

CURRICULUM VITAE

PERSONAL DATA

Name Thomas J. Kulik, MD
Born Denver, Colorado

EDUCATION

1966- 1969 Abraham Lincoln High School, Denver, Colorado
1969- 1973 University of Denver, Denver, Colorado, B.A., Psychology
1973-1977 University of Colorado School of Medicine, M.D.

POSTDOCTORAL TRAINING

June 1977- June1978 Intern, Department of Pediatrics, University of Minnesota,
Minneapolis, Minnesota
July 1978- June1979 Resident, Department of Pediatrics, University of Minnesota,
Minneapolis, Minnesota
July 1979- June1983 Fellow, Department of Pediatrics, University of Minnesota,
Minneapolis, Minnesota (Pediatric Cardiology)

SENIOR POSTDOCTORAL TRAINING

July 1989- June1994 NIH Clinical Investigator Award research
(laboratories of Drs. B. Nadal-Ginard and David R. Gordon)

ACADEMIC APPOINTMENTS

July 1983- June1984 Assistant Professor, Department of Pediatrics, University of
Minnesota School of Medicine
July 1984- July 1992 Assistant Professor, Department of Pediatrics Harvard
Medical School
Aug. 1992- June 1999 Associate Professor, Department of Pediatrics and
Communicable Diseases, University of Michigan
July 1999 - June 2001 Professor, Department of Pediatrics and Communicable
Diseases, University of Michigan
July 2001 – June 2006 Amnon Rosenthal Professor of Pediatrics and
Communicable Diseases, University of Michigan
July 2006 -- Professor of Pediatrics, University of Cincinnati College of
Medicine

ACADEMIC ADMINISTRATIVE APPOINTMENTS

Aug. 1992 – June 2006	Medical Director, Pediatric Cardiothoracic Intensive Care Unit, C.S. Mott Children's Hospital
Oct. 2001 – June 2006	Associate Chair of Clinical Affairs, Department of Pediatrics and Communicable Diseases
Feb. 2003 – Sept. 2003	Interim Chair, Department of Pediatrics, University of Michigan
July 2006 – March 2008	Director, Division of Cardiology, Cincinnati Children's Hospital Medical Center

CLINICAL/HOSPITAL APPOINTMENTS

July 1983- June 1984	Faculty physician, University of Minnesota Hospitals
July 1984- July 1992	Faculty physician, Boston Children's Hospital
Aug. 1992- June 2006	Faculty physician, C.S. Mott Children's Hospital, University of Michigan
July 2006 – present	Faculty physician, Cincinnati Children's Hospital Medical Center

CONSULTING POSITIONS

None

SCIENTIFIC ACTIVITIES

- 1) Recent ad hoc reviewer for:
Circulation
- 2) 2001-2005: Advisory Editorial Board Member, Korean Journal of Cardiovascular Diseases
- 3) 2003: Member of NIH study section for SCCOR on Pediatric Heart Development and Disease
- 4) 2004: Member NIH study section for review of T32 cardiovascular training grant applications
- 5) 2004 - present: Chair, NIH Data Safety and Monitoring Board for SCCOR in Pediatric Heart Development and Disease
- 6) 2006 – panel member for NIH Strategic Planning Effort (Valvular and Congenital Diseases)

CURRENT GRANT SUPPORT

None

CERTIFICATION AND LICENSURE

1983	American Board of Pediatrics, Certificate No. 28,833
1983	American Board of Pediatrics, Sub-Board of Pediatric Cardiology, Certificate No. 657
2002	American Board of Pediatrics, Sub-Board of Pediatric Cardiology, certificate renewal
1992	Michigan License, Registration No. 4301060577
2006	Ohio Medical license, Licence No. 35- 088605

MILITARY SERVICE

None

HONORS AND AWARDS

1973	Phi Beta Kappa (University of Denver)
1992	<u>Oxygen consumption measurement and its application in determination of cardiac output in neonates and infants following cardiac surgery</u> by AC Chang, TJ Kulik, DL Wessel. Chosen as best clinical research paper for Scientific Program of the Section on Critical Care of the American Academy of Pediatrics (October 1992 meeting, San Francisco).
1998	John D. Hughes Lecturer and Visting Professor, University of Indiana and Riley Children's Hospital, Indianapolis, IN, May 27 and 28, 1998.
2001-	listed in "Guide to America's Top Physicians"
2003-	listed in "Best Doctors in America"
2006	Marquis Who's Who in Medicine and Healthcare

MEMBERSHIPS AND OFFICES IN PROFESSIONAL SOCIETIES

Member, Society for Pediatric Research
Member, American Pediatric Society
Member, American Heart Association

CLINICAL ACTIVITIES

Attend in CICU 4 weeks / year
Attend on CICU consult service 4 weeks / yr
Attend outpatient pediatric cardiology clinic ½ day / week
Attend outpatient pediatric cardiology clinic at Harrison 4, ½ days/yr

TEACHING ACTIVITIES

Harvard Medical School

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|-----------|---|
| 1984-1992 | Director of medical student rotations on cardiology elective at Children's Hospital, Boston, Massachusetts |
| 1984-1992 | Involved in education of housestaff and fellows on the cardiology service, Children's Hospital, Boston, Massachusetts |
| 1984-1992 | Taught second year Harvard medical students cardiovascular physiology |

University of Michigan

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|-------------|---|
| 1992- 2006 | Involved in education of medical students, house officers, and pediatric cardiology fellows at C.S. Mott Children's Hospital: <ul style="list-style-type: none">a) Give monthly Pediatric Cardiothoracic Intensive Care Unit Morbidity and Mortality and Discussion Conference (1992-present)b) Give weekly Pediatric Cardiothoracic Intensive Care Unit Teaching Rounds (along with Dr. E. Bove) (1993-present)c) Give 4 part Introduction to Pediatric Cardiac Intensive Care lecture series (1993-present)d) Give lecture: ECMO for Postoperative Pediatric Cardiac Patients for annual University of Michigan ELSO Introductory course (1994-present)e) Teach students, housestaff, and fellows during clinical rotations on Pediatric Cardiothoracic Intensive Care Unit and in pediatric cardiology clinic (1992-present) |
| 1993- 2006: | Director, "Basic Science-Clinical Medicine Correlations Course": <u>Basic Biology in Pediatric Cardiac Disease.</u> |
| 1997 | Member, Ph.D. thesis committee for Byung-soo Kim (University of Michigan) |

2002 Member, Ph.D. thesis committee for Janeta Nokolovski (University of Michigan)

University of Cincinnati

- 2006 – present:
- a) Weekly CICU teaching rounds (1 hr, Friday AM)
 - b) Teaching of cardiology fellow in AM cardiology clinic
 - c) Teaching cardiology and critical care fellows while attending on the CICU.
 - d) Lectures in Monday Noon Conference (2 / yr) and Clinical Didactic Conference (1 / yr).

EXTRAMURAL INVITED LECTURES

1. Pharmacologic Management of Pulmonary Hypertension. Invited talk given at the American Lung Association/American Thoracic Society Annual Meeting, Kansas City, MO, May 11-14, 1986.
2. Leukotrienes and the Immature Pulmonary Circulation. Invited talk given at the 2nd Grover Conference, Deckers, CO, September 15-18, 1986.
3. Effect of stretch on vascular smooth muscle cells. Seminar given at the Respiratory Physiology Seminar Series, Harvard School of Public Health, Boston, MA, October 1990.
4. Effects of stretch on pulmonary vascular smooth muscle. Invited talk given at the Pulmonary and Critical Care Unit Research Seminar Series, Massachusetts General Hospital, Boston, MA, March 25, 1991.
5. Stretch-induced shape change in cultured pulmonary vascular smooth muscle cells. Invited talk given at Mechanical Stress Effects on Vascular Cells, sponsored by Emory University School of Medicine and Georgia Institute of Technology, Atlanta, GA, April 20-21, 1991.
6. Management of the postoperative Norwood patient. Invited talk given at the American Association of Thoracic Surgery 1994 Postgraduate Course on Congenital Heart Disease. NY, NY, April 24, 1994.
7. The use of inotropic drugs in the treatment of cardiac failure after open-heart surgery in the newborn: new perspectives, and, The use of ECMO in the treatment of refractory low output syndrome after open-heart surgery in the newborn. Invited talks given at Heart Failure After Cardiac Surgery conference (Sponsored by the Università degli Studi di Milano, Ospedale Clinicizzato S. Donato, and Centro per lo Studio e la Terapia delle Malattie Cardiovascular "E. Malan", Milan, Italy, May 7, 1994.
8. Preoperative management of the patient with hypoplastic left heart syndrome and, Postoperative management of the patient with hypoplastic left heart syndrome. Invited talks given at the International Congress of Paediatric Cardiology and Cardiac Surgery, Liverpool, England, May 4 and 5, 1995.
9. Pulmonary Hypertension, Etiology and Treatment, and Management of Hypoplastic Left

- Heart Syndrome. Invited talks/seminar, First international Symposium on Pediatric Cardiac Intensive Care, Palm Beach, FL, Oct. 3-5, 1996.
10. Mechanical Support of the Circulation, Invited talk given at the American Heart Association 69th Scientific Sessions, Cardiovascular Seminar Critical Care of the Child With Congenital Heart Disease, New Orleans, LA, November 10, 1996.
 11. Pediatric Cardiology: Humble Prognostications, invited talk given at Hospital De Santa Marta, 35 Anos De Cirurgia Do Coracao Aberto, Lisbon, Portugal, April 12, 1997.
 12. Principles of Postoperative Management of Children with Congenital Heart Disease, invited talk given at An International Perfusion Symposium, sponsored by AmSECT, at Detroit Children's Hospital Sept. 14, 1997.
 13. Invited Faculty, International Heart School, Bergamo, Italy, Sept. 17-21, 1997.
 14. Postoperative ICU Management of the Child With a Fontan Correction, invited talk given at the Third International Workshop on Pediatric Cardiothoracic Surgery, Marina Del Rey, CA, Oct. 2-3, 1997.
 15. Postoperative management of the infant with single ventricle, invited talk given at the American Academy of Pediatrics Annual Meeting, New Orleans, LA, Nov. 1, 1997.
 16. Visiting Professor, Denver Children's Hospital, Denver, CO, Nov. 19, 1997.
 17. Pulmonary hypertension: update on new therapies, invited talk given at the Second International Symposium on Pediatric Cardiac Intensive Care, Palm Beach, FL, Dec. 5, 1997.
 18. Perioperative Management of the Patient with A Single Ventricle, and Controversies in Pediatric Cardiology, and American College of Cardiology Annual Meeting, Atlanta, GA, Mar. 30 and 31, 1998.
 19. John D. Hughes Lecturer and Visiting Professor, Riley Hospital for Children, Univ. of Indiana, Indianapolis, IN, May 26 and 27, 1998.
 20. ICU Management of Infants With Hypoplastic Left Heart, "Meet the Experts" session, American College of Cardiology 48th Annual Scientific Session, New Orleans, LA, Mar 9, 1999.
 21. Multiple invited talks at XXXVI Congreso Chileno de Cardiologia y Cirugia Cardiovascular, Puerto Varas, Chile, Dec. 1-3, 1999.
 22. Manipulation of systemic and pulmonary blood flows, invited talk at the Third International Symposium on Pediatric Cardiac Intensive Care, Miami, FL, Dec 8 – 11, 1999.
 23. HLHS: After Norwood Palliation. Invited talk given for Hypoplastic Left Heart Syndrome Symposium, Alder Hey, Liverpool, UK, Sept 20-21, 2001.
 24. Outcome determinants in pediatric cardiac intensive care. Invited talk given at the Fourth International Symposium on Pediatric Cardiac Intensive Care, Miami FL, Dec 6-8, 2001.
 25. ECMO for Children with Ventricular Dysfunction and Norwood Palliation for HLHS.

Postoperative Management. Invited talks given at the 14th Pediatric Cardiovascular Disease conference, Snowbird, UT, Jan 19-22, 2002.

26. ECMO for Patients With a Single Ventricle, invited talk at the 4th World Congress on Pediatric Intensive Care, Boston MA, June 8-12, 2003.
27. The Long Road to a Very Strange operation. Invited talk given at the 16th Pediatric Cardiovascular Disease conference, Snowbird, UT, Feb18, 2006.
28. Visiting Professor, Maria Fareri Children's Hospital at Westchester Medical Center, Valhalla, New York, April 16, 2008.
29. Lorraine Newman Visiting Professor, Division of Pediatric Cardiology, University of California at San Francisco. April 29 – May 1, 2008.

COMMITTEE AND ADMINISTRATIVE SERVICE

Local

1992 – 2006	Pediatric Cardiothoracic Intensive Care Unit Joint Practice Committee
1993 – 2006	Holden Joint Practice Committee
1993 --1996	Research Advisory Committee (Pediatrics)
1994 – 2004	Infant Child Care Ethics Committee, C.S. Mott Children's Hospital
1996 – 2006	Member, General Clinical Research Center Operating Committee,
1996 – 2006	Member, Pediatric Medical and Surgical Joint Practice Committee
1997-- 1999	Member, Faculty Group Practice Finance Subcommittee
1998	Member, Monitor Replacement Steering Committee University of Michigan
2001- 2004	Member, McKay Grants Research Review Committee
2001 – 2006	Associate Chair of Clinical Affairs, Department of Pediatrics and Communicable Diseases
2003 -- 2004	Member, Faculty Group Practice Board of Directors
2004 – 2006	Pediatric Department representative, Orders Management Project
2007 --	Outpatient CSI Committee, CCHMC

National

1998 - 2004	Member, New York State Ad Hoc Committee on Pediatric Cardiac Services
2001- 2006	Member, Sub-Board of Pediatric Cardiology, American Board of Pediatrics (Chair, 2004-2006)
2003- 2005	American College of Cardiology / American Heart Association Steering Committee to Develop a Clinical Competence and Training Statement on Pediatric Cardiology
2004 - present	Member, American Board of Pediatrics (elected)
2004 - present	Member, New York State Cardiac Advisory Committee

PATENTS

none

BIBLIOGRAPHY

Completed Publications in Scientific Journals

Peer Reviewed Publications

1. Kulik TJ, Foker JE, Lucas RV, Jr., Anderson RW, Lock JE: Postoperativ hemodynamics in children with polytetrafluoroethylene shunts. Circulation, 1981, 64 (Suppl II):123-130.
2. Kulik TJ, Bass JL, Fuhrman BP, Moller JR, Lock JE: Exercise induced pulmonary vasoconstriction. Br Heart J, 1983, 50:59-64.
3. Benson DW, Benditt DG, Anderson RW, Dunnigan A, Pritzker MR, Kulik TJ, Zavoral JH: Cardiac arrest in young ostensibly healthy patients: Clinical, hemodynamic, and electrophysiologic findings. Am J Cardiol, 1983, 52:65-69.
4. Mammel MC, Einzig S, Kulik TJ, Thompson TR, Lock JE: Pulmonary vascular effects of amrione in conscious lambs. Pediatr Res, 1983, 17:720-723.
5. Kulik TJ, Johnson DE, Elde RP, Lock JE: Pulmonary vascular effects of bombesin and GRP in conscious lambs. J Appl Physiol, 1983, 55(4):1093-1097.
6. Lock JE, Kulik TJ, Green TP, Niemi T, Einzig SE: Resting and exercise renal blood flows in immature ovine aortic coarctation: impact of gradient relief. Circ Res, 1983, 56:644-654.
7. Kulik TJ, Johnson DE, Elde RP, Lock JE: Pulmonary vascular effects of vasoactive intestinal peptide in conscious newborn lambs. Am J Physiol, 1984, 246:H716-719.
8. Lock JE, Bass JL, Kulik TJ, Fuhrman BP: Chronic percutaneous pericardial drainage with modified pigtail catheters in children. Am J Cardiol, 1984, 53:1179-1182.
9. Gatto C, Johnson MC, Seybold V, Kulik TJ, Lock JE, Johnson DE: Distribution and quantitative developmental changes in guinea pig pulmonary receptors. J Appl Physiol, 1984, 57:1901-1097.
10. Ring JC, Kulik TJ, Burke BA, Lock JE: Morphologic changes induced by dilation of the pulmonary valve annulus with over-large balloons in normal newborn lambs. Am J Cardiol, 1984, 55:210-214.
11. Ring JC, Bass JL, Marvin W, Fuhrman BP, Kulik TJ, Foker JE, Lock JE: Management of congenital branch pulmonary artery stenosis with balloon dilation angioplasty: report of 52 procedures. J Thorac and Cardiovasc Surg, 1985, 90:35-45.
12. Kulik TJ, Johnson DE, Lock JE: Pulmonary vascular effects of leu⁵enkephalin in conscious newborn lambs. Peptides, 1985, 6:1-5.
13. Kulik TJ, Schutjer RK, Howland DF, Lock JE: Pulmonary and systemic vascular effects of SRS-A blockade in conscious lambs. Am J Physiol, 1985, 249 (Heart Circ Physiol 18):H968-H973.

14. Johnson DE, Kulik TJ, Lock JE, Elde RP, Thompson TR: Bombesin calcitonin and serotonin-immunoreactive pulmonary neuroendocrine cells in acute and chronic neonatal lung disease. Pediatr Pulmonol, 1985, 1 (suppl):S13-S20.
15. Fuhrman BP, Smith-Wright DC, Kulik TJ, Lock JE: Effects of static and fluctuating airway pressure on intact pulmonary circulation. J Appl Physiol, 1986, 60(1):114-122.
16. Archer SL, Kulik TJ, Chesler E, Weir EK: The effects of substance P on the precontracted pulmonary vasculature of the anesthetized dog. J Proc Soc Exptl Biol Med, 1986, 183:19-27.
17. Helgason H, Keane JF, Fellows KE, Kulik TJ, Lock JE: Balloon dilation of the aortic valve: Studies in normal lambs and in children with aortic stenosis. J Am Coll Cardiol, 1987, 9:816-822.
18. Kulik TJ, Johnson DE, Elde RP, Lock JE: Pulmonary and systemic vascular effects of serotonin in conscious newborn lambs. Develop Pharm Ther, 1988, 11:135-141.
19. Kulik TJ, Evans JN, Gamble WJ: Stretch induced-contraction in pulmonary arteries. Am J Physiol: Heart and Circ Physiol, 1988, H1391-H1398.
20. Rothman A, Kulik TJ: Pulmonary hypertension and asthma in 2 children with congenital heart disease. Am J Dis Child, 1989, 143:977-979.
21. Mandell VS, Lock JE, Mayer JE, Parness IA, Kulik TJ: The "laid-back" aortogram: An improved angiographic view for demonstration of the coronary arteries in transposition of the great arteries. Am J Cardiol, 1990, 65:1379-1383.
22. Anderson WD, Kulik TJ, Mayer JE: Inhibition of contraction of isolated lymphatic ducts by atrial natriuretic peptide. Am J Physiol: Reg and Integrative Physiol, 1991, 260:R610-R614.
23. Chang AC, Wernovsky G, Kulik TJ, Jonas RA, Wessel DL: Management of the neonate with transposition of the great arteries and persistent pulmonary hypertension. Am J Cardiol, 1991, 68:1253-1255.
24. Kulik TJ, Bialecki RA, Colucci WS, Rothman A, Glennon ET, Underwood RH: Stretch increases inositol triphosphate and inositol tetrakisphosphate in cultured pulmonary vascular smooth muscle cells. Biochem Biophys Res Commun, 1991, 180:982-987.
25. Sadoshima J, Jahn L, Takahashi T, Kulik TJ, Izumo S: Molecular characterization of the stretch-induced cardiac adaptation of cultured cardiac cells. J Biol Chem, 1992, 267:10551-10560.
26. Bialecki RA, Kulik TJ, Colucci WS: Stretching increases calcium influx and efflux in cultured pulmonary arterial smooth muscle cells. Am J Physiol (Lung Cell, and Mol Physiol), 1992, 7:L602-L606.
27. Rothman A, Kulik TJ, Taubman MB, Berk BC, Smith CWJ, Nadal-Ginard B: Development and characterization of a cloned rat pulmonary arterial smooth muscle cell line which maintains differentiated properties through multiple subcultures. Circulation, 1992, 86:1977-1986.

28. Chang AC, Kulik TJ, Hickey PR, Wessel DL: Real-time gas-exchange measurement of oxygen consumption in neonates and infants after cardiac surgery. Crit Care Med, 1993, 21: 1369-75.
29. Wessel DL, Adatia I, Giglia T, Thompson JE, Kulik TJ: Use of inhaled nitric oxide and acetylcholine in evaluation of pulmonary hypertension and endothelial function after cardiopulmonary bypass. Circulation, 1993, 88: 2128-2138.
30. Kulik TJ, Alvarado SP: Effect of stretch on growth and collagen synthesis in cultured rat and lamb pulmonary arterial smooth muscle cells. J Cell Physiol, 1993, 157:615-624.
31. Lupinetti FM, Kulik TJ, Beekman, RH III, Crowley DC, Bove, EL: Correction of total anomalous pulmonary venous connection in infancy. J Thorac Cardiovasc Surg, 1993, 106:880-885.
32. Iannetoni MD, Bove EL, Mosca RS, Lupinetti FM, Dorostkar PC, Ludomirski A, Crowley DC, Kulik TJ, Rosenthal A: Improving results with first stage palliation for hypoplastic left heart syndrome. J Thorac Cardiovasc Surg, 1994, 107: 934-40.
33. Kolpakov V, Gordon D, Kulik TJ: Nitric oxide-generating compounds inhibit total protein and collagen synthesis in cultured vascular smooth muscle cells. Circ Res 1995, 76: 305-309.
34. Kolpakov V, Rehker MD, Gordon D, Wang WH, Kulik TJ: The effect of mechanical forces on growth and matrix protein synthesis in the in vitro pulmonary artery. An analysis of the role of individual cell types. Circ Res 1995, 77: 823-831.
35. Mosca RS, Bove EL, Crowley DC, Sandhu SK, Schork MA, Kulik TJ: Hemodynamic characteristics of neonates following first stage palliation for hypoplastic left heart syndrome. Circulation, 1995, 92: II-267-II-271.
36. Schwartz SM, Gordon D, Mosca RS, Bove EL, Heidelberger KP, Kulik TJ: Collagen content in normal, pressure, and pressure-volume overloaded developing human hearts. Am. J. Cardiol 1996, 77: 734-738.
37. Kulik TJ, Moler FW, Palmisano JM, Custer JR, Mosca RS, Bove EL, Bartlett RH: Outcome-associated factors in pediatric patients treated with extracorporeal membrane oxygenator after cardiac surgery. Circulation 1996; 94 [suppl II]: II-63-II-68.
38. Bradley SM, Mosca RS, Hennein HA, Crowley DC, Kulik TJ, Bove EL: Bidirectional superior cavopulmonary connection in young infants. Circulation 1996; 94 [suppl II]: II-5-II-11.
39. Kocis KC, Vermillion, RP, Callow, LB, Kulik TJ, Ludomirsky, A, Bove, EL. Complications of femoral artery cannulation for perioperative monitoring in children. J Thoracic and Cardiovasc Surg 1996; 112: 1399-1400.
40. Reyes A II, Bove EL, Mosca RS, Kulik TJ, Ludomirsky A: Tricuspid valve repair in children with hypoplastic left heart syndrome during staged surgical reconstruction. Circulation 1997; 96 [suppl II] II-341-II-345.

41. Mosca RS, Hennein H, Kulik TJ, Crowley DC, Michelfelder E, Ludomirsky A, Bove EL. Modified Norwood operation for univentricular hearts of left ventricular morphology and ventriculoarterial discordance. Ann Thoracic Surg 1997;64: 1126-1132.
42. Kim B-S, Putnam AJ, Kulik TJ, Mooney DJ: Engineering smooth muscle tissue and biodegradable polymer matrices. Biotechnology and Bioengineering 1998; 57: 46-54.
43. Donnelly JP, Raffel DM, Shulkin BL, Corbett JR, Bove EL, Mosca RS, Kulik TJ: Resting coronary flow and coronary flow reserve in human infants following repair or palliation of congenital heart defects as measured by positron emission tomography. J Thoracic and Cardiovasc Surg 1998; 115: 103-110.
44. Mosca RS, Kulik TJ, Marshall K, Hernandez R, Fletcher SE. Mycotic pseudoaneurysm associated with aortic coarctation. J Cardiovasc Magn Reson 2000; 2: 209-212.
45. Mosca RS, Kulik TJ, Goldberg CS, Vermilion RP, Charpie JR, Crowley DC, Bove EL. Results of the Fontan procedure for 100 consecutive patients with hypoplastic left heart syndrome. J Thoracic and Cardiovascular Surg 2000; 119: 1110 - 1118.
46. Charpie, JR, Dekeon, MK, Goldberg, CS, Mosca, RS, Bove, EL, Kulik, TJ. Serial blood lactate measurements predict early outcome following neonatal repair or palliation for complex congenital heart disease. J Thoracic and Cardiovascular Surg 2000; 120: 73-80.
47. Goldberg CS, Schwartz EM, Brunberg JA, Mosca RS, Bove EL, Schork A, Stetz SP, Cheatham JP, Kulik TJ. Neurodevelopmental outcome of patients following the Fontan operation: a comparison among children with hypoplastic left heart syndrome, other functional single ventricle lesions and the standard population. J Pediatrics 2000; 137: 646-652.
48. Charpie JR, Dekeon, MK, Goldberg CS, Mosca RS, Bove EL, Kulik TJ. Postoperative hemodynamics following Norwood palliation for hypoplastic left heart syndrome. Am J Cardiology 2001; 87: 198-200.
49. Kocis KC, Dekeon MK, Rosen HK, Bandy KP, Crowley DC, Bove EL, Kulik TJ. Pressure-regulated volume control vs volume control ventilation in infants after surgery for congenital heart disease. Pediatr Cardiol 2001; 22: 233-7.
50. Hoffman TM, Wernovsky G, Atz A, Bailey JM, Akbary A, Kocis JF, Nelson DP, Chang AC, Kulik TJ, Spray TL, Wessel DL: Prophylactic intravenous use of Milrinone after cardiac operation in pediatrics (PRIMACORP) study. Am Heart Jour. 2002; 143:15-21.
51. Ohye RG, Kulik TJ. A normal chest x-ray. Circulation 2002; 105: 2455-2456.
52. Maher KO, VanDerElzen K, Bove EL, Mosca RS, Chenoweth CE, Kulik TJ. A retrospective review of three antibiotic prophylaxis regimens for pediatric cardiac surgical patients. Annals of Thoracic Surg 2002; 74: 1195-1200.
53. Riegger LQ, Voelpel-Lewis T, Kulik TJ, Malviya S, Tait AR, Mosca RS, Bove EL: Albumin versus crystalloid prime solution for cardiopulmonary bypass in young children. Critical Care Medicine 2002; 30: 2649-2654.

54. Gajarski RJ, Mosca RS, Ohye RG, Bove EL, Crowley DC, Custer JR, Moler FW, Valentini A, Kulik TJ: Use of extracorporeal life support (ECLS) as a bridge to pediatric cardiac transplantation. J Heart Lung Transplant 2003; 22: 28-34.
55. Hoffman TM, Wernovsky G, Atz AM, Kulik TJ, Nelson DP, Chang AC, Bailey JM, Akbary A, Kocsis JF, Kaczmarek R, Spray T, Wessel DT: The efficacy and safety of milrinone in preventing low cardiac output syndrome in infants and children after corrective surgery for congenital heart disease. Circulation 2003; 107: 996-1002.
56. Lim SD, Kulik TJ, Kim DW, Charpie JR, Crowley DC, Maher KO: Aminophylline for the prevention of apnea during prostaglandin E1 infusion. Pediatrics 2003; E27-29.
57. Kolovos NS, Bratton SL, Moler FW, Bove EL, Ohye RG, Bartlett RH, Kulik TJ: Outcome of pediatric patients treated with extracorporeal life support after cardiac surgery. Ann Thorac Surgery 2003; 76:1435-42.
58. Wright G, Crowley DC, Charpie JR, Ohye RG, Bove EL, Kulik TJ: High systemic vascular resistance and sudden cardiovascular collapse in recovering Norwood patients. Ann. Thorac Surgery 2004; 77:48-52.
59. Bailey JM, Hoffman TM, Wessel DL, Nelson DP, Atz AM, Chang AC, Kulik TJ, Spray TL, Akbary A, Miller RP, Wernovsky G. A population pharmacokinetic study of milrinone in pediatric patients after cardiac surgery. Jour Pharmacokinetics and Pharmacodynamics 2004; 31: 43-59.
60. Graham TP, Beekman RH, Freed MD, Hirshsfield JW, Kulik TJ, Kugler JD, McQuinn T, Sahn DJ, Vetter VL, Moskowitz WB. ACC/AHA/AAP clinical competence & training statement on pediatric cardiology: a report of the American College of Cardiology/American Heart Association/American College of Physicians Task Force on Clinical Competence. Task Force 5: Requirements for pediatric cardiac critical care. Thomas Kulik, Therese M Giglia, Keith C. Kocis, Larry T. Mahoney, Steven M. Schwartz, Gil Wernovsky, and David L Wessel. J Am Coll Cardiol 46: 1378-1403, 2005.
61. Goldberg CS, Bove EL, Devanaey EJ, Mollen E, Schwartz E, Tindall S, Nowak C, Charpie, J, Brown MB, Kulik TJ, Ohye RG. A randomized clinical trial of regional cerebral perfusion versus deep hypothermic circulatory arrest: outcomes for infants with functional single ventricle. J Thorac Cardiovascular Surg 133: 880-7, 2007.

Non-Peer Reviewed Publications

1. Kulik TJ, Lock JE: The assessment of pulmonary vascular tone: A review of experimental methodologies. Ped Pharm, 1984, 4:73-83.
2. Kulik TJ and Lock JE: Pulmonary vasodilator therapy in persistent pulmonary hypertension of the newborn. Clin Perinatol, 1984, 11:693-701.
3. Bass JL, Fuhrman BP, Kulik TJ, Lock JE: Thoracic interventional procedures in children. Semin Interventional Radiol, 1984, 1:195-200.

4. Kulik TJ, Lock JE: Leukotrienes and the immature pulmonary circulation. *Am Rev Respiratory Dis*, 1987, 136:220-222.
5. Mandell VS, Lock JE, Mayer JE, Parness IA, Kulik TJ: The "laid-back" aortogram: An improved angiographic view for demonstration of the coronary arteries in transposition of the great arteries. *Yearbook of Cardiology*, 1991, ed. R. Schlant, Mosby Yearbook Publishers, St. Louis, pp. 212-213.
6. Mandell VS, Lock JE, Mayer JE, Parness IA, Kulik TJ: The "laid-back" aortogram: An improved angiographic view for demonstration of the coronary arteries in transposition of the great arteries. *Yearbook of Diagnostic Radiology*, 1992, ed. M.P. Federle, Mosby Yearbook Publishers, St. Louis, pp. 429-431.
7. Kulik TJ and Dick M II, guest editors, Pediatric Cardiovascular Intensive Care, in *Progress in Pediatric Cardiology*, 1995; 4: 111-184.
8. Kulik TJ, and Dick M II, Pediatric cardiovascular intensive care: current insights and future directions. *Progress in Pediatric Cardiology* 1995; 4: 111-115.
9. Kulik TJ: Inhaled nitric oxide in the management of congenital heart disease. *Current Opinion in Cardiology* 1996; 11: 75-80.
10. Charpie JR, and Kulik TK: Pre- and post-operative management of infants with hypoplastic left heart syndrome. *Progress in Pediatric Cardiology* 1996; 5: 49-56.
11. Checchia PA, Kulik TJ, Acute viral myocarditis: diagnosis. *Pediatric Critical Care Medicine* 2006; 7 (Suppl.) S8 – S-11.

Articles Accepted for Publication:

1. Kulik TJ, Physiology of Congenital Heart Disease in the Neonate, in *Fetal and Neonatal Physiology*, 3rd ed., RA Polin, WW Fox, and Abman SH, eds. Saunders.

Articles Submitted for Publication:

None

Books:

None.

Chapters in Books

1. Kulik TJ and Reid L, "Neonatal pulmonary vasculature", in *Fetal, Neonatal, and Infant Cardiac Disease*. J.H. Moller and W. Neal, eds., Appleton and Lange, 1989, pp. 91-131.

2. Kulik TJ, "Pulmonary hypertension", in: Pediatric Cardiology, 3rd ed, A.S. Nadas and D.C. Fyler, eds., Hanley and Belfus, 1992, pp. 83-100.
3. Kulik TJ, "Pulmonary hypertension", in Pediatric Cardiac Intensive Care, AC Chang, FL Hanley, G Wernovsky, and DL Wessel, eds., Williams and Wilkins, 1998, pp. 497 - 506.
4. Mosca RS and Kulik TJ, Postoperative Problems, in Pediatric Cardiovascular Medicine, J.H. Moller and J.I.E. Hoffman, eds., Churchill-Livingstone, 2000, p. 927 –931.
5. Kulik, TJ and Moler FW. Extracorporeal life support for infants and children with cardiac disease, in ECMO, Extracorporeal Cardiopulmonary Support in Critical Care, 2rd ed, JB Swischenberger, RH Steinhorn, RH Bartlett, eds., Extracorporeal Life Support Organization, 2000, pp. 563-576.
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