

CURRICULUM VITAE

Andrew Spearman MD

Assistant Professor
Department of Pediatrics
Division of Cardiology

OFFICE ADDRESS:

Children's Hospital
9000 W Wisconsin Ave
Milwaukee, WI 53226
Email: aspearman@mcw.edu

EDUCATION:

2004 - 2008 BS, Biology, The Ohio State University, Columbus, OH
2008 - 2012 MD, New York University School of Medicine, New York, NY

POSTGRADUATE TRAINING AND FELLOWSHIP APPOINTMENTS:

2012 - 2015 Pediatrics, University of Chicago, Chicago, IL
2015 - 2018 Pediatric Cardiology, Medical College of Wisconsin, Milwaukee, WI
2018 - 2019 Post-Doctoral Research Fellow, Vascular Biology, Medical College of Wisconsin

FACULTY APPOINTMENTS:

2018 - 2019 Instructor, Department of Pediatrics, Division of Cardiology, Medical College of Wisconsin, Milwaukee, WI
2019 - Present Assistant Professor, Department of Pediatrics, Division of Cardiology, Medical College of Wisconsin, Milwaukee, WI

SPECIALTY BOARDS AND CERTIFICATION:

<u>Board Certified</u>	<u>Issue Date</u>	<u>Expiration</u>
American Board of Pediatrics	2015	None
American Board of Pediatrics, Subspecialty Board for Cardiology	2018	None

MEMBERSHIPS IN HONORARY AND PROFESSIONAL SOCIETIES:

2012 - Present American Academy of Pediatrics
2018 - Present American Heart Association

EDITORSHIPS/EDITORIAL BOARDS/JOURNAL REVIEWS:

Journal Review
2018 - Present World Journal for Pediatric and Congenital Heart Surgery
2019 - Present Cardiology in the Young
2019 - Present Journal of the American Heart Association
2019 - Present American Journal of Physiology - Heart and Circulatory Physiology
2020 - Present PLOS ONE

RESEARCH GRANTS/AWARDS/CONTRACTS/PROJECTS:

Prior

Peer Review

Title: Candidate identification for the elusive hepatic factor
Source: Mend A Heart Foundation
Role: Co-PI
PI: Ramani Ramchandran, PhD
Dates: 2018 - 2019

INVITED LECTURES/WORKSHOPS/PRESENTATIONS:

Local

Clinical Case Presentation, S. Bert Litwin Lectureship, Children's Wisconsin, Milwaukee, WI, 2016
Adverse early life environment increases mRNA expression of genes involved in cardiac fibrosis, Children's Research Institute, Children's Wisconsin, Milwaukee, WI, 2017
Adverse maternal environment increases susceptibility to insulin resistance and cardiac fibrosis in adult mice, Children's Research Institute, Children's Wisconsin, Milwaukee, WI, 2018
Clinical Case Presentation, William Gallen Lectureship, Children's Wisconsin, Milwaukee, WI, 2018
Pulmonary arteriovenous malformations: a translational research perspective, William Gallen Lectureship, Children's Wisconsin, Milwaukee, WI, 2019
Hepatic factor and pulmonary AVMs: What do we know?, Herma Heart Institute - Quality, Outcomes, Research Seminar Series, Children's Wisconsin, Milwaukee, WI, 2020

International

Pulmonary arteriovenous malformations: a translational research perspective, Vasculata, North American Vascular Biology Association, Milwaukee, WI, 2019

PEER REVIEWED WORKSHOPS/PRESENTATIONS:

National

Spearman AD, Loomba RS, Danduran M, Kovach J., Intrauterine growth restriction is not associated with decreased exercise capacity in adolescents with congenital heart disease, American Academy of Pediatrics National Conference & Exhibition, Chicago, IL, 2017 - Present

International

Spearman AD, Linder JR, Williams P, Pediatric resident ECG interpretation and intervention abilities, Pediatric Academic Societies Meeting, San Diego, CA, 2015 - Present
Spearman AD, Ke X, Fu Q, Lane RH, Majnik A, Adverse early life environment increases mRNA expression of genes involved in cardiac fibrosis., Pediatric Academic Societies Meeting, San Francisco, CA, 2017 - Present
Spearman AD, Ke X, Fu Q, Lane RH, Majnik A., Adverse maternal environment increases susceptibility to cardiac fibrosis in adult mice, Pediatric Academic Societies Meeting, Toronto, Ontario, 2018 - Present

COMMITTEE SERVICE:

Medical College of Wisconsin

2018 Cardiovascular Center Research Retreat Abstract Selection Committee, Medical College of Wisconsin

Hospital

2017 - Present Pediatric Resident Intern Selection Committee, Pediatrics, Children's Wisconsin
2018 - Present Pediatric Cardiology Fellowship Selection Committee, Children's Wisconsin

BIBLIOGRAPHY

Refereed Journal Publications/Original Papers

1. Spearman AD, Sweet K, Zhou XP, McLennan J, Couch FJ, Toland AE. Clinically applicable models to characterize BRCA1 and BRCA2 variants of uncertain significance. *J Clin Oncol*. 2008 Nov 20;26(33):5393-400. PMID: PMC2651073
2. Dworkin AM, Spearman AD, Tseng SY, Sweet K, Toland AE. Methylation not a frequent "second hit" in tumors with germline BRCA mutations. *Fam Cancer*. 2009;8(4):339-46.
3. Spearman AD, Williams P. Supraventricular tachycardia in infancy and childhood. *Pediatr Ann*. 2014 Nov;43(11):456-60.
4. Spearman AD. Epigenetics for the pediatric cardiologist. *Congenit Heart Dis*. 2017 Dec;12(6):828-833.
5. Spearman AD, Loomba RS, Danduran M, Kovach J. Intrauterine growth restriction is not associated with decreased exercise capacity in adolescents with congenital heart disease. *Congenit Heart Dis*. 2018 May;13(3):369-376.
6. Spearman AD, Hraska V, Goot BH. Isolated Left Innominate Artery: Diagnosis of a Rare Aortic Arch Anomaly. *World J Pediatr Congenit Heart Surg*. 2018 11;9(6):708-709.
7. Spearman AD, Ke X, Fu Q, Lane RH, Majnik A. Adverse maternal environment leads to cardiac fibrosis in adult male mice. *Birth Defects Res*. 2018 12 01;110(20):1551-1555.
8. Spearman AD, Kindel SJ, Woods RK, Ginde S. Arteriovenous fistula creation for hypoxia after single ventricle palliation: A single-institution experience and literature review. *Congenit Heart Dis*. 2019 Nov;14(6):1199-1206.
9. Thirugnanam K, Cossette SM, Lu Q, Chowdhury SR, Harmann LM, Gupta A, Spearman AD, Sonin DL, Bordas M, Kumar SN, Pan AY, Simpson PM, Strande JL, Bishop E, Zou MH, Ramchandran R. Cardiomyocyte-Specific *Snrk* Prevents Inflammation in the Heart. *J Am Heart Assoc*. 2019 11 19;8(22):e012792. PMID: PMC6915262
10. Spearman AD, Ginde S. Pulmonary arteriovenous malformations in children with palliated univentricular CHD: our limited understanding persists. *Cardiol Young*. 2020 04;30(4):597-598.
11. Spearman AD, Gupta A, Pan AY, Gronseth EI, Thirugnanam K, Gudausky TM, Foerster SR, Ramchandran R. Hepatic Vein Blood Increases Lung Microvascular Angiogenesis and Endothelial Cell Survival-Toward an Understanding of Univentricular Circulation. *Semin Thorac Cardiovasc Surg*. 2020 May 07.
12. Spearman AD, Ginde S, Goot BH, Schaal AM, Feng M, Pan AY, Frommelt MA, Frommelt PC. Echocardiographic Identification of Pulmonary Artery Flow Reversal: An Indicator of Adverse Outcomes in Single Ventricle Physiology. *Pediatr Cardiol*. 2020 Jul 24.