- Principal Investigator: Amelia Morris, R.N., B.S.N.
- Co-principal Investigators: Arno Zaritsky, M.D., Santa J. Johnston, M.D., Gretchen LeFever, PhD.

Title of Project: Pharmacokinetics and Pharmacodynamics of Lorazepam in Preterm Infants

- Principle Investigator: Santa J. Johnston, M.D.
- Co-Investigators: Brian Wood, M.D., Amelia Morris, R.N., Arno Zaritsky, M.D., Michael Miles, Pharm.D., Suzanne Barron, R.N.

Title of Project: Pharmacokinetics and Pharmacodynamics of Midazolam in Preterm Infants

- Principle Investigator: Santa J. Johnston, M.D.
- Co-Investigators: Brian Wood, M.D., Amelia Morris, R.N., Arno Zaritsky, M.D., Michael Miles, Pharm.D., Suzanne Barron, R.N.

PROFESSIONAL SERVICE

DEPARTMENT OF PEDIATRICS

CHILDREN'S HOSPITAL OF THE KING'S DAUGHTERS, Norfolk, VA

- Medical Director Respiratory Therapy, 2010 to 2014
- Professional Staff President, 2004 to 2006
- Professional Affairs Committee, 2004 to 2006
- Board of Directors Member, 2004 to 2006
- Credentials Committee Member, 2003 to 2006
- Physician Champion for Patient Safety: Initiation of JCAHO Time Out Policies in OR's, 2003 to 2006
- Professional Staff Vice-President, 2002 to 2004
- QI/Accreditation Committee and Board Member, 2002 to 2006
- Professional Staff Secretary/Treasurer, 2000 to 2001
- Medical Executive Committee, 1999 to 2007
- Credentials Committee Chair, 2002 to 2004
- Credentials Committee Vice-Chair, 1998 to 2002
- Performance Improvement Committee Chair, 2002 to 2004
- Performance Improvement Committee Vice-Chair, 1998 to 2002
- Resuscitation Committee Chair, 2002 to 2004
- PICU Pain Steering Subgroup Chair, 2002 to 2014
- Pain Steering Group Hospital Chair, 2001 to 2014
- Memorial Task Force, 1998 to 2014
- Pet Therapy Founder, 1998 to 2005

COMMUNITY SERVICE

DOMESTIC

- **Camp Merrieweode**, Sapphire, NC 2002 to 2013
- **Georgetown Medical School Free Clinic**, Washington, DC 2014 to 2017
- **Greenville Free Clinic, Brody School of Medicine**, Greenville, NC 2018 to present
- **Sacred Heart Parish Soup Kitchen**, Norfolk, VA 1993 to 2005

INTERNATIONAL

Operation Smile

- Board of Directors, 2000 to 2001
- Search Committee Chief Medical Officer, 2000 to 2001
- Pediatric Intensivist Council Chairperson, 1997 to 2001
- Medical Mission Postoperative Team in Panama, July 1998
- Medical Mission Postoperative Team in Manila, February 1998
- Medical Mission Postoperative Team in Manila, February 1997
- Assisted in credentialing of all physicians in the Post Anesthesia Care Unit
- Performed quality improvement with Anesthesia Council Chair
- Assisted and contributed to the writing of a handbook on fact-finding for Craniofacial Missions in the Third World
- Revision of Operation Smile chart and order sets with Anesthesia Council Chair
- Member of the Medical Executive Advisory Committee
- Member of a fact-finding team for newborn unit in Gaza
- Member of a fact-finding team for expansion of King Hussein's Pediatric Burn Unit in Jordan
- Provided guidance to missions

PROFESSIONAL SERVICE

- Bereavement Task PICU, 1997 to 2000
- Children's Special Group, Practice Standards Committee
Wrote by-laws for the corporation, 1998 to 2005
- Children's Special Group, Advisory Board
Advised management about medical issues in the in-patient arena, 1998 to 2014

SENTARA NORFOLK GENERAL HOSPITAL, Norfolk, VA

- Burn Committee Member, Burn Committee Liaison to Main Committee, 1995 to 2011
- Pediatric Representative to the Commonwealth of Virginia, Trauma Triage Committee, Tidewater EMS Council, Inc., 2000 to 2014

ST. MARY'S REGIONAL MEDICAL CENTER, Evansville, IN

Invited consultant to assist in developing and acquiring Level II trauma status in Indiana.

- Pediatric Consultant to Trauma Team — **Acquisition of Level II Trauma Accreditation.** Acquired 2008 at first submission, September 2007 to April 2008
- Member of Trauma Mortality and Morbidity Committee, September 2006 to April 2008

SINAI OF BALTIMORE, Baltimore, MD

- Pediatric Transport Team Co-Manager, 2008 to 2010

EASTERN VIRGINIA MEDICAL SCHOOL, Norfolk, VA

- GME Oversight Committee, 2004 to 2012
- Mock Students Interviewing, 1997 to 1998
- Admissions Committee Member, 1993 to 2003
- Admissions Committee Student Interviewer, 1993 to 2003
- Pediatric Resident Interviewer, 1993 to 2013
- Resident Support Group Faculty Advisor, 1993 to 1994
- Pediatric Research Interest Group Member, 1993 to 1997

MEDSTAR GEORGETOWN UNIVERSITY HOSPITAL, Washington, DC

- CPR Committee Member, October 2015 to present
- Pharmacy Committee, October 2015 to present
- Mortality and Morbidity Committee, October 2015 to present
- Pediatric Practice Council, October 2015 to present
- Sepsis Council, October 2015 to present
- Pediatric Quality Committee, October 2015 to present
- WRTC Organ Donation Committee Chair, April 2017

EAST CAROLINA UNIVERSITY, Greenville, NC

- Palliative Care Team, April 2018 to present
- Medical Ethics Pediatric Liaison, April 2018 to present
- Journal Club Director, PCCM, April 2018 to present
- Calendar Committee, January 2019 to present

VIDANT HEALTH, Greenville, NC

- Credentials Committee, January 2019 to present
- Donor Service Committee, July 2019 to present

COMMUNITY SERVICE

department on medical teams, new site problem solving

INTERNATIONAL

World Journey of Hope

- Lecturer in Venezuela, Brazil, Colombia, Philippines, and Vietnam.

Topics included:

- Postoperative care of the cleft lip and palate patient
- ICP Monitoring of the Craniofacial Patient
- Pain Management in Pediatrics, and Meningitis in the Hypertelorism Patient
- Chief Pediatric Intensivist, February 1999 to April 1999 (*16 countries, 30 sites*)
- Planning Council, 1998 to 1999



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