

Curriculum Vitae

Alicia Heather Chaves, M.D
Assistant Professor of Pediatrics
Director, Non-invasive Pediatric Cardiac Imaging
Director, High Risk Clinic
University of Maryland School of Medicine

Contact Information

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Foreign languages: proficient in Spanish

Education

1996-1998 Boston University, major in psychology
1998-2000 University of Florida, BS in psychology, 2000
2000-2004 University of South Florida, Doctor of Medicine, 2004

Post Graduate Education and Training

2004-2007 Pediatric Residency, Yale-New Haven Hospital
2007-2010 Pediatric Cardiology Fellowship, Yale University
2010-2011 Advanced Pediatric Cardiac Non-Invasive Imaging Fellowship, Medical College of Wisconsin

Certifications

2007 Board certified in pediatrics
2010 Board certified in pediatric cardiology
2013 BLS certification, exp 11/17
2014 PALS certification, exp 4/16

Medical Licensures

2010-11 Medical license, Wisconsin
2011-present Medical license, Maryland

Employment History

2010-2011 Clinical Instructor, Medical College of Wisconsin

2011- present Assistant Professor of Pediatrics, University of Maryland School of Medicine

Professional Society Memberships

2004-7, 2012- present Fellow, American Academy of Pediatrics
2007-present Member, American College of Cardiology
2009-present Member, American Society of Echocardiography
2010-present Member, American Heart Association
2010-present Member, Society for Cardiovascular Magnetic Resonance

Honors and Awards

1996-2000 Dean's List, Boston University and University of Florida
1998, 2000 President's Honor Roll, University of Florida
1997 Golden Key National Honor Society
2000 Phi Beta Kappa

Clinical Activities

- Clinical expertise in care of pediatric patients with congenital and acquired cardiovascular disease
- Director, Non-invasive pediatric cardiac imaging
- Performance and interpretation of transthoracic, transesophageal and fetal echocardiograms, including 3-D echocardiography
- Interpretation of cardiac MRI
- General pediatric cardiology clinic
- Fetal cardiology clinic
- Director, Single Ventricle Clinic
- Inpatient pediatric cardiology service

Teaching Service

2012-2015 Faculty mentor to a pediatric resident- Hatai Kraushaar, MD: provide guidance throughout residency regarding academic progress, career planning; Dr. Kraushaar is currently a fellow in pediatric intensive care at UMMC
2012-2014 Research mentor to a pediatric resident- Caitlin Zaner, MD: assist resident in designing and completing a research project; Dr. Zaner is currently a pediatric hospitalist in Fredrick, MD
2012 Medical student shadowing: first year medical students in clinic
Nov-Dec 2012, Aug-Sept 2013, Jan-Feb 2016 Teaching attending for third year medical student rotation: 5 hours/week or 6 weeks observing student H&Ps and providing feedback, small group discussion and teaching

- 2013-present NICU Fellow cardiology rounds: teaching session with fellows, 1-2 hours per month, lectures and discussion of cardiac-related core competencies for neonatology fellows
- 2011-present Cardiac nursing core curriculum, 1-2 hours per year, cardiac imaging and single ventricle defects
- 2014-present Development of curriculum and planning for initiation of pediatric cardiology fellowship; on hold pending funding
- 2014-2015 Member of Scholarship Oversight Committee for PICU fellow- Odiraa Nwankwor, MD; Dr. Nwankwor is currently a pediatric intensivist at AI DuPont Children's Hospital
- 2014-present Research mentor to college student- Diana Sandmeyer; collaborating on study; Ms. Sandmeyer is attending Temple University School of Medicine
- 2015-present Faculty mentor to medical student- Brooke Prince
- 2015-present Faculty mentor to pediatric resident- Priya Singhal, MD

Administrative Service

Local and Institutional Service

- Director of Pediatric Echocardiography Laboratory
 - Development of policies and procedures to ensure quality of pediatric echocardiograms and to achieve and maintain IAC accreditation
- Member of Epic Steering Committee
- Member of UM Pediatric Residency Education Task Force

National Service

- Reviewer, *Pediatric Research* (2012)
- Reviewer, *International Journal of Medicine and Medical Sciences* (2012)
- Reviewer, *Echocardiography* (2014)
- Site investigator for National Pediatric Cardiology Quality Improvement Collaborative (2011-present): attend learning sessions, implement quality improvement projects at UMMC, oversee data collection and patient enrollment; approximately 10 hours per month
- Member of Non-invasive Imaging Quality Metrics Working Group, American College of Cardiology (2011-present): participate in development of quality improvement metrics for use in pediatric echocardiography laboratories
- American Academy of Pediatrics PREP Cardiology Advisory Board (2014-present): write and review board practice questions; approximately 5 hours per month plus attend 2 peer review sessions annually

Publications

Peer-reviewed Journal Articles

1. MacLennan AJ, Carney PR, Zhu WJ, **Chaves AH**, Garcia J, Grimes JR, Anderson KJ, Roper SN, Lee N. "An essential role for the H218/AGR16/Edg-5/LP(B2) sphingosine 1-phosphate receptor in neuronal excitability." *European Journal of Neuroscience*. 14(2):203-9, July, 2001.
2. MacLennan AJ, Benner SJ, Andringa A, **Chaves AH**, Rosing JL, Vesey R, Karpman AM, Cronier SA, Lee N, Erway LC, Miller ML. The S1P2 sphingosine 1-phosphate receptor is

essential for auditory and vestibular function. *Hear Res.* 2006 Oct;220(1-2):38-48. Epub 2006 Aug 30.

3. Cattoretto G, Mandelbaum J, Lee N, **Chaves AH**, Mahler AM, Chadburn A, Dalla-Favera R, Pasqualucci L, MacLennan AJ. Targeted disruption of the SIP2 sphingosine 1-phosphate receptor gene leads to diffuse large B-cell lymphoma formation. *Cancer Res.* 2009 Nov 15;69(22):8686-92. Epub 2009 Nov 10
4. **Chaves AH**, Cava JR, Simpson P, Hoffman GM, Samyn MS. Infant Cardiac Magnetic Resonance Imaging Using Oscillatory Ventilation: Safe and Effective. *Pediatric Cardiology.* 2013 Jun;34(5)(2013),1201-1205.
5. **Chaves AH**, Sebastian J, Hoopes S, Rosenthal GL. The effect of a quality improvement intervention on variability of measurements of left ventricular dimensions in a pediatric echocardiography laboratory. *Congenital Heart Disease.* 2015 Mar 24. doi: 10.1111/chd.12258. [Epub ahead of print].

Non-peer-reviewed Journal Articles

1. **Chaves AH**, Frommelt PC. "Impact of Heart Rhythm and Synchrony on Echo-Doppler Assessment in Pediatric Heart Disease". *Pediatric Ultrasound Today.* 16(10):193-220, 2011.

Book Chapters

1. **Chaves AH**, Ryan S. Motivational Interviewing. In: Talwalkar JS, Fenick AM, eds. *Yale Primary Care Pediatrics Curriculum, 7th Edition.* 2013. Available from: <http://pcpc.yale.edu>

Abstracts

1. **Chaves AH** and Weeks BP. "Longitudinal Patterns of Aortic Root Growth in Repaired Tetralogy of Fallot Patients Show Progressive Dilation". Oral presentation: American Heart Association Scientific Sessions, Chicago, IL, November 13-17th, 2010.
2. **Chaves AH**, Hoffman G, Cava J, Simpson P, Samyn M. "Infant Cardiac MRI Using Oscillatory Ventilation: Safe and Effective". Poster presentation: Society for Cardiac MRI Scientific Sessions, Orlando, FL, February 2-5th, 2012.
3. Zaner CE, Iafolla TJ, **Chaves AH**, Baker-Smith CM, Rosenthal GL. "An Evaluation of the Relationship Between Cotinine and Systolic Blood Pressure in a Nationally Representative Sample: A Review of National Health and Nutrition Examination Survey (NHANES) Population-Based Data. Poster presentation: Pediatric Academic Societies Meeting, Vancouver, BC, April 24-28th 2013.

Invited Talks

1. Complex Heart Disease Case Conference Webinar, panelist. University of Maryland, Baltimore, MD (web-based), December 2, 2011.
2. Grand Rounds: Fetal Cardiology. Mercy Hospital, Baltimore, MD, March 2, 2012.
3. Case Presentations, Focus on the Fetal Heart. University of Maryland, Baltimore, MD, October 5, 2012.
4. Grand Rounds: Hypoplastic Left Heart Syndrome in the Current Era. University of Maryland, Baltimore, MD, December 6, 2012.

5. Grand Rounds: Fetal Cardiology. University of Maryland St Joseph's Medical Center, Towson, MD, December 13, 2012.
6. Grand Rounds: Hypoplastic Left Heart Syndrome in the Current Era. University of Maryland St. Joseph Medical Center, Towson, MD, June 8, 2013.
7. Medicine-Pediatric Resident noon conference: Single ventricle physiology, University of Maryland. May 29, 2014.
8. Grand Rounds: Ductal Dependent Physiology. Franklin Square Hospital, Baltimore, MD. September 11, 2015.
9. Franklin Square Maternal-Fetal Medicine Noon Conference: Fetal Cardiology Case Review. Franklin Square Hospital, Baltimore, MD, October 30, 2015.
10. Adult Cardiology Fellow Continuing Core Curriculum: Imaging of Cyanotic Congenital Heart Disease. University of Maryland Medical Center, Baltimore, MD. November 20, 2015.
11. Grand Rounds: Neurodevelopmental Outcomes in Congenital Heart Disease. Mercy Hospital, Baltimore, MD, February 5, 2016.
12. Grand Rounds: Neurodevelopmental Outcomes in Congenital Heart Disease. University of Maryland St. Joseph Medical Center, Towson, MD, March 3, 2016.