

BIOGRAPHICAL SKETCH

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NAME Gail D. Pearson	POSITION TITLE Dir., Adult and Pediatric Cardiac Research Program Dir., Office of Clinical Research NHLBI		
eRA COMMONS USER NAME (credential, e.g., agency login)			
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	MM/YY	FIELD OF STUDY
University of Michigan	BA	12/73	Sociology
American University	MPA	6/78	Public Administration
Johns Hopkins School of Public Health	ScD	6/90	Health Economics/Policy
Johns Hopkins School of Medicine	MD	6/91	Medicine
Children's National Medical Center	Residency	7/91-6/94	Pediatrics
Children's National Medical Center	Fellowship	7/94-6/97	Pediatric Cardiology

A. Personal Statement

I am currently the Director of the Adult and Pediatric Cardiac Research Program and an Associate Director of the Division of Cardiovascular Sciences at NHLBI, the Director of NHLBI's Office of Clinical Research, and also an Adjunct Professor of Pediatrics at Children's National Medical Center. At NHLBI, I am responsible for basic, translational, and clinical research encompassing cardiac development and congenital heart disease, structural heart disease, heart failure, coronary artery disease, and arrhythmias. I oversee the activities of the [Pediatric Heart Network](#), established in 2001, and the [Bench to Bassinet program](#), a comprehensive translational research program in pediatric cardiovascular diseases. I am also been part of the team that developed the [Children and Clinical Studies](#) web site and campaign to inform parents about clinical research. In my role as Director of NHLBI's Office of Clinical Research, I am responsible for ensuring the appropriate stewardship of NHLBI-funded clinical research. Specific activities include overseeing NHLBI participation in Clinicaltrials.gov, developing and maintaining clinical research-related policies and standard operating procedures, developing the business model and requirements for a clinical research oversight data management and portfolio analysis system, and conducting leadership retreats and convening task forces to position NHLBI to address major contemporary clinical research issues. My research interests focus on clinical research in congenital and acquired pediatric cardiovascular disease. At Children's, I see outpatients in the Heart Institute, proctor a cardiology fellow's clinic, interpret echocardiograms, lead an educational conference for the fellows, and provide mentoring about research for fellows and junior faculty.

B. Positions and Honors

Positions and Employment

1976-1984	Assistant Director, Health Systems Agency of Northern Virginia
1997-2000	Medical Officer, NHLBI
2000-2006	Leader, Heart Development, Function and Failure Scientific Group, NHLBI
2006-2011	Chief, Heart Development and Structural Diseases Branch, NHLBI
2009-	Associate Director, Division of Cardiovascular Sciences, NHLBI
2013-	Director, Office of Clinical Research, NHLBI
1997-2006	Assistant Clinical Professor, Children's National Medical Center, Washington DC
2006-2011	Associate Clinical Professor, Children's National Medical Center, Washington DC
2011-	Adjunct Professor of Pediatrics, Children's National Medical Center, Washington DC

Other Experience and Professional Memberships

1998-	Fellow, American Academy of Pediatrics
1999-	Fellow, American College of Cardiology
2003-	Fellow, American Heart Association

Honors

2003, 2006	NIH Merit Award
2009	Distinguished Achievement Award, Cardiovascular Disease in the Young Council, AHA
2009	National Health Information Award, Children and Clinical Studies Web Site
2011	Society for Pediatric Research
2012	NIH Director's Award
2014	NHLBI Excellence in Mentorship Award
2015	Meritorious Achievement Award, Cardiovascular Disease in the Young Council, AHA

C. Selected Peer-reviewed Publications (Selected from 38 peer-reviewed publications)

1. Pearson GD, Veille J-C, Rahimtoola S, et al: Peripartum cardiomyopathy: National Heart, Lung, and Blood Institute and Office of Rare Diseases (National Institutes of Health) Workshop Recommendations and Review. *JAMA* 2000;283:1183-1188.
2. Williams RG, **Pearson GD**, Barst RJ, Child JS, del Nido P, Gersony WM, Kuehl KS, Landzberg MJ, Myerson M, Neish SR, Sahn DJ, Verstappen A, Warnes CA, Webb CL: Report of the NHLBI working group on research in adult congenital heart disease. *J Am Coll Cardiol* 2006;24(4):701-7. Epub 2006 Jan 26.
3. Mahony L, Sleeper LA, Anderson PAW, Gersony WM, McCrindle BW, Minich LL, Newburger JW, Saul JP, Vetter VL, **Pearson GD**, for the Pediatric Heart Network Investigators: The pediatric heart network: a primer for the conduct of multicenter studies in children with congenital and acquired heart disease. *Pediatr Cardiol* 2006;27(2):191-8.
4. Almond CSD, Chen EA, Berman MR, Less JR, Baldwin T, Linde-Feucht SR, Hoke TR, **Pearson GD**, Jenkins K, Duncan BW, Zuckerman BD: High-risk medical devices, children and the FDA: regulatory challenges facing pediatric mechanical circulatory support devices. *ASAIO Journal* 2007; 53:4-7.
5. Lacro RV, Dietz HC, Wruck LM, Bradley TJ, Colan SD, Devereux RB, Klein GL, Li JS, Minich LL, Paridon SM, **Pearson GD**, Printz BF, Pyeritz RE, Radojewski E, Roman MJ, Saul JP, Stylianou MP, Mahony L for the Pediatric Heart Network Investigators: Rationale and design of a randomized clinical trial of beta blocker therapy (atenolol) vs. angiotensin II receptor blocker therapy (losartan) in individuals with Marfan syndrome. *Am Heart J* 2007;154:624-31.
6. Ohye RG, Gaynor JW, Ghanayem NS, Goldberg CS, Laussen PC, Frommelt PC, Newburger JW, **Pearson GD**, Tabbutt S, Wernovsky G, Wruck LM, Atz AM, Colan SD, Jaggars J, McCrindle BW, Prakash A, Puchalski M, Sleeper LA, Stylianou MP, Mahony L for the Pediatric Heart Network Investigators: Design and rationale of a randomized trial comparing the Blalock-Taussig and right-ventricle-pulmonary artery shunts in the Norwood procedure. *J Thorac Cardiovasc Surg* 2008;136:968-75.
7. **Pearson GD**, Devereux R, Loeys B, Maslen C, Milewicz D, Pyeritz R, Ramirez F, Rifkin D, Sakai L, Svensson L, Wessels A, Van Eyck J, Dietz HC: Report of the National Heart, Lung, and Blood Institute and National Marfan Foundation Working Group on Research in Marfan Syndrome and Related Disorders. *Circulation* 2008;118:785-791.
8. Hsu D, **Pearson GD**: Heart failure in children, Part I: history, etiology, and pathophysiology. *Circ Heart Fail* 2009;2:63-70.
9. Hsu D, **Pearson GD**: Heart failure in children, Part II: diagnosis, treatment, and future directions. *Circ Heart Fail* 2009;2:490-498
10. Pemberton VL, Kaltman JR, **Pearson GD**: Children and clinical studies: the National Heart, Lung, and Blood Institute's new multimedia resource for pediatric research. *J Am Coll Cardiol* 2009;54:503-504.
11. Kaltman JR, Schramm C, **Pearson GD**: The National Heart, Lung, and Blood Institute Bench to Bassinet Program: a new paradigm for translational research. *J Am Coll Cardiol* 2010;55(12):1262-5.
12. Williams RV, Ravishankar C, Zak V, Evans F, Atz AM, Border WL, Levine J, Li JS, Mahony L, Mital S, **Pearson GD**, Prakash A, Hsu DT, for the Pediatric Heart Network Investigators. Birth weight and prematurity in infants with single ventricle physiology: Pediatric Heart Network Infant Single Ventricle trial screened population. *Congenit Heart Dis* 2010;5:96-103.
13. Roberts JM, Myatt L, Spong CY, Thom EA, Hauth JC, Leveno KJ, **Pearson GD**, Wapner RJ, Varner MW, Thorp JM, Mercer BM, Peaceman AM, Ramin SM, Carpenter MW, Samuels P, Sciscione A, Harper M, Smith WJ, Saade G, Sorokin Y, Anderson BG for the Eunice Kennedy Shriver National Institute of Child Health and Human Development Maternal-Fetal Medicine Units Network. Vitamins C and E to prevent complications of pregnancy-associated hypertension. *N Engl J Med* 2010;362:1282-91.
14. Ohye RG, Sleeper LA, Mahony L, Newburger JW, **Pearson GD**, Lu M, Goldberg C, Tabbutt S, Frommelt PC, Ghanayem NS, Laussen PC, Rhodes JF, Lewis AB, Mital S, Ravishankar C, Williams IA, Dunbar-Masterson C, Atz AM, Colan S, Minich LL, Pizarro C, Kanter K, Jaggars J, Jacobs JP, Krawczeski CD, Pike N, McCrindle BW, Virzi L, Gaynor JW for the Pediatric Heart Network Investigators. Hypoplastic left heart – shunt type in infants undergoing the Norwood procedure. *N Engl J Med*, 2010;362:1980-92.
15. Hsu DT, Zak V, Mahony L, Sleeper LA, Atz AM, Levine JC, Barker PC, Ravishankar C, McCrindle BW, Williams RV, Altmann K, Ghanayem NS, Margossian R, Chung WK, Border WL, **Pearson GD**, Stylianou MP, Mital S for

- the Pediatric Heart Network Investigators. Enalapril in infants with single ventricle: results of a multicenter randomized trial. *Circulation* 2010;122:333-40.
16. Atz AM, Trivison TG, Williams IA, **Pearson GD**, Laussen PC, Mahle WT, Cook AL, Kirsh JA, Sklansky M, Khaikin S, Goldberg C, Frommelt M, Krawczeski C, Puchalski MD, Jacobs JP, Baffa JM, Rychik J, Ohye RG for the Pediatric Heart Network Investigators: Prenatal diagnosis and risk factors for preoperative death in neonates with single right ventricle and systemic outflow obstruction: screening data from the Pediatric Heart Network Single Ventricle Reconstruction trial. *J Thorac Cardiovasc Surg* 2010;140:1245-50.
 17. Kaltman JR, Andropoulos DB, Checchia PA, Gaynor JW, Hoffman TM, Laussen PC, Ohye RG, **Pearson GD**, Pigula F, Tweddell J, Wernovsky G, del Nido P. Report of the Pediatric Heart Network and National Heart, Lung, and Blood Institute working group on the perioperative management of congenital heart disease. *Circulation* 2010;121:2766-2772.
 18. Hauth JC, Clifton RG, Roberts JM, Spong CY, Myatt L, Leveno KJ, **Pearson GD**, Varner MW, Thorp JM, Mercer BM, Peaceman AM, Ramin SM, Sciscione A, Harper M, Tolosa JE, Saade G, Sorokin Y, Anderson GB, for the Eunice Kennedy Shriver National Institute of Child Health and Human Development Maternal-Fetal Medicine Units Network: Vitamin C and E Supplementation to Prevent Spontaneous Preterm Birth. *Obstet Gynecol* 2010;116(3):653-8.
 19. Virzi L, Pemberton V, Ohye RG, Tabbutt S, Lu M, Atz TC, Barnard T, Dunbar-Masterson C, Ghanayem NS, Jacobs JP, Lambert LM, Lewis A, Pike N, Pizarro C, Radojewski E, Teitel D, Xu M, **Pearson GD**: Reporting adverse events in a surgical trial for complex congenital heart disease: the Pediatric Heart Network experience. *J Thorac Cardiovasc Surg*, ePub ahead of print March 11, 2011.
 20. Frommelt PC, Guey LT, Minich LL, Bhat M, Bradley T, Colan SD, Ensing G, Gorentz J, Heydarian H, Blaine J, Lai WW, Levine J, Mahle WT, Miller S, Ohye RG, **Pearson GD**, Shirali GS, Wong P, Cohen MS for the Pediatric Heart Network Investigators; Does initial shunt type for the Norwood procedure impact echocardiographic measures of cardiac size and function during infancy? The Single Ventricle Reconstruction trial. *Circ*, 2012;125:2630-8.
 21. Pasquali SK, Ohye RG, Lu M, Kaltman J, Caldarone CA, Pizarro C, Dunbar-Masterson C, Gaynor JW, Jacobs JP, Kaza AK, Newburger JW, Rhodes JF, Scheurer M, Silver E, Sleeper LA, Tabbutt S, Tweddell J, Uzark K, Wells W, Mahle WT, Pearson GD for the Pediatric Heart Network Investigators: Variation in perioperative care across centers for infants undergoing the Norwood procedure. *J Thorac Cardiovasc Surg* 2012;Oct;144(4):915-21.
 22. Frommelt PC, Gerstenberger E, Baffa J, Border WL, Bradley TJ, Colan S, Gorentz J, Heydarian H, John BJ, Lai WW, Levine J, Lu JC, McCandless RT, Miller S, Nutting A, Ohye RG, Pearson GD, Wong PC, Cohen MS for the Pediatric Heart Network Investigators: Doppler flow patterns in the right ventricle-to-pulmonary artery shunt and neo-aorta in infants with single right ventricle anomalies: impact on outcome after initial staged palliations. *J Am Soc Echocardiogr* 2013;26(5):521-9.
 23. Selamet-Tierney ES, Levine JC, Chen S, Bradley TJ, Pearson GD, Colan SD, Sleeper LA, Campbell MJ, Cohen MS, DeBacker J, Guey LT, Heydarian H, Lai WW, Lewin MB, Marcus E, Mart CR, Pignatelli RH, Printz BF, Sharkey AM, Shirali GS, Srivastava S, Lacro RV for the Pediatric Heart Network Investigators: Echocardiographic methods, quality review, and measurement accuracy in a randomized multicenter clinical trial of Marfan syndrome. *J Am Soc Echocardiogr* 2013;26(6):657-66.
 24. Lacro RV, Guey LT, Dietz HC, Pearson GD, Yetman AT, Gelb BD, Loeys BL, Benson DW, Bradley TJ, De Backer J, Forbus GA, Klein GL, Lai WW, Levine JC, Lewin MB, Markham LW, Paridon SM, Pierpont ME, Radojewski E, Selamet-Tierney ES, Sharkey AM, Wechsler SB, Mahony L: Characteristics of children and young adults with Marfan syndrome and aortic root dilation in a randomized trial comparing atenolol and losartan therapy. *Am Heart J* 2013;165:828-835.e3.
 25. Newburger JW, Sleeper LA, Frommelt PC, Pearson GD, Mahle WT, Chen S, Dunbar-Masterson C, Mital S, Williams IA, Ghanayem NS, Goldberg CS, Jacobs JP, Krawczewski CD, Lewis AB, Pasquali SK, Pizarro C, Gruber PJ, Ata AM, Khaikin S, Gaynor JW, Ohye RG for the Pediatric Heart Network Investigators: Transplant-free survival and interventions at 3 years in the Single Ventricle Reconstruction trial. *Circ* 2014;129:2013-20.
 26. Lacro RV, Dietz HC, Sleeper LA, Yetman AT, Bradley TJ, Colan SD, Pearson GD, Selamet Tierney ES, Levine JC, Atz AM, Benson DW, Braverman AC, Chen S, De Backer J, Gelb BD, Grossfeld PD, Klein GL, Lai WW, Liou A, Loeys BL, Markham LW, Olson AK, Paridon SM, Pemberton VL, Pierpont ME, Pyeritz RE, Radojewski E, Roman MJ, Sharkey AM, Stylianou MP, Burns Wechsler S, Young LT, Mahony L for the Pediatric Heart Network Investigators: Atenolol versus losartan in children and young adults with Marfan's syndrome. *N Engl J Med* 2014;371:2061-2071.
 27. Holcomb JB, Tilley BC, Baraniuk S, Fox EE, Wade CE, Podbielski JM, del Junco CJ, Brasel KJ, Bulger EM, Callcut RA, Cohen MJ, Cotton BA, Fabian TC, Inaba K, Kerby JD, Muskat P, O'Keefe T, Rizoli S, Robinson BRH, Scalea TM, Schreiber MA, Stein DM, Weinberg JA, Callum JL, Hess JR, Matijevic N, Miller CN, Pittet J-F, Hoyt DB, Pearson GD, Leroux B, van Belle G and the PROPPR Study Group: Safety and effectiveness of damage control resuscitation: results of the Pragmatic, Randomized Optimal Platelet and Plasma Ratios (PROPPR) Trial. *JAMA* 2015;313(5):471-482.
 28. Marceau LD, Welch LC, Pemberton VL, Pearson GD: Educating parents about pediatric research: Children and Clinical Studies website qualitative evaluation. *Qualitative Health Research* 2015;epub Dec 2015.