

CURRICULUM VITAE

Name James Clifford Huhta, M.D.

Address USF Children's Research Institute
801 6th Street South, Dept. 9365
St. Petersburg, FL 33701

Present Academic and Hospital Appointments

2000- Medical Director, Pediatric Noninvasive Laboratories, All Children's Hospital
2003- Professor of Pediatrics and Obstetrics and Gynecology, University of South
Florida College of Medicine
Daicoff-Andrews Chair in Perinatal Cardiology
2004 Interim Chief of Cardiology, Department of Pediatrics, USF
2006 Medical Director, Pediatric Noninvasive Laboratories, Tampa General Hospital
2008 Adjunct Prof. of Pediatrics and Obstetrics, University of Tromso, Tromso, Norway

Education

1971 BS, Electrical Engineering (Honors), University of Wisconsin, Madison
1972 MS, Biomedical Engineering, University of Michigan
1976 MD, University of Wisconsin, Madison
1976 - 78 Internship and Residency, Pediatrics, University of Alabama Children's
Hospital, Birmingham
1978 - 81 Fellowship, Pediatric Cardiology, Mayo Clinic
1981 - 82 Honorary Senior Registrar, Hospital for Sick Children, Great Ormond
Street, London, England

Honors and Awards

1970 Phi Kappa Phi Honor Society, University of Wisconsin
1970 Exchange student to Institute of Technology of Monterrey, Monterrey, Mexico
1971 Harry A. Waisman Memorial Award (Pediatrics), University of Wisconsin
1972 NIH Fellowship, University of Michigan
1975 SAMA Research Finalist, AMA Convention, Atlantic City
1981 - 82 British Heart Foundation Overseas Fellowship
1981 - 82 Honorary Senior Registrar, Great Ormond Street Hospital for Children
1985 Elected Fellow, American Academy of Pediatrics
1983 Elected Fellow, American College of Cardiology
1984 Young Investigator Award Finalist, American Academy of Pediatrics
1984 Elected Corresponding Member, Association European Paediatric Cardiologists
1988 Elected member, Society of Pediatric Research
1990 Elected member, Philadelphia College of Physicians
1992 Cited as one of the outstanding pediatricians in the Delaware Valley
1993 Cited in Philadelphia Magazine's GUIDE TO HEALTHCARE-Delaware Valley
1993 Cited by Philadelphia Magazine as one of the 66 professionals "Cutting
Edge: Philadelphia-local Faces Changing the Face of America".
2002 Cited as one of the Best Bay Area Doctors-Tampa Bay Metro
2002 Honorary member of the section of Fetal Cardiology, Polish Ultrasound Society.
2003 Named as the Daicoff-Andrews Chair in Perinatal Cardiology

- 2004 Cited as one of the Best Bay Area Doctors-Tampa Bay Metro
- 2004 Elected member, American Pediatric Society
- 2005 Cited as one of the Best Bay Area Doctors-Tampa Bay Metro
- 2006 Elected honorary member of the Rotary International, Belize City Chapter, Belize
- 2006 Named Paul Harris Fellow of the Rotary Foundation of Rotary International
- 2006 Cited as one of the Best Bay Area Doctors-Tampa Bay Metro
- 2007 Cited as one of the Best Bay Area Doctors-Tampa Bay Metro

Specialty Board Certifications

- 1977 National Board of Medical Examiners #171504
- 1981 American Board of Pediatrics #25790
- 1983 Sub-Board of Pediatric Cardiology #649

Licensure

- 1983 State of Texas, Licensed Physician and Surgeon (G2726)
- 1996 State of Florida, Licensed Physician and Surgeon (#ME-0070686)

Previous Academic and Hospital Appointments

- 1980 - 81 Instructor of Pediatrics, Mayo Medical School
- 1982 - 85 Assistant Professor of Pediatrics, Baylor College of Medicine
- 1982 - 87 Cardiologist, Texas Children's Hospital, Houston, Texas
- 1985 - 87 Associate Professor of Pediatrics, Baylor College of Medicine
- 1986 - 87 Associate Professor of Obstetrics and Gynecology, Baylor College of Medicine
- 1986 - 87 Director, Echocardiography Lab, Texas Children's Hospital
- 1988 - 91 Professor of Pediatrics and Obstetrics and Gynecology
University of Pennsylvania School of Medicine
- 1988 - 90 Chief of Cardiology, Children's Hospital of Philadelphia
- 1988 - 91 Director, Fetal Echocardiography Laboratory, Children's Hospital of Philadelphia
- 1988 - 90 Cardiology Division Director, Pediatric Department University of Pennsylvania
- 1988 - 90 Cardiology Fellowship Training Program Director
- 1989 - 91 Executive Committee of the Medical Staff, Children's Hospital of Pennsylvania
- 1991 - 96 Clinical Professor of Pediatrics and Obstetrics and Gynecology, University of
Pennsylvania School of Medicine
- 1991 - 96 Director, Perinatal Cardiology, Pennsylvania Hospital
- 1991 - 96 Clinical Affiliate Cardiologist, Children's Hospital of Philadelphia
- 1991 - 96 Consulting Cardiologist, Abington Memorial Hospital
- 1992 - 96 Consulting Cardiologist, Crozer-Chester Medical Center
- 1989 - 96 Consulting Cardiologist, Lankenau Hospital
- 1992 - 96 Consulting Cardiologist, Chester County Hospital
- 1995 - 96 Consulting Cardiologist, Thomas Jefferson Hospital
- 1995 - 96 Consulting Cardiologist, West Jersey Hospital, Voorhees, New Jersey
- 1995 - 96 Consulting Cardiologist, Deborah Heart & Lung Center, Browns Mills, NJ
- 1996 - Pediatric Cardiologist, Tampa Children's Hospital
- 1996 - Consulting Cardiologist, University Community Hospital, Tampa, FL
- 1996 - Consulting Cardiologist, Tampa General Hospital, Tampa, FL
- 1996 -2000 Consulting Cardiologist, Town & Country Hospital, Tampa, FL
- 1996 - Cardiologist, All Children's Hospital, St. Petersburg, FL
- 1996 -2003 Consulting Cardiologist, Winter Haven Hospital, Winter Haven, FL
- 1996 - Consulting Cardiologist, Lakeland Regional Medical Center, Lakeland, FL

- 1996 - Consulting Cardiologist, Brandon Hospital, Brandon, FL
- 1996 - Consulting Cardiologist, Bay Front Hospital, St. Petersburg, FL
- 1996- Consulting Cardiologist, South Florida Baptist Hospital, Plant City, FL
- 1997- Consulting Cardiologist, Morton Plant-Mease, Dunedin, FL
- 1997- Consulting Cardiologist, Morton Plant-Mease, Clearwater, FL
- 1999- Clinical Professor of Pediatrics, University of South Florida College of Medicine
- 2000 - Consulting Cardiologist, Doctor's Hospital of Sarasota, FL
- 2000 - Consulting Cardiologist, Sarasota Memorial Hospital, FL
- 2001 - Consulting Cardiologist, Manatee Memorial, Bradenton, FL
- 2003- Consulting Cardiologist, Pasco Regional Medical Center, Dade City, FL
- 2003- Prof. of Obstetrics & Gynecology, Univ of South Florida, College of Medicine
- 2004- Interim Chief, Cardiology, USF Department of Pediatrics
- 2004- Cardiologist, Lakewood Ranch Medical Center, Bradenton, FL
- 2005- Consulting Cardiologist, Naples Community Hospital, Naples, FL

Other University Positions

- 1978 - 81 Laboratory Committee, Mayo Medical School
- 1988 - 90 Finance Committee, Pediatric Department, University of Pennsylvania
- 1989 - 90 Committee on Fellow Education, Pediatric Department, University of Pennsylvania
- 2004- 2007 Internal Advisor committee, Pediatric Clinical Research Center, All Children's Hospital
- 2007 Raymond Chair Search committee, Dept. of Pediatrics, USF.

Other Professional Activities

- 1992 Grant Reviewer, National Science Foundation
- 1991 - Grant Reviewer, NIH SBIR, Ultrasound Study Section
- 1994 Study Section Chair, NIH SBIR, Ultrasound Study Section
- 1993 Grant Reviewer, March of Dimes
- 1998 Study Section Chair, NIH SBIR, Ultrasound Study Section
- 1998-2004 Ethics committee member, St. Joseph's Hospital, Tampa
- 2000 Study Section Chair, NIH SBIR, Ultrasound Study Section
- 2003 Children's Medical Services Network Cardiac Subcommittee, Florida
- 2003 President, Florida Chapter of Children's Heart Foundation
- 2004-2005 Institutional Review Board, All Children's Hospital
- 2005- Grant reviewer for Children's Heart Foundation

Editorial Activities

- 1984 - Manuscript Referee, Circulation
- 1984 - Manuscript Referee, J. Am. College of Cardiology
- 1985 - Manuscript Referee, Am. Journal of Cardiology
- 1985 - Manuscript Referee, J. Clinical Ultrasound
- 1986 - Manuscript Referee, Pediatric Research
- 1987 - Manuscript Referee, Pediatric Cardiology
- 1990 - Manuscript Referee, J. Of Obstet. Gyn.
- 1988 - 93 Editorial Board, J. Am. College of Cardiology
- 1987 - Editorial Board, Echocardiography
- 1989 - 97 Editorial Board, Pediatric Cardiology
- 1991 - 96 Editorial Board, J. Maternal Fetal Investigation

1994 - 2000 Editorial Board, J. Ultrasound Obstet. Gyn
1994- Manuscript Referee, J. Ultrasound Obstet. Gyn
2002-2004 Editorial Board, Pediatric Ultrasound Today
2002 - Cardiology Section Editor, Current Opinion in Pediatrics

Other Medical Activities

1997- Medical Coordinator, Belize Rotarian Heart Project, Belize City, Belize. Yearly clinic and monthly consultations to organize surgical care for Belizean children; 4-5 children per year with cardiac defects brought to Tampa Bay for surgery through the Gift of Life Program of the Rotary International.
2000- Medical Consultant, Samaritan's Purse, Cardiac project, Clinics in Kosovo and Bosnia to evaluate children with heart defects.
2007 Medical consultant: Surgical team to Jamaica Children's Hospital

Professional Organizations Memberships and Positions

1982- American College of Cardiology
1983- American Academy of Pediatrics
1984- Association European Paediatric Cardiologists
1978- American Medical Association
1988 American Institute of Ultrasound in Medicine
1989 - 93 Board Member, American Society of Echocardiography
1993 - 94 Membership Committee, American Society of Echocardiography
1977- Christian Medical Society
1982- Society of Pediatric Echocardiography
1989 Committee on Physician Training, Society of Pediatric Echocardiography
1988- Society of Pediatric Research
1988- Society of Perinatal Obstetricians, Affiliate Member
1990- Philadelphia College of Physicians
1991- 93 American Heart Association, Chester County, Board of Directors
1993 Society of Cardiology of Colombia, Correspondent
1996- Hillsborough County Medical Society, Tampa, FL
2004- American Pediatric Society

Research Grants

1. New Investigator Research Award, National Institutes of Health Grant #IR23 HL3115301: "Non-invasive assessment of ductus arteriosus in neonates," \$85,746 for 12/1/83 - 12/1/86.
2. Biomedical Research Support Grant (BRSG), Baylor College of Medicine, Grant #11000: "Evaluation of the ductus arteriosus by echocardiography in the premature infant with hyaline membrane disease," \$6,400 for 1/1/84 - 1/1/85.
3. Texas Affiliate, American Heart Association, Grant #G-410: "Prostaglandin E1 in transposition of the great arteries," \$48,500 for 7/1/84 - 6/30/86.
4. Texas Affiliate, American Heart Association, Grant #G-410: "Prostaglandin E1 in transposition of the great arteries," \$49,104 for 7/1/86 - 6/30/88.
5. Delaware Affiliate, American Heart Association, "Doppler Correlates of Fetal Cardiovascular Disease: Assessment of Fetal Pulmonary Hypertension," \$19,000 for 7/1/88 - 6/30/89.
6. Kennett Foundation, "Perinatal Cardiology Fellow" \$25,000, 10/90 - 12/91.
7. Association of European Pediatric Cardiologists - Collaborative study between

- Pennsylvania and Lodz, Poland “Echocardiography of the Insulin Dependent Diabetic Mother” \$5,000 Swiss francs, 1994 - 1995.
8. U.S.- Polish Joint Commission on Science and Technology Grant #MZ/HH-94-186 “Fetal Echocardiology of the Insulin-Dependent Diabetic Mother” \$30,000 for 9/1/94 - 8/31/97.
 9. AHA Florida Affiliate, Fellowship grant for Jonathan Cohen \$3600 for research project “PDA Hemodynamics”
 10. Suncoast Foundation Huhta (PI) 8/04-8/06
Fetal Heart Screening Education \$15,000
A program of heart screening for CHD during routine fetal ultrasound examinations in the Tampa Bay Area is implemented with a trial of a new method for training Role: PI
 11. ACH/USF Pediatric Clinical Research Center, Huhta (PI) 8/04-8/06
Fetal Heart Screening Assessment R60 MC 00003-01 \$20,000
Training of obstetrical and radiology sonographers is performed with quantitative testing of the ability to obtain ultrasound views. Role: PI
 12. ACH/USF Pediatric Clinical Research Center, Huhta (PI) 8/04-8/06
Folic Acid and Congenital Heart Disease R60 MC 00003-01 \$20,000
A model of homocysteine excess in the mouse is developed to assessment the congenital heart defects by embryonic Doppler, high resolution MRI, and pathology. This project goal is defining the timing of critical sensitivity of the embryonic heart to exogenous homocysteine. Role: PI
 13. ACH/USF Pediatric Clinical Research Center, Huhta (PI) 8/05-8/06,
Folic Acid and Congenital Heart Disease: Supplemental trials R60 MC 00003-01 \$116,000. Folate supplementation of mothers with the MTHFR C to T mutation is performed with monitoring of the homocysteine effects. This project will define the ability of folate supplementation to lower homocysteine levels in pregnant and non-pregnant mothers with MTHFR mutations. Role: PI
 14. Florida AHA Grant in Aid
Fetal Cardiac Disease: Effects of Elevated Homocysteine on Early Heart Development: Monitoring of disturbed cardiac development in chick and mouse using embryonic Doppler techniques. \$50,000
PI: Kersti Linask Role: Consultant

Ongoing Research Support

15. NHLBI Huhta (PI) Florida, Contract, 9/05-9/07
Single Ventricle Reconstruction Trial
Pediatric Heart Network collaborative trial including 15 centers.
Role: PI, Florida sites
16. CLARINET All Children’s Hospital study PI..International study of oral Plavix to prevent neonatal Gortex shunt thrombosis, Initiated 7/2007 Role: PI

PUBLICATIONS

Peer-reviewed Papers

1. **Huhta JC**, Webster JG: Sixty hertz interference in electrocardiography. IEEE Trans. Biomedical Engineering 20:91-101, 1973.

2. Friedman RB, Cheung S, Entine S, **Huhta JC**: Implementation of a low-cost dual voice response system.(DUVO) *Comput Biomed Res.* 10:585-93, 1977.
3. Friedman RB, **Huhta JC**, Cheung S: An automated verbal medical history system. *Arch Intern Med* 138:1359-61, 1978.
4. **Huhta JC**, Edwards WD, Danielson GK: Supravalvular mitral ridge containing the dominant left circumflex coronary artery. *J Thorac Cardiovasc Surg* 81:577-79, 1981.
5. **Huhta JC**, Piehler JM, Tajik AJ, Hagler DJ, Mair DD, Julsrud PR, Seward JB: Two-dimensional echocardiographic detection and measurement of the right pulmonary artery in pulmonary atresia-ventricular septal defect: Angiographic and surgical correlation. *Am J Cardiol* 49:1235-1240, 1982.
6. **Huhta JC**, Edwards WD, Danielson GK, Feldt RH: Abnormalities of the tricuspid in complete transposition of the great vessels with ventricular septal defect. *J Thorac Cardiovasc Surg* 83:569-76, 1982.
7. **Huhta JC**, Edwards WD, Feldt RH, Puga FJ: Left ventricular wall thickness in complete transposition of the great arteries. *J Thorac Cardiovasc Surg* 84:97-101, 1982.
8. **Huhta JC**, Edwards WD, Tajik AJ, Mair DD, Puga FJ, Ritter DG: Pulmonary atresia with intact ventricular septum, Ebstein's anomaly of hypoplastic tricuspid valve, and double-chamber right ventricle: Two dimensional echocardiographic anatomic correlation. *Mayo Clin Pro* 1982; 57:515-519.
9. **Huhta JC**, Smallhorn JF, Macartney FJ: Two-dimensional echocardiographic diagnosis of situs. *Br Heart J* 48:97-108, 1982.
10. **Huhta JC**, Hagler DJ, Seward JB, Tajik AJ, Julsrud PR, Ritter DG: Two-dimensional echocardiographic assessment of dextrocardia: a segmental approach. *Am J Cardiol* 50:1351-1360, 1982.
11. **Huhta JC**, Smallhorn JF, Macartney FJ, Anderson RH, de Leval M: Cross-sectional echocardiographic diagnosis of systemic venous return. *Br Heart J* 48:388-403, 1982.
12. Smallhorn JF, **Huhta JC**, Anderson RH, Macartney FJ: Suprasternal cross-sectional echocardiography in the assessment of patent ductus arteriosus. *Br Heart J* 48:321-330, 1982.
13. Smallhorn JR, **Huhta JC**, Adams PS, Anderson RH, Wilkinson JL, Macartney FJ: Cross-sectional echocardiographic assessment of coarctation in the sick neonate and infant. *Br Heart J* 50:349-361, 1983.
14. Macartney FJ, Schneider P, Tynan M, Smallhorn JF, **Huhta JC**, Deanfield JE, Anderson

RH Clinical diagnosis of atrial isomerism-significance of bronchial demonstration without contrast media *Kinderarztl Prax* 1982; 50: 245-52 German

15. **Huhta JC**, Maloney JD, Ritter DG, Ilstrup DM, Feldt RH: Complete atrioventricular block in patients with atrioventricular discordance. *Circulation* 67(6):1374-1377, 1983.
16. Stark J, Smallhorn J, **Huhta JC**, de Leval M, McCartney FJ, Rees PG, Taylor JFN: Surgery for congenital heart defects diagnosed with cross-sectional echocardiography. *Circulation* 68 (suppl II):II-129-138, 1983.
17. **Huhta JC**, Hagler DJ, Hill LM: Two-dimensional echocardiography normal fetal cardiac anatomy. *J Reprod Med* 29(3):162-167, 1984.
18. King DH, **Huhta JC**, Gutgesell HP, Ott DA: Two-dimensional echocardiographic diagnosis of anomalous origin of the right pulmonary artery from the aorta. Differentiation from aortopulmonary window. *J Am Coll Cardiol* 4(2):351-355, 1984.
19. **Huhta JC**, Smallhorn JF, Macartney FJ: Cross-sectional echocardiographic diagnosis of azygous continuation of the inferior vena cava. *Cathet Cardiovasc Diagn* 10(3):221-232, 1984.
20. **Huhta JC**, Cohen M, Gutgesell HP: Patency of the ductus arteriosus in normal neonates: Two-dimensional echocardiography versus Doppler assessment. *J Am Coll Cardiol* 4(2):561-564, 1984.
21. **Huhta JC**, Latson LA, Gutgesell HP, Cooley DA, Kearney DL: Echocardiography in the diagnosis and management of symptomatic aortic valve stenosis in infants. *Circulation* 70(3):438-444, 1984.
22. **Huhta JC**, Gutgesell HP, Latson LA, Huffines FD: Two-dimensional echocardiographic assessment of the aorta in infants and children with congenital heart disease. *Circulation* 70(3):417-424, 1984.
23. Gutgesell HP, **Huhta JC**, Cohen MH, Latson LA: Two-dimensional echocardiographic assessment of pulmonary artery and aortic arch anatomy in cyanotic infants. *J Am Coll Cardiol* 4(6):1242-1246, 1984.
24. Leoni F, **Huhta JC**, Stark J, Macartney FJ, Douglas JM: Effect of prostaglandin on early surgical mortality in obstructive lesions of the systemic circulation. *Br Heart J* 52(6):654-659, 1984.
25. **Huhta JC**, Seward JB, Tajik AJ, Hagler DJ, Edwards WD: Two-dimensional echocardiographic spectrum of univentricular atrioventricular connection. *J Am Coll Cardiol* 5(1):149-157, 1985.
26. Bass SE, **Huhta JC**, Nihill MR, Vargo TA, Hallman GL: Aortico-left ventricular tunnel

- with ventricular septal defect. Two-dimensional/Doppler echocardiographic diagnosis. *J Am Coll Cardiol* 55(3):757-760, 1985.
27. Gutgesell HP, **Huhta JC**, Latson LA, Huffines D, McNamara DG: Accuracy of two-dimensional echocardiography in the diagnosis of congenital heart disease. *Am J Cardiol* 55(5):514-518, 1985.
28. King DH, Danford DA, **Huhta JC**, Gutgesell HP: Non-invasive detection of anomalous origin of the left main coronary artery from the pulmonary trunk by pulsed Doppler echocardiography (Brief Report). *Am J Cardiol* 55(5):608-609, 1985.
29. King DH, Smith EO, **Huhta JC**, Gutgesell HP: Mitral and tricuspid valve annular diameter in normal children determined by two-dimensional echocardiography. *Am J Cardiol* 55(6):787-789, 1985.
30. Danford DA, **Huhta JC**, Gutgesell HP: Left ventricular wall stress and thickness in complete transposition of the great arteries: Implications for surgical intervention. *J Thorac Cardiovasc Surg* 89:610-615, 1985.
31. Vick GW, **Huhta JC**, Gutgesell HP: Assessment of the ductus arteriosus in preterm infants utilizing suprasternal two-dimensional/Doppler echocardiography. *J Am Coll Cardiol* 5(4):973-977, 1985.
32. Bricker JT, Latson LA, **Huhta JC**, Gutgesell HP: Echocardiographic evaluation of infective endocarditis in children. *Clin Pediatr* 24(6):312-317, 1985.
33. **Huhta JC**, Gutgesell HP, Nihill MR: Cross-sectional echocardiographic diagnosis of total anomalous pulmonary venous connection. *Br Heart J* 53:525-534, 1985.
34. Ott DA, Eren EE, **Huhta JC**, Gutgesell HP: Surgical treatment for the type II and III truncus: Complete division of the truncal root with primary repair using absorbable suture. *Ann Thorac Surg* 40(2):201-204, 1985.
35. **Huhta JC**, Danielson GK, Ritter DG, Ilstrup DM: Survival in atrioventricular discordance. *Pediatr Cardiol* 6:57-60, 1985.
36. Abinader EG, **Huhta JC**, Reiter A, Strasburger J, Carpenter RJ: The contribution of pulsed Doppler in the cardiac evaluation of the human fetus. *Israel J Med Sci*, 1985.
37. **Huhta JC**, Strasburger JF, Carpenter RJ, Reiter A, Abinader E. Pulsed Doppler fetal echocardiography. *J Clin Ultrasound* 13:247-254, 1985.
38. Rieter AA, **Huhta JC**, Carpenter RJ, Segall GK, Hawkins EP: Prenatal diagnosis of arteriovenous malformation of the vein of Galen. *J Clin Ultrasound* 14(8):623, 1985.
39. Reiter AA, **Huhta JC**, Carpenter RJ, Klima T: Prenatal diagnosis of endocardial

- fibroelastosis in monozygotic twin. *Journal of Cardiovascular Ultrasonography* 4(3):225-228, 1985.
40. Limacher MC, Gutgesell HP, Vick GW, Cohen MH, **Huhta JC**: Echocardiographic anatomy of the Eustachian valve. *Am J Cardiol* 57:363-5, 1986
 41. Murphy DJ Jr, Ludomirsky A, **Huhta JC**: Continuous wave Doppler in children with ventricular septal defect: Noninvasive estimation of interventricular pressure gradient. *Am J Cardiol* 57:428-432, 1986.
 42. Vargo TA, **Huhta JC**, Moore WH, Person DA, Edwards MS. Recurrent Kawasaki disease. *Pediatr Cardiol* 6:199-202, 1986.
 43. Ward KE, Mullins CE, **Huhta JC**, Nihill MR, McNamara DG, Cooley DA: Restrictive interatrial communication in total anomalous pulmonary venous connection. *Am J Cardiol* 57:1131-1136, 1986.
 44. Strasburger JF, **Huhta JC**, Carpenter RJ, Garson A Jr, McNamara DG: Doppler echocardiographic diagnosis and management of persistent fetal arrhythmias. *J Am Coll Cardiol* 7(6), 1386-1381, 1986.
 45. Bash SE, **Huhta JC**, Vick GW, Gutgesell HP: Hypoplastic left heart syndrome: Is echocardiography accurate enough to guide surgical palliation? *J Am Coll Cardiol* 7:610-616, 1986.
 46. Rokey R, Murphy DJ, Nielson AP, Abinader EG, **Huhta JC**, Quinones MA: Detection of diastolic atrioventricular valvular regurgitation by pulsed Doppler echocardiography and its association with complete heart block. (Brief Reports) *Am J Cardiol* 57:692-694, 1986.
 47. Gutgesell HP, **Huhta JC**: Cardiac septation in atrioventricular canal defect. *J Am Coll Cardiol* 8(6), 1421-1424, 1986.
 48. Morrow WR, **Huhta JC**, Murphy DJ, McNamara DG: Quantitative morphology of the aortic arch in neonatal coarctation. *J Am Coll Cardiol* 8(3):616-620, 1986.
 49. O'Laughlin MP, **Huhta JC**, Murphy DJ: Ultrasound examination of extracardiac chest masses in children: Doppler diagnosis of vascular etiology. *J Ultrasound Med* 6:151-157, 1987.
 50. Murphy DJ, Vick GW, Ramsay JM, Danford DA, **Huhta JC**: Continuous wave Doppler echocardiography in patent ductus arteriosus. *J Cardiovas Ultrasonog* 6:273-278, 1987.
 51. Vick GW, Murphy DJ, Ludomirsky A, Morrow WR, Morriss MJ, Danford DA, **Huhta JC**: Pulmonary venous and systemic ventricular inflow obstruction patients with congenital

- heart disease: Detection by combined two-dimensional and Doppler echocardiography. *J Am Coll Cardiol* 9(3):580-587, 1987.
52. Ludomirsky A, **Huhta JC**, Vick GW, Murphy DJ, Danford DA, Morrow WR: Color Doppler detection of multiple ventricular septal defects. *Circulation* 74(6):1317-1322, 1986.
53. Ramsay JM, Murphy DJ, Vick GW, Courtney JT, Garcia-Prats JA, **Huhta JC**: Response of the patent ductus arteriosus to indomethacin treatment. *AJDC* 141:294-297, 1987.
54. **Huhta JC**, Moise KJ Jr, Fisher Sharif DS, Wasserstrum N, Martin C: Detection and quantitation of constriction of the fetal ductus arteriosus by Doppler echocardiography. *Circulation* 75(2):406-412, 1987.
55. Murphy DJ, **Huhta JC**: Doppler echocardiography in pulmonary stenosis. *Echocardiography* 4(3):187-202, 1987.
56. **Huhta, JC**, Carpenter, RJ, Moise, KJ, Deter, RL, Ott, DA, McNamara, DG: Prenatal diagnosis and postnatal management of critical aortic stenosis. *Circulation* 75(3): 573-576.
57. **Huhta JC**, Glasow P, Murphy DJ, Gutgesell HP, Ott DA, McNamara DG, O'Brian Smith E: Surgery without catheterization for congenital heart defects: Management of 100 Patients. *JACC* 9(4):823-829, April, 1987.
58. Towbin JA, **Huhta JC**: Anomalous course of the brachiocephalic vein diagnosed by two-dimensional echocardiography in a child with left atrial isomerism and right aortic arch. *JCU* 15:544-549, 1987.
59. Gutgesell HP, **Huhta JC**: Cardiac septation in atrioventricular canal defect. *JACC* 8(6):1421-4, 1988.
60. Morrow WR, Murphy DJ Jr, Fisher DJ, **Huhta JC**, Jefferson LS, and O'Brian Smith E: Continuous wave Doppler cardiac output: Use in pediatric patients receiving inotropic support. *Pediatric Cardiology*, 9:131-136, 1988.
61. Ludomirsky A, Danford DA, Glasow P, Blumenschein SD, Murphy DJ Jr, **Huhta JC**: Evaluation of coronary artery fistula by color-flow Doppler echocardiography. *Echocardiography* 4(4):383-386, 1987.
62. Glasow PF, **Huhta JC**, Yoon GY, Murphy DJ Jr, Danford DA, Ott DA: Surgery without angiography for neonates with aortic arch obstruction. *International Journal of Cardiology* 18:417-425, 1988.
63. Meyer RA, Hagler D, **Huhta JC**, Smallhorn J, Snider R, and Williams R: Guidelines for Physician Training in Pediatric Echocardiography. Recommendations of the Society of

- Pediatric Echocardiography Committee on Physician Training. *Am J Cardiol* 60:164-165, July 1987.
64. Mullins CE, Ludomirsky A, O'Laughlin MP, Vick GW III, Murphy DJ, **Huhta JC**, and Nihill MR: Balloon valvuloplasty for pulmonic valve stenosis - two year followup: Hemodynamic and Doppler evaluation. *Catheterization and Cardiovascular Diagnosis Journal*, 14:76-81, 1988.
 65. Kleinman CS, **Huhta JC**, Silverman NH: Doppler echocardiography in the human fetus. *J Am Soc Echocardiogr.* 1:287-290, 1988.
 66. **Huhta JC**, Gutgesell HP, Murphy DJ Jr, Ludomirsky A, and Judd VE: Segmental analysis of congenital heart disease. *Dynamic Cardiovascular Imaging J* 1(2):117-125, 1987.
 67. Greenberg F, Courtney KB, Wessels RA, **Huhta JC**, Carpenter RJ, Rich DC, Ledbetter DH: Prenatal diagnosis of deletion 17p13 associated with DiGeorge anomaly. *Am J Med Genet.* 31:1-4, 1988.
 68. Ingram MT, VonSegesser L, Ott DA, **Huhta JC**, Murphy DJ Jr., Senning repair for transposition of the great arteries without patch augmentation of the septum *J Thorac Cardiovasc Surg* 1988 96:485-7
 69. Marantz PM, **Huhta JC**, Mullins CE, et al: Results of balloon valvuloplasty in typical and dysplastic pulmonary valve stenosis: Doppler echocardiographic followup: *JACC* 12 No 2:476-9, 1988.
 70. Sharif DS, **Huhta JC**, Marantz P, Hawkins HK, Yoon GY: Two-dimensional echocardiographic determination of ventricular septal defect size: Correlation with autopsy. *Am Heart J* 117:1333-1336, 1989.
 71. Sharif DS, **Huhta JC**, Moise KJ, Morrow RW, Yoon GY: Changes in fetal hemodynamics with terbutaline treatment and premature labor. *J Clin Ultrasound* 18:85-89, 1990.
 72. Moise KJ, **Huhta JC**, Sharif DS, Ou CN, Kirshon B, Wasserstrum N, Cano L, Indomethacin in the treatment of premature labor: Effects on the fetal ductus arteriosus. *NEJM* 319:327-331, 1988.
 73. Tani L, Ludomirsky A, Murphy DJ, **Huhta JC**: Ventricular morphology: Echocardiographic evaluation of isolated ventricular inversion. *Echocardiography* 5:39-42, 1988.
 74. Kirshon B, Moise KJ, Wasserstrum N, Ching-Nan O, **Huhta JC**: Influence of short-term indomethacin therapy on fetal urine output. *Obstetrics and Gynecology* 72:51-53, 1988.

75. Cotton DB, Lee W, **Huhta JC**, Dorman K: Hemodynamic profile of severe pregnancy-induced hypertension. *Am J Ob and Gyn* 158:523-529, 1988.
76. Mari G, Moise KJ, Deter RL, Kirshon B, Carpenter RJ, **Huhta JC**: Doppler assessment of the pulsatility index in the cerebral circulation of the human fetus. *Am J Obstet Gyn* 160:698-703, 1989.
77. Mari G, Moise KJ, **Huhta JC**: Doppler assessment of the cerebral circulation during constriction of the ductus arteriosus following indomethacin therapy. *Am J Obstet Gyn* 161:1528-31, 1989.
78. **Huhta JC**, Helton JG, Wood DC, Respondek M, Yoon GY: Color flow mapping in the detection of fetal hemodynamic abnormalities. *Dynamic Cardiovascular Imaging* 2:30-32, 1989.
79. Khan MA, Al-Yousef S, **Huhta JC**, Bricker JT, Mullins CE, Sawyer W: Critical pulmonary valve stenosis in patients below one year: Treatment with percutaneous gradational balloon pulmonary valvuloplasty. *Am Heart J* 117:1008-1014, 1989.
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25. Tulzer G, **Huhta JC** Chapter 21 Evaluierung des Cardiac-Outputs and der kardialen Dekompensation in Dopplersonographie in Geburtshilfe und Gynakologie, p. 203-209,

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Letters to the Editor

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2. **Huhta JC**, Smallhorn JF, de Leval MR, Macartney FJ: Tricuspid valve abnormalities in DORV with subpulmonic VSD (Letter to the Editor). J Thorac Cardiovasc Surg 84:154-5, 1982.
3. **Huhta JC**, Vick GW, Carpenter RA, Gutgesell HP: Transient neonatal tricuspid regurgitation: Possible relation with premature closure of the ductus arteriosus. (Letter to the Editor) J Am Coll Cardiol 4(3):651, 1984.
4. **Huhta JC**, Calculating pulmonary vascular resistance in children with congenital heart disease (Letter to the editor) J Am Coll Cardiol 4(5):1071, 1984.
5. Murphy DJ, **Huhta JC**, Treatment of Kawasaki Syndrome with Intravenous Gamma Globulin. (Letter to editor) New Engl J Med 316 (14), 1987.
6. Moise KJ, **Huhta JC**, Mari G, Indomethacin in preterm labor (Letter to editor), NEJM, 1989.
7. Tulzer G, Hofstadler G, **Huhta JC**: Reply: Spontaneous closure of the human fetal ductus arteriosus - A cause of fetal congestive heart failure. American Journal of Obstetrics and Gynecology 1997
8. Baumgart S, Paul JJ, **Huhta JC**. (Letter to editor) Left heart hypoplasia in neonates having congenital diaphragmatic hernia and treated with ECMO. J Pediatr Surg. 1998 Dec;33(12):1848.

Teaching Positions

1981	Course Faculty, Paediatric Echocardiography Workshop, Birmingham, England
1982	Course Faculty, Echocardiography Course, London, United Kingdom
1982	Course Faculty Data Processing in Cardiology, 2nd Leeds Symposium, York, United Kingdom
1983	Course Faculty, Pediatric Postgraduate Symposium on Cardiology, Houston, Texas
1983	Course Faculty, Baylor Family Practice Review Course, Houston, Texas
1986	Course Faculty, International Meeting of Pediatric Cardiology, Parma, Italy
1986	Course Faculty, New Trends in Echocardiology International Congress, Padova, Italy

- 1985 Course Faculty, 2nd Argentine Congress of Pediatric Cardiology, Buenos Aires, Argentina
- 1986 Course Faculty, First International Course- Doppler Echocardiography, Mexico City, DF
- 1987 Course Faculty, 4th Corso internazionale teorico-pratico di ecocardiografia Doppler a colori ed ermodinamica pediatrica, Vicenza
- 1987 Third Annual Symposium 2-D/Doppler and Color Flow Imaging in Congenital Heart Disease, Rochester, Minnesota
- 1987 Course Faculty, Update in Echocardiography Course, Massachusetts General Hospital, Boston, Massachusetts, October 21 - 24, 1987
- 1987 Course Faculty, Fetal Cardiology, Anaheim, California
- 1988 Course Faculty, Fetal Cardiology, Lisbon, Portugal
- 1989 Course Faculty, Cleveland Clinical Echo Doppler and Color Doppler Symposium, Fort Lauderdale, Florida
- 1989 Course Faculty, Brazilian Congress of Cardiology and the Inter-American Congress of Cardiology, Rio de Janeiro
- 1989 Course Faculty, Echocardiography Course, Parma, Italy
- 1989 Course Faculty, American College of Cardiology Learning Center, Bethesda
- 1989 Course Faculty, Fetal Cardiology, World Congress of Pediatric Cardiology, Bangkok, Thailand
- 1990 – 96 Lecturer, Embryology, University of Pennsylvania School of Medicine
- 1990 Course Faculty, Fetal Cardiology, Institute of Cardiology, Mexico City, Mexico
- 1990 Course Faculty, Conotruncal Malformations: Fetus to Adult, Rome, Italy
- 1991 Course Faculty, Pediatric Cardiology, Long Island, New York
- 1991 Course Co-Director and Faculty, Fetal Cardiology, Malmo, Sweden
- 1992 Course Faculty, Bergamoecho, Bergamo, Italy
- 1992 Course Faculty, Doppler in the Fetus, Lech, Austria
- 1992 Course Faculty, Fetal Cardiology, Dallas, Texas
- 1992 Course Faculty, 4th Brazilian Congress of Echocardiography
- 1992 Course Faculty, Perinatal Medicine Symposium, University of Ottawa, Canada
- 1993 Course Faculty, Doppler in the Fetus, Lech, Austria
- 1993 Course Faculty, Symposium on Fetal Echo, Stamford, Connecticut
- 1994 Course Faculty, Symposium on Fetal Echo, Tarrytown, New York
- 1994 Course Faculty, Doppler in the Fetus, Lech, Austria
- 1994 Course Organizer, Lecture Series on Fetal Echocardiography, Beijing, Xian, and Shanghai, People's Republic of China
- 1994 Course Organizer, Fetal Echocardiography the 8th Congress of the Federation of the Asia/Oceania Societies, Taipei, Taiwan
- 1994 Course Organizer, Fetal Echocardiography, two-day CME course, Thomas Jefferson University Hospital, October
- 1994 Course Organizer, Doppler in the Fetus, Lech, Austria
- 1995 Course Faculty, Doppler in the Fetus, Lech, Austria
- 1995 Course Organizer, Fetal Echocardiography, two-day CME course, Thomas Jefferson University Hospital, March, June, October and February 1996
- 1996 Course Faculty, Doppler in the Fetus, Lech, Austria
- 1996 Course Director, Pediatric Echocardiography, Arnold Palmer, Orlando, FL

1997 Course Director, Pediatric Echocardiography, September 1997, Tampa, FL

1997 Course Faculty, Doppler in the Fetus, Lech, Austria

1998 Course Director, Clinical Echocardiography 1998, Tampa, FL

1998 Course Faculty, Doppler in the Fetus, Lech, Austria

2000 Course Faculty, Doppler in the Fetus, Lech, Austria

2000 Course Director, Echocardiography, All Children's Hospital, St. Petersburg, FL

2000 Course Faculty, Co-Director, Fetal Echo, Miami, FL

2001 Course Faculty, Doppler in the fetus, Lech, Austria

2001 Course Director, Echocardiography, USF, Tampa Florida

2002 Course Director "Pediatric Echocardiography-with anatomic, surgical and pathologic correlation, Jan. 30-Feb.2, 2002, St. Petersburg, FL

2002 Course Faculty, Doppler in the fetus, Lech, Austria

2003 Course Director, Controversies of Hypoplastic Left Heart Syndrome, 3rd International Symposium on Congenital Heart Disease with Echocardiographic, Anatomic, Surgical, and Pathologic Correlation, Feb. 15-18, 2003

2003 Course Faculty, Doppler in the Fetus, Lech, Austria

2003 Course Director, 1st Annual Advances in Perinatal Cardiology, Oct. 30-31, 2003, St. Petersburg, FL.

2004 Course Director, Controversies of Switch, Ross, and RV outflow operations, 4th International Symposium on Congenital Heart Disease with Echocardiographic, Anatomic, Surgical, and Pathologic Correlation, Feb. 13-17, 2004

2004 Course Faculty, Doppler in the Fetus, Lech, Austria

2004 Course Director, 2nd Annual Advances in Perinatal Cardiology, Oct. 14-15, 2004, St. Petersburg, FL

2005 Course Director, Controversies of Switch, Ross, and RV outflow operations, 5th International Symposium on Congenital Heart Disease with Echocardiographic, Anatomic, Surgical, and Pathologic Correlation, Feb. 13-17, 2005

2005 Course Director, 3rd Annual Advances in Perinatal Cardiology, Oct. 19-21, 2005, St. Petersburg, FL

2005 Medical Student Colloquium, The fetus as a heart patient-USF, 10 hour course, Fall Semester.

2006 Course Faculty, Doppler in the Fetus, Lech, Austria

2006- Faculty, Congenital Heart Disease Special Focus Group, 26th Annual Meeting of the Society of Maternal Fetal Medicine, Feb. 2, 2006, Miami, Florida

2006 Course Director, Controversies of AV valve anomalies, 6th International Symposium on Congenital Heart Disease with Echocardiographic, Anatomic, Surgical, and Pathologic Correlation, Feb. 18-22, 2006

2006 Course Faculty, Tromso Course on Perinatal Cardiology, 27-29 March, 2006

2006 Course Faculty, 15th Annual Course in Pediatric Cardiology, Parma, Italy

2006 Course Faculty, Programa Primer Simposio de Medicina Materno Fetal Hospital Universitario Infantil de San Jose, Bogota, Colombia, 14-15 de Julio 2006

2006 Course Faculty, 22nd Annual Echocardiography in Pediatric and Adult Congenital Heart Disease, Mayo Clinic, Rochester, Minnesota

2006 Course Director, 4th Annual Advances in Perinatal Cardiology, Nov. 16-18, 2006, All Children's Hospital, St. Petersburg, FL

- Medical student Colloquium, The fetus as a heart patient-USF, 10 hour course,
Fall Semester
- Course Faculty, The Second International Conference-Heart Failure in Children
and Young Adults, November 28-Dec. 2, 2006, Laguna Niguel, CA “Fetal Heart
Failure and Diagnosis/Therapy”
- Course Faculty, AIUM Fetal Echo Ultrasound: A Comprehensive Update “The
Role of Functional Fetal Echocardiography in Pregnancy Complications and Fetal
Disease” Dec. 8-10, 2006, Las Vegas, NV
- Faculty, Congenital Heart Disease - Special Focus Group, 27th Annual Meeting of
Society of Maternal Fetal Medicine, Feb. 2, 2007, San Francisco
- 2007 Course Director, 5th Annual Advances in Perinatal Cardiology, Oct.11-13, 2007,
All Children’s Hospital, St. Petersburg, FL
- 2008 Medical student Colloquium, The fetus as a heart patient-USF, 10 hour course,
Fall Semester
- 2008 Faculty, Cardiology 2008-11th Annual Update on Pediatric Cardiovascular
Disease”, Children’s Hospital of Philadelphia Course, Scottsdale, AZ,
February, 2008,
- 2009 Course Co-Director, Controversies of Tetralogy of Fallot, 8th International
Symposium on Congenital Heart Disease with Echocardiographic, Anatomic,
Surgical, and Pathologic Correlation, Feb. 16-20, 2008, All Children’s Hospital,
St. Petersburg, FL

PEER REVIEWED ABSTRACTS

1. **Huhta JC**, Friedman RG: A low cost voice response system for obtaining medical histories. Presented at ACEMB, Philadelphia, 1974.
2. **Huhta JC**, Hagler DJ, Bailey PB, Fish CR: Wide-angle two-dimensional echocardiographic assessment of fetal cardiac anatomy. Presented at American College of Cardiology, Houston, 1980.
3. **Huhta JC**, Piehler JM, Tajik AJ, Seward JB, Hagler DJ: Detection and measurement of the right pulmonary artery in pulmonary atresia-ventricular septal defect by two-dimensional echocardiography: Angiographic and surgical correlation. Presented at American Heart Association, Miami, 1980.
4. **Huhta JC**, Edwards WD, Feldt RH: Changes in left ventricular wall thickness in infants with complete transposition of the great arteries: An autopsy study. Presented at American Heart Association, Miami, 1980.
5. **Huhta JC**, Seward JB, Tajik AJ, Hagler DJ: Two-dimensional echocardiography spectrum of univentricular heart. Presented at American Heart Association, Dallas 1981.
6. **Huhta JC**, Hagler DJ, Seward JB, Tajik AJ, Ritter DG: Two-dimensional echocardiography in dextrocardia. Presented at American Heart Association, Dallas, 1981.
7. Smallhorn JF, **Huhta JC**, Anderson RH, Macartney FJ: Role of suprasternal two-dimensional echocardiography in the assessment of the neonate and infant with congenital heart disease. Presented at the British Cardiac Society, Nottingham, England, 1982.

8. **Huhta JC**, Smallhorn JFS, Macartney FJ: Two-dimensional echocardiographic diagnosis of systemic venous return. Presented at the British Paediatric Cardiology Group, Edinburgh, Scotland, 1982.
9. **Huhta JC**, Smallhorn JF, Macartney FJ: Two-dimensional echocardiographic diagnosis of situs. Presented at the 19th Annual General Meeting of the Association of European Paediatric Cardiologists, Amsterdam, 1982.
10. **Huhta JC**: Heart block in the natural history of atrioventricular discordance. Presented at the 19th Annual General Meeting of the Association of European Paediatric Cardiologists, Amsterdam, 1982.
11. Stark J, Smallhorn J, **Huhta JC**, de Leval M, Macartney F, Rees P, Taylor J: Surgery for congenital heart defects diagnosed with real-time echocardiography. American Heart Association, Dallas, 1982.
12. **Huhta JC**, Smallhorn JF, Macartney FJ: Cross-sectional echocardiographic diagnosis of azygous continuation of the inferior vena cava. Presented at the American Heart Association, Dallas, 1982.
13. **Huhta JC**, Gutgesell HP, Latson LA, Mullins CE, McNamara DG: Two-dimensional echocardiographic assessment of the aorta in infants and children with congenital heart disease. Presented at the American College of Cardiology, New Orleans, 1983.
14. **Huhta JC**, Gutgesell HP, Nihill MR, Latson LA: Two-dimensional echocardiographic diagnosis of total anomalous pulmonary venous connection. Presented at the American Academy of Pediatrics, Section of Cardiology, San Francisco, October 1983.
15. **Huhta JC**, Latson LA, Gutgesell HP: Two-dimensional echocardiographic diagnosis of critical aortic valve stenosis in infancy. Presented at the American Academy of Pediatrics, Section of Cardiology, San Francisco, October 1983.
16. Gutgesell HP, **Huhta JC**: Two-dimensional echocardiographic assessment of pulmonary artery and aortic arch anatomy in infants. American Heart Association, 56th Scientific Sessions, Anaheim, November 1983.
17. McCurnin D, King DH, **Huhta JC**, Gutgesell HP: Non-invasive evaluation of pulmonary artery pressure in children by pulsed Doppler and M-mode echocardiography. American Academy of Pediatrics, Section on Cardiology, Chicago, September 1984.
18. Strasburger JF, **Huhta JC**, Garson A, Carpenter RJ, Reiter A: Sustained fetal dysrhythmias: Doppler echocardiographic diagnosis and prognosis. American Academy of Pediatrics, Section on Cardiology, Chicago, September 1984. 5th World Congress on Ultrasound in Obstetrics and Gynecology, Kyoto, Japan, November 1995.
19. **Huhta JC**, Gutgesell HP: Ductus arteriosus morphology in transposition of the great arteries: Prostaglandin effects assessed by echocardiography. American Academy of Pediatrics, Section on Cardiology, Chicago, September 1984.
20. McCurnin D, King DH, **Huhta JC**, Gutgesell HP: Pulsed Doppler/M-mode echocardiographic evaluation of pulmonary artery pressure in children. American Heart Association, 57th Scientific Session, Miami, November 1984.
21. Gutgesell HP, **Huhta JC**: Atrial and ventricular contribution to cardiac septation in atrioventricular canal defect. American Heart Association, 57th Scientific Session, Miami, November 1984.
22. Bash SE, **Huhta JC**, Gutgesell HP, Ott DA: Echocardiography: Is it accurate enough to guide surgical palliation of hypoplastic left heart syndrome? American College of Cardiology, 34th Annual Scientific Session, Anaheim, March 1985.

23. **Huhta JC**, Strasburger JF, Carpenter Reiter A: Fetal echocardiography: Accuracy and limitations in the diagnosis of cardiac disease. American College of Cardiology, 34th Annual Scientific Session, Anaheim, March 1985.
24. Abinader E, **Huhta JC**, Reiter A, Strasburger J, Carpenter R: Pulsed Doppler echocardiography in the human fetus. XIII European Congress on Noninvasive Cardiovascular Dynamics, Brescia, Italy, April 1985.
25. **Huhta JC**, Gutgesell HP, Nihill MR, Seilheimer DK: Two-dimensional echocardiographic diagnosis of vascular ring in infancy. Second World Congress of Pediatric Cardiology, New York City, June 1985.
26. **Huhta JC**, Gutgesell HP, Ott DA, McNamara DG, Murphy DJ: Surgery without angiography in neonates and infants with congenital abnormalities of the aorta. Second World Congress of Pediatric Cardiology, New York City, June 1985.
27. Ludomirsky A, Murphy DJ, Bash SE, **Huhta JC**: Continuous wave Doppler estimation of ventricular septal defect gradient. Second World Congress of Pediatric Cardiology, New York City, June 1985.
28. Morrow R, **Huhta JC**, Murphy D: Quantitative morphology of the aortic arch in neonatal coarctation (poster session). Second World Congress of Pediatric Cardiology, New York City, June 1985.
29. **Huhta JC**, Murphy DJ, Ott DA, Reul GJ, Hallman GL, Cooley DA: Echocardiography in the preoperative evaluation of transposition of the great arteries and double outlet right ventricle. International Symposium on Cardiovascular Surgery, Texas Heart Institute, Houston, September 1985.
30. **Huhta JC**, Abdallah SA, Nihill MR, Murphy DJ: The hemodynamic effects of prostaglandin E1 in complete transposition of the great arteries. American Academy of Pediatrics Section of Cardiology, 27th Annual Meeting, San Antonio, October 1985.
31. Ludomirsky A, Vick GW, Morrow WR, **Huhta JC**, Murphy DJ: Two-dimensional color flow mapping for detection of multiple/muscular ventricular septal defect. American Heart Association, 58th Scientific Sessions, Washington DC, November 1985.
32. Vick GW, Murphy DJ, Ludomirsky A, Morrow WR, Moriss MJ, Danford DA, Mullins CE, **Huhta JC**: Pulmonary venous and systemic ventricular inflow obstruction in patients with congenital heart disease. Detection by combined two-dimensional and Doppler echocardiography. Presented by the Scientific Sessions of the 35th Annual Meeting of the American College of Cardiology, Atlanta Georgia, March 1986.
33. **Huhta JC**, Murphy DJ, Carpenter R: Pulsed Doppler diagnosis of atrioventricular valve insufficiency in utero. Presented at the 35th Annual Scientific Session of the American College of Cardiology, Atlanta Georgia, March 1986.
34. **Huhta JC**, Glasow P, Gutgesell HP, Murphy DJ, McNamara DG: Surgery for congenital heart disease with and without cardiac catheterization: An analysis of operative mortality. Annual General Meeting of the Association of European Pediatric Cardiologists, Dubrovnik, Yugoslavia, May 1986.
35. **Huhta JC**, Moise KJ, Carpenter RJ: The human ductus arteriosus: A physiologic constriction. Presented at the 13th Annual Conference of the Society for the Study of Fetal Physiology and the First International Christie Conference on Perinatal Development of the Heart and Lung. Banff, Alberta Canada, July 1986.
36. Yousef SA, Khan A, Nihill MR, **Huhta JC**, Fagih A: Erfolgreiche Perkutane Transluminale Doppelballondilatation Einer Zweifachen Cava Obstruktion nah Mustard-

- Korrektor. Annual Congress of the German Association for Pediatric Cardiology, August 1986.
37. Mayer DC, Danford DA, **Huhta JC**, Murphy DJ: Ventricular Filling Characteristics after Mustard or Senning procedures in transposition. Southeastern Pediatric Cardiology Society, Atlanta, Georgia, September 1986.
 38. **Huhta JC**, Glasow P, Murphy DJ, Ott DA, McNamara DG, Cooley DA: Preoperative echocardiography for congenital heart disease: 100 operative cases managed without catheterization, Texas Heart Institute Annual Meeting, Houston, Texas, September 1986.
 39. O'Laughlin MP, **Huhta JC**, Murphy DJ, Jr., Danford DA: Intrathoracic extracardiac masses in children: Two-dimensional/Doppler echocardiographic diagnosis of a vascular etiology. Presented at the 10th World Congress of Cardiology, Washington DC, September 1986.
 40. Ramsay JM, Vick GW III, Murphy DJ Jr., **Huhta JC**: The response to the indomethacin of the patent ductus arteriosus in premature infants and failure of indomethacin levels to predict complete closure. (Abstract) Australian Paediatric Journal 22(3):247, 1986.
 41. Moise KJ Jr, **Huhta JC**, Sharif DS, Kirshon B: Indomethacin in the treatment of preterm labor: Effects on the human fetal ductus arteriosus. Presented at the Society of Perinatal Obstetricians Seventh Annual Meeting, Lake Buena Vista, Florida, February 5-7, 1987.
 42. Cotton DB, Lee W, **Huhta JC**, Dorman K: Initial hemodynamic profile and left ventricular function in patients with severe pregnancy-induced hypertension. Presented at the Society of Perinatal Obstetricians Seventh Annual Meeting, Lake Buena Vista, Florida, February 5-7, 1987.
 43. Sharif DS, **Huhta JC**, Moise KJ Jr, Morrow WR: Changes in fetal hemodynamics with preterm labor and terbutaline. Presented at the Society of Perinatal Obstetricians Seventh Annual Meeting, Lake Buena Vista, Florida, February 5-7, 1987.
 44. **Huhta JC**, Fisher DJ, Moise KJ Jr, Wasserstrum N, Sharif DS: Doppler assessment of fetal ductus arteriosus constriction and pulmonary hypertension. Presented at the Society of Perinatal Obstetricians Seventh Annual Meeting, Lake Buena Vista, Florida, February 5-7, 1987.
 45. **Huhta JC**, Moise KJ Jr, Fisher DJ, Sharif DS, Wasserstrum N: Detection and quantitation of constriction of the fetal ductus arteriosus by Doppler echocardiography. Presented at the 36th Annual Scientific Session of the American College of Cardiology, New Orleans Louisiana, March 8-12, 1987.
 46. Sharif DS, **Huhta JC**, Mullins CE, Murphy DJ: Simultaneous catheter and CW Doppler pressure gradients with patent ductus arteriosus: PA pressure prediction. Presented at the 36th Annual Scientific Session of the American College of Cardiology, New Orleans Louisiana, March 8-12, 1987.
 47. Murphy DJ Jr., Ott DA, **Huhta JC**, Nihill MR, Colley DA: New concepts in diagnosis and management of infradiaphragmatic total anomalous pulmonary venous drainage. (Abstract) 1987. Cooley Society Meeting.
 48. Moise KJ, **Huhta JC**, Kirshon B, Sharif DS, Deter RL: Importance of prostaglandins in ductus arteriosus patency and renal function in the human fetus. 14th Annual Meeting of the Society for the Study of Fetal Physiology. Groningen, The Netherlands, July 1987.

49. **Huhta JC**, Moise KJ, Sharif DS: Human fetal ductus arteriosus constriction from nonsteroidal anti-inflammatory drugs. (Abstract) American Academy of Pediatrics, November 1987.
50. **Huhta JC**, Paridon SM, Mullins CE, Ott DA: Functional assessment of a hypoplastic right ventricle by simultaneous balloon test occlusion of atrial defect and palliative shunts. (Abstract) 25th Anniversary of the Texas Heart Institute, Cardiology and Cardiovascular Surgery: Interventions 1987, Houston, Texas, October 7-10, 1987.
51. **Huhta JC**, Moise KJ Jr, Sharif DS: Human fetal ductus arteriosus constriction from nonsteroidal anti-inflammatory drugs (Abstract, AJC September 1987). American Academy of Pediatrics, Cardiology Section, New Orleans Louisiana, October 30-November 1, 1987.
52. **Huhta JC**, Sharif DA, Moise KJ Jr: Normal fetal ventricular ejection velocity parameters by Doppler echocardiography. (Abstract, ADC, September 1987) American Academy of Pediatrics, Cardiology Section, New Orleans, Louisiana, October 30-November 1, 1987.
53. **Huhta JC** et al.: The Yearbook of Critical Care Medicine, ED MC Rogers, Yearbook Medical Publishers, Inc., 1988, Surgery without Catheterization for Congenital Heart Defects - Noninvasive Techniques.
54. Borges A, **Huhta JC**, et al: A/E Ratio in the Chick Embryo, Int'l Doppler Congress, Anaheim, April 1989, J Am Soc Echo 2:215, 1989.
55. Mari G, Moise KJ, Deter RL, Kirshon B, Carpenter RJ, **Huhta JC**: Doppler assessment of the pulsatility index in the cerebral circulation of the human fetus. Society of Perinatal Obstetricians, February 1989, New Orleans.
56. **Huhta JC**: Premature constriction of the ductus arteriosus, Symposium at the American Heart Association, Anaheim, March 1989.
57. Ludomirsky A, **Huhta JC**, Vick GW, Murphy DJ: Doppler assessment of neonatal aortic stenosis with ventricular dysfunction. Ped Res 25:241A.
58. **Huhta JC**, Respondek M, Borges, Wood DC, Yoon G: Fetal Doppler of the Left Pulmonary Artery. Poster Presentation, Session Chairman, "Fetal ductal constriction", Cardiac Symposium, Paris, September 1989.
59. **Huhta JC**, Borges A, Murdisen K, Wood DC, Yoon G: Valvular function during cardiac development, American Heart Association Poster Presentation, November 1989, New Orleans.
60. **Huhta JC**, Sharif DS: Doppler in the prognosis of fetal congestive heart failure. (Abstract) American College of Cardiology, New Orleans, 1989.
61. Chang A et al: In Utero transport for critical left ventricular outflow tract obstruction. (Abstract) The Third World Congress of Pediatric Cardiology, Bangkok, Thailand, November 1989.
62. Gudmundsson S, Wood DC, **Huhta JC**: Non-immune hydrops fetalis and Doppler recorded pulsations in the umbilical vein. J Am Soc Echo 3:234, 1990. Presented at the National Meeting, Washington DC, June 1990.
63. Tulzer G, Wood DC, Gudmundsson S, Rotondo K, **Huhta JC**: Hemodynamic effects of fetal ductal occlusion. J Am Soc Echocardiography 3:229, 1990.
64. **Huhta JC**, Tulzer G: Inferior vena caval Doppler in non-immune hydrops (Abstract). Presented at Assoc European Ped Card, Geneva, May 1991.
65. Tulzer G, **Huhta JC**: In vitro dP/dt, Poster at Assoc European Ped Card, Geneva, May 1991. Abstract in Pediatric Card issue.

66. Tulzer G, Gudmunsson S, Sharkey AM, Wood DC, **Huhta JC**: Doppler in the evaluation of fetuses with hypoplastic left heart syndrome, 4th Int'l Congress of the Perinatal Doppler Society, Malmo Sweden, J Matern Fetal Invest, August 1991.
67. Tulzer G, Gudmundsson S, Tews G, Wood DC, **Huhta JC**: Incidence of indomethacin-induced human fetal ductal constriction, Poster, 4th Int'l Congress of the Perinatal Doppler Society, Malmo Sweden, First Prize Poster, J Matern Fetal Invest, August 1991.
68. Khowsathit P, Zhi-Yun Tian, Wood DC, **Huhta JC**: Indomethacin causes placental vasodilation, Poster, 4th Int'l Congress of the Perinatal Doppler Society, Malmo, Sweden, J Matern Fetal Invest August 1991.
69. Khowsathit P, Zhi-Yun Tian, Wood DC, **Huhta JC**: Color Doppler versus pulsed Doppler in fetal tricuspid regurgitation, Poster, 4th Int'l Congress of the Perinatal Doppler Society, Malmo Sweden, J Matern Fetal Invest August 1991.
70. **Huhta JC**, Khowsathit P, Linask KK: Changes in ventricular filling with development: A mouse embryo model, Poster, 4th Int's Congress of the Perinatal Doppler Society, Malmo Sweden, Matern Fetal Invest August 1991.
71. Khowsathit P, **Huhta JC**, Linask K: Identification of the trisomy 16 murine embryo non-invasively with Doppler, Ped Res 31:35A, SPR Meeting, Baltimore Maryland, May 4-7, 1992.
72. Tulzer G, **Huhta JC**, Tews G, Gudmundsson S, Schmitt K: Fetuses with premature atrial contractions- should they be scanned for congenital heart disease? 5th Congress of International Perinatal Doppler Society, New York, J Matern Fetal Invest August 1991.
73. Tulzer G, Bsteh M, John D, Arzt W, Tews G, Schmitt K, **Huhta JC**: Effects of cigarette smoking on uterine and fetal cardiovascular Doppler parameters, International Perinatal Doppler Society, New York, J Matern Fetal Invest August 1992.
74. Tulzer G, Khowsathit P, Saemundur G, Wood D, Tews G, **Huhta JC**: Diastolic Function in the Fetus: A Doppler echocardiology study, Pediatric Cardiology Vol. 13, November 4, 1992.
75. Tolosa JE, Zoppini C, Ludomirshy A, Bhutani V. Weil SR, **Huhta JC**: Fetal hypertension and cardiac hypertrophy in the discordant twin syndrome, Am J Obstet Gynecol Abstract:292, 1993.
76. Bhutani VK, Tolosa J, Gerdes JS, Ludomirski A, Cieplinski JA, Weil S, Bowen FW, **Huhta JC**: Discordant twin syndrome and its association with fetal/neonatal hypertension and myocardial hypertrophy (Abstract) Pediatric Research Program Issue APS-SPR Vol. 33, No. 4/Part 2 April 1993.
77. Silva WJ, Abbasi S, **Huhta JC**, Weil SR, Bowen BW, Bhutani WV, Bolognese RJ: Evaluation of perinatal complications of tocolytic use of indomethacin (Abstract) Pediatric Research Program Issue APS-SPR 33:236A, April 1993.
78. Gerdes JS, Bhutani VK, Bowen FW, Weil SR, **Huhta JC**: Afterload reduction for hypertrophic cardiomyopathy and hypertension of twin-twin transfusion syndrome (Abstract) Pediatric Research Program Issue APS-SPR 33:246A, April 1993.
79. **Huhta JC**, Khowsathit P, Tian ZY, Wood D, Murdisen K, Borges A, Sharkey A: Embryonic cardiac Doppler (Abstract) presented at APS/SPR/APA Annual Meeting, Washington DC, May 6, 1993, Ped Res 33:22A, 1993.
80. **Huhta JC**, Khowsathit P, Tian Z, Wood D, Borges A, Sharkey A, Linask K: Early fetal

- detection of atrioventricular septal defect (Abstract) World Congress of Pediatric Cardiology and Pediatric Cardiac Surgery, Paris, France June 21-25, 1993.
81. Gudmundsson S, Tulzer G, **Huhta JC**, Marsal K: Venous Doppler velocimetry in fetuses with an absent end-diastolic blood velocity in the umbilical artery. (Abstract) *J Matern Fetal Invest* 3:196, 1993.
 82. Tulzer G, Wolfgang A, Tews G, Schmitt C, **Huhta JC**: Peripheral pulmonary artery Doppler in normal fetuses and fetuses with hypoplastic lungs. (Abstract) *J Matern Fetal Invest* 3:199, 1993.
 83. Tulzer G, Pongsak K, Gudmundsson S, Wood D, Tews G, **Huhta JC**: Diastolic function in the fetus: A Doppler-echocardiographic study. (Abstract) *Pediatric Cardiology* No. 4, 1992.
 84. Mari G, Adrignolo A, **Huhta JC**, Moise KJ, Assad A: Fetal ductal constriction during indomethacin therapy for the treatment of premature labor and polyhydramnios: A new classification. (Abstract) *J Matern Fetal Invest* 3:200, 1993.
 85. Tulzer G, Arzt W, Tews G, Schmitt K, **Huhta JC**: Peripheral pulmonary artery Doppler in normal fetuses and fetuses with hypoplastic lungs. (Abstract) presented at IPDS Conference. Rome, Italy, September 1993.
 86. Leiva MC, Tolosa JE, Binotto C, Denis A, Weiner S, **Huhta JC**: Fetal cardiac development and hemodynamics in the first trimester. (Abstract) *Soc Gyn Invest*, Spring 1994.
 87. Van Son J, Danielson GK, **Huhta JC**, Seward JB, Schaff HV, Puga FJ, Ilstrup DM. Late results of systemic atrioventricular valve replacement in corrected transposition. (Abstract) *The American Association for Thoracic Surgery 1994 Annual Meeting*, New York, New York, April 24-27, 1994.
 88. Respondek ML, **Huhta JC**, Weil Sr, Godmilow L, Donnenfield AE, Weiner S. Prenatal Congenital Heart Disease and Coexisting Fetal Abnormalities. (Abstract) Presented Third World Congress on Ultrasound in Obstetrics and Gynecology, Las Vegas, Nevada, October 24-28, 1993.
 89. Tegnander E, Anderson TM, Bottalico, JN, Donlen J, Eik-Nes SH, **Huhta JC**, Librizzi, RJ, Tolosa JE, Weiner S: The Challenge of Population Based Fetal Heart Screening in the USA (Abstract) Presented Third World Congress on Ultrasound in Obstetrics and Gynecology, Las Vegas, Nevada, October 24-28, 1993.
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 91. Smith S, Respondek M, Ludomirsky A, Weil-Chalker S, Weiner S, **Huhta JC**: Fetal congenital heart disease: Perinatal management. (Abstract) Presented at 14th Annual Meeting of Society of Perinatal Obstetricians Las Vegas, Nevada, January 24-29, 1994. *Am J Obstet Gynecol* xxx:362, 1994.
 92. Leiva M, Tolosa J, Binotto C, Weil S, **Huhta JC**: First trimester normal human cardiac Doppler. *Am Coll of Cardiology* (Abstract), March 1994.
 93. **Huhta JC**, Weil SR, Ludomirsky A, Tolosa J, Binotto C, Respondek M: Reopening of the fetal ductus arteriosus after indomethacin-induced occlusion. (Abstract) *Program Issue/APS-SPR Ped Res* 35:36A, 1994.
 94. Hare JY, **Huhta JC**, Weil SR, Stauffer NR, Cuneo BF, Respondek M, Ludomirsky A: Beta agonist therapy of fetal complete heart block. (Abstract) *SPO 1995 Annual*

- Meeting. *AM J Obstet Gynecol* 172:426, 1995.
95. Sarno AP, Feinstein SJ, Carl D, Zaun D, **Huhta JC**: The effects of Nifedipine on human fetal cardiac function: Preliminary observations (Abstract) XI International Congress "The Fetus as a Patient", New York, November 1995.
 96. Rasanen J, Wood DC, Ludomirski A, **Huhta JC**: The role of the pulmonary circulation in the distribution of human fetal cardiac output. *Am J Obstet Gynecol* 174:323,1996.
 97. Rasanen J, Wood DC, Ludomirski A, **Huhta JC**: Human fetal pulmonary/systemic vascular resistance. *Am J Obstet Gynecol* 174:376, 1996.
 98. Berghella V, Pagotto L, Kaufman M, **Huhta JC**, Wapner R: Accuracy of prenatal diagnosis of congenital heart defects. *Am J Obstet Gynecol* 174:419, 1996.
 99. Gui Y, Linask K, Khowsathit P, **Huhta JC**: Doppler echocardiography of normal and abnormal embryonic mouse heart. *Ped Res* 40, 633-642.
 100. Megerian G, Bell JG, **Huhta JC**, Bottalico JN, Weiner S: Pregnancy outcome following Mustard procedure for transposition of the great arteries: a report of five caes and review of the literature. *Ob & Gyn* 83(4):512-6, April 1994.
 101. Rasanen J, Sylvester KG, Kitano Y, **Huhta JC**, Adzick NS: Doppler ultrasound findings of lung hypoplasia in fetal lamb model. *Am J of Obsetet Gynecol* Vol 178, Number 1, Part 2.
 102. Rasanen J, Wood DC, Debbs RH, Tolosa JE, **Huhta, JC**. Diagnosis of lung hypoplasia by Doppler ultrasound in human fetuses. *Am J of Obsetet Gynecol* Vol 178, Number 1, Part 2.
 103. Cohen J, **Huhta JC** "The Dangerous Ductus" Presented at Am Soc Echocardiography, Chicago 2000
 104. **Huhta JC**, Hofstatter C Poster presentation at the Society for Pediatric Research, Baltimore, MD, May 7, 2002 "Outcome assessment in hydrops fetalis using a cardiovascular score" Poster presentation at the Society for Pediatric Research, Baltimore, MD, May 7, 2002
 105. S. Foryś, J. Lipińska, P. Kaczmarek, M. Respondek–Liberska, **J.C. Huhta***, R. Martinez* Fetal CV profile score in hydrops fetalis.
 106. Roczek A, **Huhta JC**, Hernandez-Robles JA : "Correlation of Cardiovascular Profile Score and Fetal Outcome in Patients with Congenital Heart Defects" *American Journal of Obstetrics and Gynecology*, Dec.2004; 191(6): s178. Poster presented at the 2005 Society for Maternal-Fetal Medicine Annual Meeting, Reno,NV. Feb. 7-12, 2005.
 107. Roczek A, **Huhta JC**, Hernandez-Robles JA : Prognostic Value of the Cardiovascular Profile Score in Fetuses with Congestive Heart Failure *American Journal of Obstetrics and Gynecology*, Dec.2004; 191(6): s142. Poster presented at the 2005 Society for Maternal-Fetal Medicine Annual Meeting, Reno, NV. Feb. 7-12, 2005.
 108. Roczek A, **Huhta JC**, Hernandez-Robles JA , Bader R: Fetal Echocardiographic Detection of Myocardial Dysfunction with the Cardiovascular Profile Score *American Journal of Obstetrics and Gynecology*, Dec.2004; 191(6): s148. Poster presented at the 2005 Society for Maternal-Fetal Medicine Annual Meeting, Reno, NV. Feb. 7-12, 2005.
 109. Bader R, **Huhta JC**, Prenatal Prediction of neonatal pulmonary hypoplasia using the maternal hyperoxygenation test. *American Journal of Obstetrics and Gynecology*, Dec.2004; 191(6): s14x. Poster presented at the 2005 Society for Maternal-Fetal

- Medicine Annual Meeting, Reno, NV. Feb. 7-12, 2005.
110. Bader R, **Huhta JC**, Prenatal prediction of pulmonary hypoplasia with the maternal hyperoxygenation test. Presented at the Southeast Pediatric Cardiology Society, Mission Inn Florida, September 8-11, 2004 *Cardiol. Young* 2005; 15:95
 111. Martinez R, Kales E, **Huhta JC**, Cardiovascular profile score predicts myocardial dysfunction in fetuses with congenital heart disease. Presented at the Southeast Pediatric Cardiology Society, Mission Inn Florida, September 8-11, 2004. *Cardiol. Young* 2005; 15:101
 112. Freeman-Ladd M, Cohen JB, Carver JD, **Huhta JC**, Poster presentation, The hemodynamic effects of neonatal patent ductus arteriosus shunting on superior mesenteric artery blood flow., SPR/APS, San Francisco, CA, May 2004
 113. Quintero RA, Suh E, **Huhta JC**, Chmait R, Lichtenstein S , Poster presentation, Percutaneous fetal interatrial laser septotomy for the treatment of hypoplastic left heart syndrome with intact atrial septum ISUOG meeting, Malmo, Sweden, September, 2004.
 114. **Huhta JC**, Makikallio K, Erkinaro T, Niemi N, Kavasmaa T, Acharya G, Pakkila M, Rasanen J, Cardiac Tissue Doppler in Fetal Acidosis, Poster presentation at the 4th World Congress of Pediatric Cardiology, Buenas Aires, Argentina, Sept. 20, 2005
 115. **Huhta JC** A Cardiovascular Profile Score in Fetal Congenital Heart Disease, Podium presentation at the 4th World Congress of Pediatric Cardiology, Buenas Aires, Argentina, Sept. 20, 2000
 116. Tolosa JE, Mateus J, Bhutani VK, Romero R, Wood DC, Abassi S, Sivieri E, Gomez R, **Huhta JC** Fetal echocardiography in twin-to-twin transfusion syndrome can identify risk factors for neonatal systemic hypertension, 15th World Congress on Ultrasound in Obstetrics and Gynecology 2005, Vancouver, CA, September 26, 2005
 117. Cuneo B, **Huhta JC**, Ovadia M, Davis N. Ventricular and atrial response to terbutaline differs between left atrial isomerism and immune-mediated fetal complete AV block. American Heart Association Meeting New Orleans, Louisiana, November 2004
 118. Cuneo B, Strasburger J, Zhao H, **Huhta JC**, Gotteiner N, Wakai R. Patterns of fetal heart rate augmentation with terbutaline in complete AV block. *Heart Rhythm Journal* 2005; 2, #5 S45.
 119. Cuneo B, Leshko J, Ovadia M, **Huhta JC**. Outcome of cardiac arrhythmias treated in utero. *Ultrasound Obstet Gynecol* 2005 Sep 8;26(4):333
 120. **Huhta JC**, Cuneo B, Leshko J, Martinez R. Does Digoxin Improve the Prenatal Outcome of the Fetus with Congestive Heart Failure in Sinus Rhythm? Presentation at the Society for Maternal Fetal Medicine Annual Meeting, Miami, January 2006.
 121. Roczek A, **Huhta JC**, Hernandez-Robles JA. Correlation of Cardiovascular Profile Score and Fetal Outcome in Patients with Congenital Heart Defects. Poster presented at The Society for Maternal-Fetal Medicine meeting Miami, Jan. 2006.
 122. Hernandez-Robles J, **Huhta JC**, Leshko J Maternal MTHFR mutation and congenital heart defects. Poster presented at The Society for Maternal-Fetal Medicine meeting Miami, Jan. 2006.
 123. Roczek A, Ewing L, **Huhta JC** Tissue Doppler imaging in normal fetal ventricles. Poster presented at The Society for Maternal-Fetal Medicine meeting Miami, Jan. 2006.

124. Makikallio K, **Huhta JC**, Rasanen J Predictive factors of neonatal mortality in fetal growth restriction. Poster presented at The Society for Maternal-Fetal Medicine meeting Miami, Jan. 2006.
125. Cuneo B, Ovadia M, Leshko J, Martinez R, **Huhta JC** An antiarrhythmic treatment protocol for sustained fetal tachycardia, Presented at the Heart rhythm society, Boston, May, 2006
126. Cuneo B, **Huhta JC**, Martinez R, Hernandez-Robles J, Ovadia M, Rescue Terbutaline can further improve perinatal outcome in fetal AV block with and without structural cardiac defects, Presented at the Heart rhythm society, Boston, May, 2006
127. Chen J, Manisastry SM, Han M, Serrano M, **Huhta JC**, Moskowitz I, Juraszek A, Linask KK. Early, Acute Exposure of Lithium on ED 6.75 in the Mouse Affects Tricuspid Valve Morphogenesis, Characteristic of Ebstein's Anomaly. Presented at the 2006 Weinstein meeting, St. Petersburg, FL May, 2006.
128. Wloch A, **Huhta, JC** A cardiovascular profile score assessment of cardiac dysfunction in the recipient and donor twins in severe twin to twin transfusion syndrome Presented at the ISUOG meeting London, Sept. 2006.
129. **Huhta JC**, Wloch A, Makikallio K, Erkinaro T, Kavasmaa T, Acharya G, Pakkila M, Rasanen J Fetal tissue Doppler echocardiography: limitations in a chronic near term sheep model. Presented at the ISUOG meeting London, Sept. 2006
130. Shyam M. Manisastry, Mingda Han, Jizhen Chen, Maria Serrano, **James C. Huhta**, and K. K. Linask. 2005. Analysis of Cardiac Teratogenicity of Lithium in the Mouse Embryo using Doppler Echocardiography: One time exposure at ED 6.75 results in abnormal cardiac function and dysmorphogenesis. 3rd International Congress on Developmental Origins of Health & Disease, Toronto, CA. Ped. Res. 58: PI-018.
131. Chen, J., Manisastry, S.M., Serrano, M., **Huhta, J.C**, Juraszek, A., Moskowitz, I., and K.K. Linask. 2006. Early One-time Lithium Exposure Affects Tricuspid Valve Morphogenesis . Experimental Biology Meeting, April 1-5, 2006 in San Francisco.
132. Maria Serrano, Kersti Linask, Ganesh Acharya, Jizhen Chen, Mingda Han, **James Huhta**. One-time lithium dose in early gestation causes placental and cardiac dysfunction. (accepted for poster presentation at SMFM meeting. Abstract published in *Am J Obstet Gynecol*).
133. K Makikallio, G. Acharya, T Erkinaro, M Haapsamo, T Kavasmaa, **J Huhta**, J Rasanen. Ductus venosus velocimetry in fetal hypoxia and acidemia (accepted for oral presentation at SMFM meeting. Abstract published in *Am J Obstet Gynecol*)
134. M Serrano, G Acharya, Mingda Han, Kersti Linask, **J C Huhta**. Morphologic and functional characteristics of the CITED-2 knockout mouse embryo: A preliminary study Presented at the 4th Annual Symposium on Advances in Perinatal Cardiology, November 16-18, 2006.
135. Serrano M, Linask K, Acharya G, Chen J, Han M, **Huhta J**. One-time lithium dose in early gestation causes placental and cardiac dysfunction. Presented as a poster at SMFM 2007 27th Annual Meeting, San Francisco, CA *Am J Obstet Gynecol* 2006: 195:210 P698.
136. M Serrano, G Acharya, Mingda Han, Kersti Linask, **J C Huhta**. Morphologic and functional characteristics of the CITED-2 knockout mouse embryo: A preliminary study. First prize for poster presentations, AEPC meeting, Warsaw, Poland, May, 2007.

137. Serrano M, Linask KK, Acharya G, Chen, J, Han M, **Huhta J**. One-time homocysteine exposure in early gestation causes intrauterine demise and cardiac valve dysfunction. Presented poster at the Aspen Perinatal Biology Symposium, Aspen, Colorado, August 25-28, 2007.
138. Himesh Vyas et al. Abstract #2760 – Tissue Doppler Velocities in Fetuses with and without Congenital Heart Disease - A Multicenter Study. Presented as poster at the AHA meeting, Orlando, FL Nov. 5th, 2007.
139. Maria Serrano, Kersti Linask, Ganesh Acharya, Jizhen Chen, Mingda Han, **James Huhta**. One-time homocysteine dose in early gestation causes fetal loss and cardiac dysfunction. Presented poster Oct. 11-13, 2007, 5th Annual Advances in Perinatal Cardiology conference. St. Petersburg, FL.
140. Acharya G, Pavlovic M, Ewing L, Nollmann D, Leshko J, **Huhta JC**. Comparison between pulsed-wave Doppler and tissue Doppler derived Tei indices in fetuses with and without congenital heart disease, Presented poster Oct. 11-13, 2007, 5th Annual Advances in Perinatal Cardiology conference. St. Petersburg, FL.
141. Serrano M, **Huhta J**, Han M, Linask K. Folic acid rescue of cardiovascular dysfunction and intrauterine demise induced by single pulse dose of homocysteine in early gestation. Presented as an oral presentation at SMFM 2008 28th Annual Meeting Dallas TX. *Am J Obstet Gynecol* 2007; 197:14 P29.
142. Acharya G, Rasanen J, Makikallio K, Erkinaro T, Kavasmaa T, Haapsamo M, Mertens L, **Huhta J**. Metabolic acidosis decreases fetal myocardial isovolumic velocities in a chronic sheep model of increased placental vascular resistance. Presented as a poster at SMFM 2008 28th Annual Meeting Dallas TX. *Am J Obstet Gynecol* 2007; 197:120 P399.
143. Lee M, **Huhta JC**, Leshko J, Kemp A, Parilla B, Cuneo B. Indications for delivery of the fetus with isoimmune conduction system disease after optimal in utero management. Presented at SMFM meeting, Feb. 2, 2008, Dallas, Texas. *Am J Obstet Gynecol* 2007; 197(6):S148.
144. Imran N, **Huhta J**, Ovadia M, Niksch A, Leshko J, Cuneo B. Survival and cardiac function in children with isoimmune AV block treated in utero with transplacental dexamethasone. Presented at SMFM meeting, Feb. 2, 2008, Dallas, Texas, *Am J Obstet Gynecol* 2007; 197(6):S148 P505.
145. Serrano M, **Huhta J**, Han M, Linask K. One-time homocysteine exposure in early gestation causes intrauterine demise and cardiac valve dysfunction. Presented at USF Health Research Day 2008; Tampa, FL, February 2008
146. Lastra R, Han M, Serrano M, **Huhta JC**, Linask KK. Folate Rescues inhibitory effects of Wnt/ β -Catenin signaling during heart development. Presented at 18th Annual USF Health Research Day; Tampa, FL, February 2008.

OTHER ABSTRACTS

Paper Presentations at National and International Meetings

1. **Huhta JC**, Webster JG: Interference in biopotential recording. Presented at Bioelectrode Technology Symposium, Stanford, 1974.
2. **Huhta JC**, Suprasternal notch two-dimensional echocardiography. Presented at Paediatric Echocardiography Workshop, Birmingham, 1981.

3. **Huhta JC**, M-mode echocardiography in congenital heart disease. Presented at echocardiography course, London, 1982.
4. **Huhta JC**, Gated averaging of two-dimensional echocardiographic images. Pitfalls in LV volume calculations. Presented at "Data Processing in Cardiology", 2nd Leeds Symposium, York, United Kingdom, 1982.
5. **Huhta JC**, Invited participant 14th Bethesda Conference of American College of Cardiology and NHLBI. Noninvasive diagnostic instrumentation in the assessment of cardiovascular disease in the young. Bethesda, September 1983.
6. **Huhta JC** Panel member. How to use echocardiography to solve clinically difficult congenital cardiovascular problems. American Heart Association How To Session, Anaheim, October 1983.
7. **Huhta JC**, Imaging techniques in congenital heart disease. Panel member, American College of Cardiology, Dallas, March 1984.
8. **Huhta JC**, Cardiac dilemmas in the neonate. Invited lecture, National Perinatal Nursing Symposium, Houston, November 1984.
9. Abinader EG, **Huhta JC**, Reiter A, Strasburger J, Carpenter R: The contribution of pulsed Doppler in the cardiac evaluation of the human fetus. The Annual Scientific Conference of the Israel Heart Society, Tel Aviv, January 1985.
10. **Huhta JC**, Extracardiac diagnosis by echocardiography and surgery without catheterization. Invited lectures, University Hospital, Cairo, Egypt, December 1985.
11. **Huhta JC**, Fetal Echocardiography. Invited lecture, Rothschild's Hospital, Haifa, Israel, December 1985.
12. **Huhta JC**, Pediatric Cardiology. Invited lecture series, Pediatric Society of Monterrey, Monterrey, Mexico, January 1986.
13. **Huhta JC**, Fetal Cardiology. International Meeting of Pediatric Cardiology, Parma, Italy, May 1986.
14. **Huhta JC**, Aortic arch and other extracardiac anomalies. Diagnosed by echo Doppler. International meeting of Pediatric Cardiology, Parma, Italy, May 1986.
15. **Huhta JC**, Persistent Pulmonary Hypertension. Presented at the Combined Children's Hospital of Los Angeles/UCLA Meeting on Fetal Cardiology, Los Angeles, California, October 1986.
16. **Huhta JC**, Sharif DS, Murphy DJ, Danford DA, Judd VE: Assessment of Cardiac Pressures and Function in the Postoperative Patient after Congenital Heart Disease Surgery: Neonatal LV Obstruction. Presented at the New Trends in Echocardiology International Congress, Padova, Italy, October 1986.
17. **Huhta JC**, Diagnostic Impact of two-dimensional Doppler studies: Fetal echocardiography. Echocardiographic Criteria: Non-invasive studies and Echocardiography. Two-dimensional Doppler echocardiography in 1986: Can cardiac catheterization be dispensed with? Echocardiography: Value and Limitations. Echocardiography: Classification, prognostic value and toxic effects on oncologic drugs. Echocardiography Criteria. All presented at the 2nd Argentine Congress of Pediatric Cardiology, Buenos Aires, Argentina, October 1986.
18. **Huhta JC**, Fetal Cardiology. Patency of the Ductus Arteriosus. Presented at the University of Ulm, Ulm, Germany, November 1986.
19. **Huhta JC**, Evaluacion de los cortocircuitos con ecocardiografia-Doppler. Identificacion secuencial de las cavidades cardiacas. Ecocardiografia fetal. All presented at the First

- International Course on Doppler Echocardiography, Mexico City, Mexico, December 1986.
20. **Huhta JC**, Association of European Pediatric Cardiologists General Meeting, Hamburg, West Germany, May 1987.
 21. **Huhta JC**, Introduction of fetal echocardiography: Safety, utility and clinical indications; two-dimensional Doppler assessment of pulmonary stenosis. Echocardiographic determination of suitability for balloon valvuloplasty; Two-dimensional Doppler and color flow imaging of aortic stenosis and coarctation. Alteration of management decisions based on echo/Doppler anatomic and hemodynamic assessment; Two-dimensional and color flow of complex congenital heart disease; Impact of two-dimensional/Doppler echocardiography on management of the high risk fetus and newborn. Presented at the 4th Corso internazionale teorico-pratico di ecocardiografia doppler a colori ed emodinamica pediatrica, Vicenza, Italy, June 1987.
 22. **Huhta JC**, Valvular Aortic Stenosis - in Fetus, Neonate and Young Adult; Pulmonary Valve Stenosis; Ductus Arteriosus; and Fetal Echocardiography: Role of Doppler and Color Flow Imaging in Diagnosis and Decision Making Safety Concerns? Third Annual Symposium two-dimensional/Doppler and Color Flow Imaging in Congenital Heart Disease, Rochester, Minnesota, October 14-17, 1987.
 23. Murphy DJ Jr, **Huhta JC**, Judd VE, Clinical and Ethical Challenges in the Treatment of the Fetus and Neonate. 65th Annual Meeting of the Texas Pediatric Society, Houston, Texas, September 11-13, 1987.
 24. **Huhta JC**, Update in Echocardiography Course, Massachusetts General Hospital, Boston, Massachusetts, October 21-24, 1987.
 25. **Huhta JC**, Assessment of Abnormal Fetal Flow. Fetal Cardiology Program in Conjunction with the American Heart Association, 60th Scientific Session, Disneyland Hotel, Anaheim, California, November 14-15-1987.
 26. **Huhta JC**, Assessment of Abnormal Fetal Flow by Steerable Continuous-Wave Doppler. 60th Scientific Session of the American Heart Association, Anaheim Convention Center, Anaheim, California, November 16-19, 1987.
 27. Al-Yousef S, **Huhta JC**, Khan A, Fagih M, Belhaj, Kudaibi J, Othman J, and Josen M: Accuracy of Echocardiography for Cardiovascular Surgery without Cardiac Catheterization. (Abstract) "Topics in Cardiology" Symposium, Kingdom of Saudi Arabia, 1988.
 28. **Huhta JC**, Use and abuses of the power/amplitude mode (intensity mapping). The Fourth Annual Symposium on Recent Advances in Doppler Color Flow Mapping, (Abstract) Am College of Cardiology, Atlanta, Georgia, March 25-26, 1988.
 29. **Huhta JC**, Assessment of Abnormal Great Artery Flow. Fetal Cardiology Program in Conjunction with the American Heart Association, 61st Scientific Session, Washington DC, November 1988.
 30. **Huhta JC**, "New Imaging Advances in Pediatric Cardiology" Fireside Panel, Am College of Cardiology 38th Annual Scientific Sessions, Anaheim, March 1989.
 31. **Huhta JC**, "How to perform a systemic and goal specific two-dimensional study in a patient with congenital heart disease, Cleveland Clinic Echo Doppler and Color Doppler Symposium, Fort Lauderdale, April 1989.
 32. **Huhta JC**, Brazilian Congress of Cardiology and the Interamerican Congress of Cardiology, Rio de Janeiro, July 1989, Three lectures inc "Prognosis of fetal congestive

- heart failure”.
33. **Huhta JC**, Chairman, Abstract Session AHA “Fetal Cardiology” November 1989, New Orleans.
 34. **Huhta JC**, Co-Chair, Fetal Cardiology ACC Minicourse, New Orleans, March 1990.
 35. **Huhta JC**, Co-Chair, Controversies in Cardiology, ACC, New Orleans, March 1990.
 36. **Huhta JC**, Co-Chair, Abstract Session-Neonatal Cardiology, Soc. Ped. Research, Anaheim.
 37. **Huhta JC**, Fetal Cardiology, Fireside Panel, ACC Meeting, March 1991.
 38. Tulzer G, Tews G, Gudmundsson S, Wood DC, **Huhta JC**, Doppler Echokardiographie in der Evaluierung von Feten mit Trikuspidalinsuffizienz, Gratz, Austria, September 1991.
 39. Tulzer G, Gudmundsson S, **Huhta JC**, Wood DC, Tews G, Wert des Dopplers in der Evaluierung und Prognose von Feten mit Nicht Immunologischen Hydrops Fetalis, Presented Muchen Germany, June 1991.
 40. Khowsathit P, Tian ZY, Wood DC, Tulzer G, **Huhta JC**, Tricuspid Valve Regurgitation in the Human Fetus with Ductal Constriction, presentation at the AHA meeting, Anaheim, California, November 1991.
 41. **Huhta JC**, Fetal Echocardiography-Luncheon Panel Chairman, “Prenatal diagnosis and postnatal management of congenital heart disease” ACC, April 1992, Dallas, Texas.
 42. **Huhta JC**, 2nd International Symposium and Workshop: Published proceedings-Die venose Dopplersonographie in der perinatalen Medizin: Lech/Zug-Arlberg, Austria, March 1993.
 43. **Huhta JC**, Perinatal Cardiology presented at the NACOG’s Spring Conference, Ocean City, Maryland, April 30, 1993.
 44. **Huhta JC**, The Heart Institute for Children, Fifth Annual Symposium, “Perspectives in Pediatric Cardiology” Chicago, Illinois, September 18, 1993.
 45. **Huhta JC**, “Indications for Fetal Echocardiography” presented at the American College of Obstetric and Gynecology Mid-Year OB/GYN Review by the Bay, Ocean City, New Jersey, October 17, 1993.
 46. **Huhta JC** “Hypoplastic Left Heart Syndrome-Results After Surgery”, presented at the Norwegian Perinatal Society 7th Annual Meeting, Kristiansand, Norway, November 19, 1993.
 47. **Huhta JC**, “Ventriculos Hipoplasticos: Evaluacion Ecocardiografica”, Analisis Ecocardiografico de Anomalias Ectracardiacas: Retornos Venosos Sistemicos y Pulmonary Anomalias de Arcos Aorticos”, “Estado Actual de la Ecocardiografia Fetal”, Mesa Redonda: Evaluacion Preoperatoria del Corazon Univentricular, Mexico, February 16-18, 1994.
 48. **Huhta JC**, “Fetal Echocardiography” The 8th Congress of the Federation of the Asia/Oceania Perinatal Societies, Taipei, Taiwan, September 15 & 16, 1994.
 49. **Huhta JC**, “Intra-Cardiac Doppler Studies and Their Clinical Significance” XIV FIGO World Congress, Montreal, Canada, September 26, 1994.
 50. **Huhta JC**, “Fetal Congestive Heart Failure (Abstract) “Echocardiography Review” The Fourth World Congress on Ultrasound in Obstetrics and Gynecology. Budapest, Hungary, October 19-22, 1994.
 51. **Huhta JC**, “Diagnosis of Fetal Congestive Heart Failure “Fetal Echocardiography Technique and Clinical Applications”, Thomas Jefferson University Hospital, Philadelphia,

- Pennsylvania, October 27-28, 1994.
52. **Huhta JC**, "Advances in Fetal Echocardiography-Advances in Pediatric Cardiology and Cardiovascular Surgery", Bangkok, Thailand, February 21-24, 1995.
 53. **Huhta JC**, "Fetal Echocardiography Technique and Clinical Applications", Thomas Jefferson University Hospital, Philadelphia, Pennsylvania, March 9-10, 1995.
 54. **Huhta JC**, "Echocardiography in the Fetus" Meet the Experts-ACC 44th Annual Scientific Session, Am College Cardiology, New Orleans, Louisiana, March 22, 1995.
 55. **Huhta JC**, "Congenital Heart Defects In Utero, Fetal Congestive Heart Failure, Doppler Ultrasound in the Fetal Examination From Basics to State of the Art" Lech/Zug - Arlberg, Austria, April 2-7, 1995.
 56. **Huhta JC**, Linask K, "Non-Invasive Assessment of the Mouse Embryonic Cardiovascular System" presented at the Weinstein Cardiac Morphogenesis and Development Group Meeting, Rochester, New York, June 1-3, 1995.
 57. **Huhta JC**, Leiva M, Tolosa J, Weil-Chalker S, Binotto CN, "Doppler Cardiac Evaluation During Normal First Trimester Human Fetal Development" Poster at the Weinstein Cardiac Morphogenesis and Development Group Meeting, Rochester, New York, June 1-3, 1995.
 58. **Huhta JC**, "Form and Function of Fetal Heart Disease" 5th World Congress on Ultrasound in Obstetrics and Gynecology, Kyoto, Japan, November 26, 1995.
 59. **Huhta JC**, Hata T, "Young Investigators' Session - 1 Doppler I Chairpersons 5th World Congress on Ultrasound in Obstetrics and Gynecology, Kyoto, Japan, November 26, 1995.
 60. **Huhta JC**, Wapner R, "Cardiac Malformations - Accuracy in Diagnosis" 5th World Congress on Ultrasound in Obstetrics and Gynecology, Kyoto, Japan, November 27, 1995.
 61. **Huhta JC**, Rasanen J, Ludmirski A, "Human Fetal Pulmonary/Systemic Vascular Resistance" 5th World Congress on Ultrasound in Obstetrics and Gynecology, Kyoto, Japan, November 27, 1995.
 62. **Huhta JC**, Respondek M, Sadowski K, "Fetal Pulmonary Vein Flow in the Third Trimester" Poster at the 5th World Congress on Ultrasound in Obstetrics and Gynecology, Kyoto, Japan, November 29, 1995.
 63. **Huhta JC** "Fetal Echocardiography: Normal Anatomy", 7th World Congress on Ultrasound in Obstetrics and Gynecology, Washington, DC., October 26, 1997.
 64. **Huhta JC** "Fetal Echocardiography: Anomalies" 7th World Congress on Ultrasound in Obstetrics and Gynecology, Washington, DC., October 26, 1997.
 65. **Huhta JC** "Developmental Cardiac Morphology and Physiology", "Cardiac function and congestive heart failure", "Future developments in Fetal Echocardiography" Presented at the Fetal Echocardiography Workshop, University of Miami, Sept. 2000
 66. **Huhta JC** "Echocardiographic Assessment of Fetal Systolic and Diastolic Function" Advances in Fetal and Perinatal Cardiology, May 26, 2001, Toronto, Canada
 67. **Huhta JC** "Outcomes of Fetal Heart Disease" Fetal Symposium at the AHA meeting, Anaheim, Cal. Nov., 2001
 68. **Huhta JC** "The Perinatal Patient" Invited lecture at the Society of Thoracic Surgeons' Advances in Quality and Outcomes, STS National Database Event. Oct. 21, 2004
 69. **Huhta JC** Chairman, Controversy, Balloon in Fetal AS, Should we continue? presentation at the 4th World Congress of Pediatric Cardiology, Buenos Aires,

Argentina, Sept. 22, 2005

70. **Huhta JC** Cardiostim 8th Fetal International Cardiology Symposium Six lectures including: Fetal circulation and Maturation of cardiac function, Cardiac evaluation in twin-to-twin transfusion syndrome, Fetal heart failure, Outcome of Fetal heart disease, Future of fetal interventions, Evidence based parental counseling. June 15-17, 2006
71. **Huhta JC** Nomenclature meeting: Venice, Italy, Fetal coding
72. **Huhta JC** Parma, Italy June 24-26, 2006 Magistral lecture: From fetal diagnosis to treatment.
73. **Huhta JC**, Cuneo BF The Diagnosis and Treatment of Fetal Congestive Heart Failure, Presented by Dr. Cuneo in Florence, Italy, September, 2007

Invited Lectures and Addresses

1. Lecture entitled "Two-dimensional Echocardiographic Diagnosis of Situs and Implications for the Management of Congenital Heart Disease" presented at the British Heart Foundation, London, Closed Symposium, 1982.
2. Lecture entitled "Mitral Valve Prolapse" presented at the Texas Pediatric Society, Fort Worth, 1982.
3. Lecture entitled "Mitral Leaflet Prolapse" presented at the Pediatric Postgraduate Symposium on Cardiology, Houston, 1983.
4. Lecture entitled "Medical Manipulation of the Ductus Arteriosus" presented at the Pediatric Postgraduate Symposium on Cardiology, Houston, 1983.
5. Lecture entitled "Imaging of the Aortic Arch" presented at the Houston Cardiology Society, Houston, March 1983.
6. Lecture entitled "Two-dimensional Echocardiography in the Evaluation of the Child with a Heart Murmur" presented at Baylor College of Medicine Family Practice Review Course, Houston, May 1983.
7. Lecture entitled "Two-dimensional Echocardiography in the Diagnosis and Management of Aortic Obstruction in Infancy" Mayo Clinic, Rochester, June 1983.
8. Invited lectures entitled "Two-dimensional Echocardiographic Diagnosis of Congenital Heart Disease, a Segmental Approach", "Fetal echocardiography", Marshfield Clinic, Marshfield, Wisconsin, June 1983.
9. Lecture entitled "Diagnosis and Management of Congenital Heart Disease in the Newborn" presented at the Perinatal Nursing Symposium, Houston, October 1983.
10. Lecture entitled "Non-Invasive Evaluation of the Critically Ill Newborn" presented at the Pediatric Postgraduate Symposium on Cardiology, Houston, February 1984.
11. Invited lecture "Pulsed Doppler Fetal Echocardiography" Brompton Hospital, Section of Paediatric Cardiology, London, England, May 1984.
12. Invited lecture "Two-dimensional Echocardiographic Diagnosis of Abnormalities of the Aorta", Great Ormond Street Hospital for Sick Children, London, May 1984.
13. Lecture entitled "Two-dimensional Echocardiographic Imaging of Extracardiac Congenital Abnormalities", Children's Hospital of Philadelphia, June 1984.
14. Lecture entitled "Echocardiography in the Evaluation of the Postoperative Adult with Congenital Heart Disease", University of Texas Medical School, Houston, September 1984.
15. Lecture entitled "The Importance of Cardiac Research", Research Awareness Program, American Heart Association, Texas Affiliate, Golden Triangle Region, Beaumont, 1985.

16. Lecture entitled "Fetal Echocardiography" Pediatric Society of Monterrey, Monterrey, Mexico, January 1986.
17. Lecture entitled "Doppler Assessment of Fetal Hemodynamics", presented at the Fifth Annual
18. Conference on Biomedical Engineering Research Symposium, The University Hilton Hotel, University of Houston-University Park, Houston, Texas, March 12-14, 1987.
19. Lecture entitled "Doppler in Congenital Heart Disease" presented at the Fundamentals of Doppler Echocardiography Course, The Echo College, Houston, Texas, March 13-15, 1987.
20. Lecture entitled "Pediatric Cardiology Research" presented to the American Heart Association, Texas Affiliate, East Fort Bend Division, Sweetwater Country Club, Houston, Texas, March 25, 1987.
21. Lecture entitled "Color Doppler in the Fetus", University of Vienna Department of OB/GYN, Vienna, Austria, May 1988.
22. Lecture entitled "Fetal Doppler", Department of Obstetrics and Gynecology, Pennsylvania Hospital, Philadelphia, March 1988.
23. Lecture entitled "Indocin Therapy for Premature Labor", The Lankenau Hospital, October 1988.
24. Lecture entitled "Fetal Doppler", Grand Rounds, Brookdale Hospital, Brooklyn, New York.
25. Lecture entitled "Diagnosis of Fetal Congestive Heart Failure" presented at the D.G. Ritter Symposium, Mayo Clinic, October 1988.
26. Lecture entitled "Extracardiac Imaging" and Grand Rounds "Fetal Physiologic Assessment", Geisinger Medical Center, Danville, Pennsylvania.
27. Lecture entitled "Form and Function in Cardiac Development - Is There a Difference?", Distinguished Visiting Professor, Duke Medical Center, Durham, North Carolina, April 1989.
28. Lecture entitled "Perinatal Cardiovascular Physiology", Pediatric Grand Rounds, Albert Einstein School of Medicine, May 1989.
29. Lecture entitled "Non-Invasive Fetal Cardiovascular Physiology Assessment", Grand Rounds, Brookdale Hospital, New York, May 1991.
30. Lectures entitled "Fetal Ductal Constriction" and "Hypoplastic Left Heart Syndrome", Visiting Professor-Yale Medical Center, June 1991.
31. Lecture entitled "Prenatal Diagnosis and Screening for Congenital Heart Disease in Pregnancies Known to be Affected with Down Syndrome", presented at the Down Syndrome Conference, Our Lady of Lourdes Medical Center, Camden, New Jersey, April 1992.
32. Lecture entitled "Doppler Diagnosis of the Syndrome of Fetal Hypertension in Discordant Twins", Norkisk Barnkardiologisk Forening Scandinavian Association of Paediatric Cardiologists, Turku, Finland, September 1992.
33. Lecture entitled "Fetal Echocardiography" presented at the Fall Seminar York Hospital of York Pennsylvania, November 12, 1992.
34. Lecture entitled "Neonatal Prognosis of Fetal Congenital Heart Disease", presented UMDNJ, Hackensack, New Jersey, March 10, 1993.
35. Lecture entitled "Fetal Echocardiology" presented at Hands on Workshop in OB/GYN Ultrasound and Invasive Procedures Pennsylvania Hospital, Philadelphia, Pennsylvania,

May 21, 1993.

36. Lecture entitled "Perinatal Cardiology" presented at OB/GYN Conference sponsored by the Medical Society of Delaware, May 24, 1993.
37. Lecture entitled "Perinatal Cardiology" presented at East Bay OB/GYN Society Meeting, San Francisco, California, May 26, 1993.
38. Lecture entitled "Screening for Detection of Congenital Heart Disease In Utero" presented at V International Symposium/Echo Doppler From Fetus to Young Adult, Parma, Italy, June 17-20, 1993.
39. Lecture entitled "Embryonic Doppler Ultrasound", Penn State University, University Park, Pennsylvania, August 27, 1993.
40. Lecture entitled "Reviewing Accuracy of Diagnosis for Fetal Congenital Heart Disease", presentation to Medical Staff, Rockford Memorial Hospital, Rockford, Illinois, September 17, 1993.
41. Lecture entitled "Diagnostic and Therapeutic Interventions in Early Life" and Didactic Hands-on Workshop Including Fetal Echocardiology and Direct Access to Fetal Circulation, Pennsylvania Hospital, Philadelphia, Pennsylvania, September 20-24, 1993.
42. Lecture entitled "Physiology of Discordant Twins", Lankenau Hospital, Wynnewood, Pennsylvania, October 13, 1993.
43. Lecture entitled "Role of the Perinatal Cardiologist in Assessing the Prognosis of the Fetus with Heart Disease" presented at Grand Rounds St. Lukes Hospital, Bethlehem, Pennsylvania, October 6, 1993.
44. Lecture entitled "Ultrasonic Technology" presented at Grand Rounds, Mercy Hospital Center, Baltimore, Maryland, October 7, 1993.
45. Lecture entitled "Doppler in the Assessment of Fetal Congestive Heart Disease" and "Screening for Fetal Heart Disease in the USA" presented at National Center for Fetal Diagnosis, Trondheim, Norway, November 17, 1993.
46. Lecture entitled "The Outcome of Prenatally Diagnosed Heart Disease: Do We Make a Difference?" and "Doppler Analysis of Fetal Heart Failure" presented at Fetal Echo Symposium, Stamford, Connecticut, November 20, 1993.
47. Lecture entitled "Doppler Assessment of the Fetal Circulation" Winthrop-University Hospital Grand Rounds, Mineola, New York, November 19, 1993.
48. Lecture entitled "Fetal Echocardiography: From Imaging to Physiology" and "Perinatal Cardiology - Diagnosis and Treatment" presented at Bethesda Memorial Hospital, Boyton Beach, Florida, February 10, 1994.
49. Lecture entitled "Prenatal Screening for Fetal Cardiac Abnormalities" and "Fetal Dysrhythmia". OB/GYN Grand Rounds, William Beaumont Hospital, Royal Oak, Michigan, March 3, 1994.
50. Lecture entitled "Embryonic Doppler" presented at Tenth Annual International Symposium on Recent Advances in Echocardiology, Atlanta, Georgia, March 11-12, 1994.
51. Lecture entitled "Update in Sonographic Diagnosis of Fetal Cardiac Defects" presented at OB/GYN Grand Rounds, Thomas Jefferson Medical College, Philadelphia, Pennsylvania, April 28, 1994.
52. Lecture entitled "Perinatal Cardiology" presented at the Auxiliary of Pennsylvania Hospital, Philadelphia, Pennsylvania, April 11, 1994.
53. Lecture entitled "Reopening of the Fetal Ductus Arteriosus After Indomethacin-Induced

- Closure” presented at Pennsylvania Hospital, The First Annual Thomas Bond Symposium, Philadelphia, Pennsylvania, May 5-7, 1994.
55. Lecture entitled “Fetal Echocardiography: From Imaging to Physiology”, Visiting Professor, Hershey Medical Center, June 1994.
 56. Lecture entitled “Fetal Heart Screening: Detection of Abnormalities”, Our Lady of Lourdes Medical Center and the Southern New Jersey Perinatal Cooperative, Mount Holly, New Jersey, June 10, 1994.
 57. Lecture entitled “Fetal Heart Screening” Eastern Virginia Medical School Children’s Hospital of The Kings Daughters, Grand Rounds, Norfolk, Virginia, March 30, 1995.
 58. Lecture entitled “Long-term results of surgery for congenital heart defects”, Young Hearts, Hackensack, New Jersey, May 23, 1995.
 59. Lecture entitled “Ultrasound Appearance of Congenital Heart Lesions”, Fetal Echocardiography: State of the Heart Cedars-Sinai Medical Center, Los Angeles, California, September 9-10, 1995.
 60. Lecture entitled “The Fetal Cardiovascular System: A Source of Fetal Evaluation”, Fetal Blood Sampling & Fetal Physiology 10th Annual International Workshop, Temple University School of Medicine, Department of OB/GYN/RS, November 13, 1995.
 61. Lecture entitled “Fetal Echocardiography” presented to the Central Ob-Gyn Hospital of Tianjin, Tianjin, Peoples Republic of China, November 28, 1995.
 62. Lecture entitled “Embryonic Doppler” presented by at the Tokyo Women’s Medical College, Tokyo Heart Institute, Tokyo, Japan, December 3, 1995.
 63. Lecture entitled “Mouse Embryo Doppler” and “Non-Invasive Fetal Assessment” to the Biophysics Imaging Group at the University of Pennsylvania, June 1995 and January 1996.
 64. Lecture entitled “Fetal Echocardiography” presented at Cornell University Medical School, Department of Pediatrics, Ground Rounds, New York, New York, February 1, 1996.
 65. Lecture entitled “Pediatric Cardiology” presented at Chestnut Hill Hospital Education Program in Cardiovascular Disease for Primary Care Physicians, Philadelphia, Pennsylvania, March 7, 1996.
 66. Lecture entitled “How to Do Fetal Echocardiographic Examination: Indications and Clinical Utility and Fetal Decompensation”. The Twelfth Annual International Symposium on Recent Advances in Echocardiography, Orlando, Florida, Mary 22-23, 1996.
 67. Invited lecture entitled “Fetal Cardiac-Placental Interaction”, American Society of Echocardiography, Chicago, Illinois, June 10, 1996.
 68. Invited lecture entitled “Impact of Echocardiography in Clinical Practice”, Asociacion Cardiovascular, Torre San Cristobal, Coto Laurel, Puerto Rico, August 9-11, 1996.
 69. Lecture entitled “Assessment of Congenital Heart Defects” Echocardiography Review, Arnold Palmer Hospital for Children and Women, Orlando, Florida, September 16-17, 1996.
 70. Lecture entitled “Accuracy of Diagnosis of Congenital Heart Disease”, Sixth Annual Northwest Diagnostic Ultrasound Ob/Gyn, Seattle, Washington, September 20-22, 1996.
 71. Lecture entitled “Use of Doppler in Assessment of Fetal Physiology”, Sixth Annual Northwest Diagnostic Ultrasound Ob/Gyn, Seattle, Washington, September 20-22, 1996.
 72. Lecture entitled “Peripheral Doppler and Fetal Cardiovascular Physiology” and “Video Studies and Pathology of Congenital Heart Disease”, Fetal Echocardiography Meeting,

- Thomas Jefferson University Hospital, Philadelphia, Pennsylvania, September 26-27, 1996.
73. Lecture entitled "Cardiac Form and Function in Congenital Heart Disease", St. Joseph's Hospital, Tampa, Florida, September 24, 1996.
 74. Lecture entitled "Cardiac Rhythm Disturbances", St. Joseph's Hospital, Tampa, Florida, January 25, 1997.
 75. Lecture entitled "Comprehensive Approach and Objective Assessment of the Normal Heart Haemodynamics", "Hydrops Fetalis", "Tricuspid Regurgitation", "Fetal Hypertension", "Ductal Constriction Including Iatrogenic Exposure to NSAID", St. George's Hospital, Fetal Medicine Unit, "In the Heart of the Sick Fetus", London, England, March 25, 1997.
 76. Lecture entitled: "Echocardiographic Assessment of Congenital Heart Disease", St. Joseph's Hospital, Tampa, Florida, September 20, 1997.
 77. Lecture entitled: "Fetal Echocardiography" Grand Rounds, Harrisburg, PA., September 4, 1997.
 78. Lecture entitled: "Fetal Echocardiography", St. Joseph's Hospital, Tampa, FL., September 13, 1997.
 79. Lecture entitled: "Recent Advances in Fetal Cardiology", XVI Inter American Congress of Cardiology, Fajardo, Puerto Rico; September 19, 1997
 80. Lecture entitled: "Fetal Echocardiography 1997", Staten Island University, Staten Island, New York, September 23, 1997.
 81. Lecture entitled: "Fetal Echocardiography", Regency Hospital, Winter Haven, FL., November 11, 1997.
 82. Lecture entitled: "Arrhythmias and Congestive Heart Failure", The Heart Institute for Children, Chicago, Illinois 60453, November 18, 1997.
 83. Lecture entitled: "Fetal Echocardiography", St. Joseph's Women's Hospital, Grand Rounds OB/GYN, Tampa, FL., December 4, 1997.
 84. Lecture entitled: "Pediatric Arrhythmia", St. Joseph's Hospital, PALS Certification, Tampa, FL February, 1998.
 85. Lecture entitled: Fetal Valvular Regurgitation, 8th Annual Ob/Gyn Update for Clinical Practice, December 9, 1999
 86. Lecture entitled "Complex Congenital Heart Disease" at the course "Pediatric Echocardiography-with anatomic, surgical and pathologic correlation", Jan. 30-Feb.2, 2002, St. Petersburg, FL
 87. Neonatal Hemodynamics of HLHS, Controversies of Hypoplastic Left Heart Syndrome, 3rd International Symposium on Congenital Heart Disease, Feb. 15-18, 2003, St. Petersburg, FL
 88. Lecture entitled: "Pitfalls in Cardiac Doppler Ultrasound", "New Techniques in Myocardial Function Assessment" and "Compete Heart Block", Mar 23-28, 2003, 12th International Symposium & Workshop, Doppler Ultrasound in the Fetal Examination, Oberlech-Arlberg, Austria.
 89. Lecture entitled: "Belize Patients for the Gift of Life Program", Rotary International District Conference Program, May 9, 2003, Clearwater Beach, FL.
 90. Lecture entitled: "Fetal Assessment", Glaxo-Smith Kline Research & Educ. Foundation for Cardiovascular Disease, May 30-31, 2003, Philadelphia, PA.
 91. Lecture entitled " Pulmonary Atresia with Intact Interventricular Septum" & "Anomalies

- of Pulmonary and Systemic Venous Return” at Gulfcoast Ultrasound Institute, Inc., Introduction to Pediatric Echocardiography, Oct. 9, 2003, St Petersburg Beach, FL
92. Lecture entitled “Huhta’s Scale for Fetal Congestive Heart Failure”, Conference of Fetal Echocardiography and Fetal Cardiology Polish Ultrasonography Society, Oct 17 & 18, 2003, Warsaw, Poland.
 93. Lecture entitled: “New Research in Perinatology”, Children’s Medical Services - “Pediatric Cardiology Update-The Heart of the Child”, Oct 29, 2003, St. Petersburg, FL.
 94. Lecture entitled: “The Future of Perinatal Cardiology”, All Children’s Hospital and University of South Florida, “Advances in Perinatal Cardiology, Oct. 30-31, 2003, St. Petersburg, FL.
 95. Lecture entitled: “Fetal Diagnosis of Transposition of the Great Arteries”, 13th Annual International Conference on Echocardiography: Case Studies and Recent Advances, Nov 8, 2003, Orlando, FL.
 96. Lecture entitled: “Diagnosis of Heart Failure in the Fetus”, First International Conference on Heart Failure in Children and Young Adults: From Molecular Mechanisms to Medical and Surgical Strategies, Dec 8-6, 2003, Houston, TX.
 97. Martinez R, Huhta JC, Perinatal prognosis with fetal nonimmune hydrops: The cardiovascular profile score, Presented at Boston Children’s Hospital, June, 2003
 98. Lectures entitled: “Intraoperative assessment during the Ross procedure”, and “Evaluating the fetus with transposition of the great arteries.” In “Controversies of Switch, Ross, and Right Ventricular Outflow Tract Procedures”, 4th Annual International Symposium on Congenital Heart Disease, Feb. 13-17, 2004, St. Petersburg, FL.
 99. Lecture entitled: “Myocardial dysfunction in the Fetus”, Doppler Ultrasound in the Fetus Examination 13th International Symposium, Mar 28-Apr 2, 2004, Oberleck-Arlberg, Austria.
 100. Lecture entitled: “Perinatal Hemodynamics” at Tampa General Hospital Congenital Heart Disease Lectures, Tampa, FL, June 2, 2004.
 101. Lectures entitled: “Application of the cardiovascular profile score to congenital heart disease” & “Doppler Rp/Rs index predicts superior mesenteric ischemia in premature neonates”, 13th International Parma Echo Meeting from Fetus to Young Adults, Parma, Italy, June 8-10, 2004
 102. Lecture entitled: “PDA, PFO & Perinatal Management of Neonates with CHD”, ACH/USF Resident’s Lecture Series, All Children’s Hospital, Sept 13, 2004, St Petersburg, FL.
 103. Lecture entitled: “Advances in Fetal Echocardiography and Perinatal Cardiology” and “Indications for Fetal Echocardiography”, OB/Gyn Residency Consortium Hospital Episcopal San Lucas, Ponce, PR, Oct 1, 2004.
 104. Lecture entitled: “The Perinatal Patient”, The Society of Thoracic Surgeons, Chicago, IL, Oct 21-23, 2004
 105. Lecture at the 10th Anniversary of the Children’s Heart Center, Linz, Austria. “Pre and postoperative echocardiographic assessment of HLHS” April 23, 2005
 106. Lectures entitled: “Impact of fetal interventional procedures” “New horizons in perinatal cardiology” III Spanish National Congress of Pediatric Cardiology, Madrid, Spain. May 26-28, 2005
 107. Lectures entitled: “Fetal cardiac intervention” “Folate and CHD”, 14th International Parma Echo Meeting from Fetus to Young Adults, Parma, Italy, June 7-9, 2005

108. Pediatric Grand Rounds: Tampa General Hospital, July 28, 2005, Biochemical markers of heart failure in pediatrics.
109. Lecture to the Tampa Bay Latin American Medical Society and Florida Chapter of the American College of Cardiology, "Perinatal Cardiology", Sept. 3, 2005
110. Invited Lecture: "Diagnosis and Treatment of Fetal Cardiac Failure" Podium presentation at the 4th World Congress of Pediatric Cardiology, Buenas Aires, Argentina, Sept. 20, 2005
111. Invited Lecture: "Homocysteine and Folic Acid in the Development and Prevention of Congenital Heart Defects" Podium presentation at the 4th World Congress of Pediatric Cardiology, Buenas Aires, Argentina, Sept. 20, 2005
112. Invited lectures "Fetal Cardiology", "Fetal Heart Failure", and "Fetal Cardiac Interventions" 24th Interamerican Congress of Cardiology, the 20th Congreso Nacional de Cardiología, Cancun, Mexico January, 2006
113. Invited lecture: Update on folic acid prevention of CHD, Department of Pediatrics, University of Oulu, Finland, 20 March, 2006
114. Lectures entitled: Fetal congestive heart failure, Fetal cardiac intervention, and Folate and CHD, at the Tromso Course on Perinatal Cardiology.
115. Invited lecture: Update on folic acid prevention of CHD, Department of Obstetrics, Helsinki University, Finland, 30 March, 2006
116. Chair, Session on New Advances in Fetal Diagnosis, Heart Rhythm Society, Boston, May, 2006
117. Meet the experts: My worst miss, my best pickup, At the American Society of Echocardiography, Baltimore, MD, June 5, 2006
118. Invited lecture: "Fetal Cardiology" Suncoast Pediatric meeting, Clearwater, FL June 11, 2006
119. Invited Lectures: Evidence-based parental counseling, The future of fetal interventions, Fetal cardiac failure, The fetal circulation, Cardiac evaluation in twin-twin transfusion syndrome, Outcomes of fetal cardiac disease, 8th Fetal International Cardiology Symposium, Nice, France, June 15-17, 2006
120. Invited Lectures: Acido fólico en la prevención de cardiopatía congénita, Diagnóstico de cardiopatías congénitas, Diagnóstico de falla cardíaca fetal. Intervencionismo cardíaco fetal, Validación del perfil cardiovascular fetal, PRIMER SIMPOSIO DE MEDICINA MATERNO FETAL HOSPITAL UNIVERSITARIO INFANTIL DE SAN JOSE Bogota, Colombia, July 13-15, 2006
121. Invited Lecture: Snellman Foundation: Prevention of cardiac defects, Oulu University, Sept. 4, 2006.
122. 22nd Annual Echocardiography in Pediatric and Adult Congenital Heart Disease, Mayo Clinic: Oct. 8-11, 2006, Lectures, Changes in CHD Morphology in Utero, Total Anomalous Pulmonary Venous Connection: Diagnosis, associations and long-term challenges, Cardiovascular Function Before Birth: Using Echo to Assess Fetal Cardiac Performance, Prenatal Interventional Cardiology: Where Are We in 2006?
123. Invited lecture: Fetal Echocardiography in High Risk Congenital Defects, Advances in Fetology: New Approaches in Prenatal Diagnosis at Cincinnati Children's Hospital, September 29, 2007,
124. Vector Velocity Imaging, presented at the 5th Annual Advances in Perinatal Cardiology, Oct.11-13, 2007, All Children's Hospital, St. Petersburg, FL

125. Invited lecture: "The evolution of CHD in utero", presented at the 2nd Annual Perinatal/Neonatal Conference, Des Moines, IA,
126. Grand Rounds: Congenital heart disease in utero, Wintrop University, Long Island, New York , Department of Obstetrics and Gynecology, Nov. 5th, 2007
127. Moderator, Expanding the Noninvasive assessment of Cardiac and Vascular structure and function in children, AHA meeting, Orlando, FL Nov. 5th, 2007Invited Lecture, The
128. Evolution of Congenital Heart Disease, Dev Maulik and Ray Bahado-Singh, Chairs, SMFM Scientific Forum on Congenital Heart Disease, January 30, 2008, Dallas, Texas
129. Signature Interdisciplinary Program in Cardiovascular Research 2008 Seminar Series "Fetal congestive heart failure: Translational studies of mouse and human", Presented January 8, 2008, USF.

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