

CURRICULUM VITAE

Kim F Duncan, MD

CAMPUS ADDRESS: Department of Surgery-Cardiothoracic Surgery
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EDUCATION

1974 BS, Medical Science, University of Alberta
1976 MD, Doctor of Medicine, University of Alberta
1986 MS, Surgery, University of Alberta

POST DEGREE TRAINING

6/1976 - 6/1977 Junior Rotating Internship, Ottawa Civic Hospital, Ottawa, Ontario, Canada
7/1977 - 6/1982 Residency, General Surgery, University of Alberta Hospitals, Edmonton, Alberta, Canada
7/1980 - 6/1981 Residency, Surgical Research, Medical Research Institute, University of Alberta, Edmonton, Alberta, Canada
1/1983 - 6/1984 Residency, Thoracic and Cardiovascular Surgery, University of Alberta, Edmonton, Alberta, Canada
7/1984 - 6/1985 Fellowship, Senior Surgical Registrar, Cardiothoracic Unit, The Hospital for Sick Children, Great Ormand Street, London, England
7/1985 - 6/1986 Fellowship, Clinical Instructor, Surgery-Cardiothoracic Surgery, University of Toronto, Ontario, Canada

ACADEMIC APPOINTMENTS

2005 - Present Professor, Surgery-Cardiovascular & Thoracic Surgery, University of Nebraska Medical Center, Omaha, NE
1993 - 1996 Associate Professor, Surgery, University of Nebraska Medical Center, Omaha, NE
1986 - 1993 Assistant Professor, Surgery, University of Manitoba, Winnipeg, Canada
2005 - 2011 Assistant Clinical Professor, Surgery, Creighton University School of Medicine, Omaha, NE

CERTIFICATIONS AND LICENSES

1982 - Present Royal College of Physicians and Surgeons of Canada General Surgery 306554
1984 - 2006 American Board of Surgery 29657
1987 - Present Royal College of Physicians and Surgeons of Canada Cardiovascular & Thoracic Surgery 306554
1987 - 2027 American Board of Thoracic Surgery 4507
2009 - 2027 American Board of Thoracic Surgery Congenital Heart Surgery 20
1986 - 1993 Manitoba Medical License, Canada, 13-015
1993 - Present Nebraska Medical License 19129
2008 - 2014 South Dakota Medical License 7310

GRANTS AND CONTRACT SUPPORT

OTHER APPOINTMENTS AND POSITIONS

1986 - 1989	Associate Staff, Surgery, Health Science Centre, Winnipeg, Manitoba, Canada
1986 - 1993	Chief, Pediatric Cardiovascular Surgery, Children's Hospital, Winnipeg, Manitoba, Canada
1987 - 1993	Surgical Director, Variety Children's Heart Center, Winnipeg, Manitoba, Canada
1989 - 1993	Active Staff, Surgery, Health Sciences Centre, Winnipeg, Manitoba, Canada
1989 - 1993	Consulting Staff, Surgery, St. Boniface General Hospital, Winnipeg, Manitoba, Canada
1993 - 2011	Director, Cardiothoracic Surgery, Children's Hospital & Medical Center, Omaha, NE,
1994 - 1996	Clinical Instructor, Pediatrics, University of Nebraska Medical Center, Omaha, NE,
1994 - 2011	Courtesy Staff, Surgery, St. Joseph Hospital, Omaha, NE,
1995 - 2011	Courtesy B Staff, Surgery, Nebraska Methodist Hospital, Omaha, NE,
1996 - 2009	Consulting Provisional Staff, Surgery-Cardiothoracic Surgery, St. Elizabeth's Regional Medical Center, Lincoln, NE,
2001 - 2005	Consulting Staff, Surgery, University of Nebraska Medical Center, Omaha, NE,
2005 - Present	Attending Staff, Surgery, University of Nebraska Medical Center, Omaha, NE,
2005 - 2011	Chief, Division of Cardiothoracic Surgery, University of Nebraska Medical Center, Omaha, NE,
2011 - 2018	Vice-Chair of Quality and Compliance, Cardiothoracic Surgery, University of Nebraska Medical Center, Omaha, NE,
2014 - 2016	Chair, Department of Surgery, Children's Hospital & Medical Center, Omaha, NE,

HONORS AND AWARDS

LOCAL

1972 & 1974	Varsity Letters in Football and Rugby, University of Alberta, Canada
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NATIONAL

2007	TSFRE Alley-Sheridan Scholarship, Heller School for Social Policy and Management, Brandeis University, USA
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REGIONAL

1981	Resident Research Award, American College of Surgeons (Alberta Chapter), University of Alberta, Canada
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MEMBERSHIPS AND OFFICES IN PROFESSIONAL SOCIETIES

1980 - Present	Fellow Member, FACS, American College of Surgeons
1982 - Present	Member, Royal College of Physicians & Surgeons of Canada
1987 - 2017	Member, Canadian Cardiovascular Society
1988 - Present	Member, American Heart Association
1991 - Present	Member, Society of Thoracic Surgeons
1994 - Present	Member, American Medical Association
1994 - Present	Nebraska Chapter, FACS, American College of Surgeons
1994 - 2009	Member, MOMS, Nebraska Medical Association

1997 - 2017	Member, American College of Chest Physicians
1998 - 2017	Member, Midwest Pediatric Cardiology Society
1999 - 2005	Member, CT Surgery Section, American Academy of Pediatrics
2005 - Present	Member, Congenital Heart Surgeons Society
2005 - Present	Member, World Society of Congenital Heart Surgery

COMMITTEE ASSIGNMENTS

COLLEGE OF MEDICINE

2007 - Present	Member, Solid Organ Transplant Quality Steering Committee, University of Nebraska Medical Center
2007 - Present	Surgeon Champion, STS National Adult Cardiac Surgery Database, Nebraska Medicine
2007 - 2009	Member, Promotion and Tenure Committee, Department of Surgery, University of Nebraska Medical Center
2008 - 2008	Chairman, Promotion and Tenure Committee, Department of Surgery, University of Nebraska Medical Center
2022 - Present	Member, Curriculum Outcomes Subcommittee, Department of Surgery, University of Nebraska Medical Center

DEPARTMENTAL

2005 - 2011	Member, Department of Surgery, Executive Committee, University of Nebraska Medical Center
2005 - 2012	Member, Cardiovascular Executive Committee, University of Nebraska Medical Center
2010 - 2017	Surgeon Champion, NSQIP Database, Department of Surgery, University of Nebraska Medical Center
2011 - 2017	Vice Chair, Quality and Compliance, University of Nebraska Medical Center

LOCAL/REGIONAL

1998 - 2017	Surgeon Champion, STS Congenital Heart Surgery Database, Children's Hospital & Medical Center
2003 - 2011	Member, Focused Peer Review Committee, Children's Hospital and Medical Center
2005 - 2015	Member, ECMO Advisory Committee, Children's Hospital & Medical Center
2006 - 2011	Member, PICU Interdisciplinary Committee, Children's Hospital & Medical Center
2008 - 2011	Member, Clinical Service Chiefs Committee, Children's Hospital & Medical Center

MEDICAL STAFF

2005 - 2012	Member, OR Services Committee, Nebraska Medical Center
2011 - 2012	Director, Cardiovascular Services, Nebraska Medical Center
2015 - Present	Member, Patient Outcomes Committee, Nebraska Medicine

UNMC

2002 - Present	Member, Clinical Perfusion Advisory Committee, University of Nebraska Medical Center
2006 - 2009	Co-Chairman, UNMC Executive Committee Crew Resource Management, University of Nebraska Medical Center
2010 - Present	Medical Director, Clinical Perfusion Program, College of Allied Health Professionals, University of Nebraska Medical Center

MISCELLANEOUS

1982 - 1982

Sabbatical, Board Preparations; thesis work; Locum Tenens in General Surgery with the physicians of Baker Clinic from July 1, 1982 to December 31, 1982, Royal Alexandra Hospital

PRESENTATIONS

1. Duncan KF; Elliott MJ; Nixon C; London K. Unilateral Phrenic nerve palsy after cardiothoracic surgery in children. XVII World Congress of the International Society of Cardiovascular Surgery; 1985 Aug 26-30
2. Duncan KF. Congenital aortic stenosis in infances: A review 1971-85. The Hospital for Sick Children, great Ormond Street Course in Surgery for Congenital Heat Disease; 1985 Sep 30-Oct 3. London, Unite Kingdom
3. Coles JG; Willimas WG; Watanabe T; Duncan KF; Sheret H; Dasmahapatra H; Freedom RM; Trusler GA. Surgical experience with reparative techniques in congenital mitral valvular anomalies. American Heart Association 59th Scientific Session; 1986 Nov 17-20. Dallas, TX
4. Trusler GA; Duncan KF; Williams WG; Hesslein PS; Olley PM; Benson LN; Izukawa T; Freedom RM. Results with mustard operation in simple transposition of the great arteries 1963-85. American Surgical Association; 1987 Apr 21-23. Palm Beach, FL
5. Duncan KF. Peri-operative care of the cardiac neonate. 6th Annual Pediatric update session on pediactirc cardiology, Health Sciences Center, University of Manitoba; 1987 Oct 1. Winnipeg, Manitoba Canada
6. Duncan KF. Corrective heart surgery in infancy and childhood. 6th Annual Pediatric update session on pediatric cardiology, Health Sciences Center, University of Manitoba; 1987 Oct 1. Winnipeg, Manitoba Canada
7. Duncan KF. Bleeding time prolongation in children with acyanotic congenital heart disease. Canadian Cardiovascular Society Annual Meeting; 1987 Oct 8-31. Edmonton, Alberta Canada
8. Duncan KF. Surgery of Congenital heart defects: Current practice. Annual Conference, Manitoba Health Organization; 1988 Nov. Winnipeg, Manitoba Canada
9. Duncan KF. The Fontan procedure: Indications, techniques, results. Manitoba Operating Room Nurses Association; 1989 Jan 7. Winnipeg, Manitoba Canada
10. Duncan KF. Myocardial preservation: Clinical aspects. Division of Molecular Physiology, NMR Research group National Research Council; 1990 Jan 9. Ottawa, Ontario Canada
11. Duncan KF. Techniques in cardioplegia: Warm induction and reperfusion. The Lunar Society Meeting for congenital heart surgery; 1991 Nov 15. Chicago, IL
12. Duncan KF. Extracorporeal support following surgery for congenital heart defects. Visiting Professor, Pediatrics Grand Rounds, Children's Hospital of Western Ontario; 1991 Nov 18. London, Ontario Canada
13. Giddins N; Duncan KF; Pelech A; McCrindle B; Collins G. Peri-operative left heart dimensions in total anomalous venous connection. Annual meeting of the Canadian Society for Clinical Investigation, The Royal College of Physicians and Surgeons; 1992 Sep 11-14. Ottawa, Ontario Canada
14. Duncan KF. Allografts in cardiac surgery. Symposium on Organ Donation and transplantation; 1992 Nov 27. University of Manitoba Winnipeg, Manitoba Canada
15. Giddins N; Duncan KF; Pierce G; Persad R. Effects of chronic rapid right atrial pacing on hemodynamics and myofibrillar ATP-ase activity in piglets. American College of Cardiology 42nd Annual Scientifica Session; 1993 Mar 14-18. Anaheim, CA
16. Duncan KF. Update on Pediatric Cardiac Surgery. Grand Rounds, Good Samaritan Hospital; 1994 Mar 25. Kearney, NE
17. Duncan KF. Functional single ventricle with aortic obstruction: current management. Symposium on Pediatrics Cardiopulmonary Bypass; 1994 Mar 17. San Diego, CA
18. Duncan KF. Congenital Heart Disease. Perinatal Medical Conference, Good Samaritan Hospital; 1994 Sep 14. Kearney, NE
19. Duncan KF. Managment of congenital heart disease. Nebraska Chapter, American Academy of Pediatrics Meeting, Mahoney State Park; 1994 Nov 19. Ashland, NE
20. Duncan KF. Surgery for Congenital Heart Defect 1995. Regional West Medical Center; 1995 Apr 6. Scottsbluff, NE

21. Duncan KF; Martin F. Post-op Congenital Heart Disease: Management After Discharge. American Academy of Pediatrics, Annual Meeting, Session A256; 1999 Oct 10. Washington, D.C
22. Duncan KF. Surgery for Single Ventricle. Nebraska Society of Anesthesiology annual meeting, Mahoney State Park; 2000 May 6. Ashland, NE
23. Duncan KF. The Ross Procedure; Technical Considerations. Midwest Pediatric Cardiology Society, annual meeting; 2000 Sep15. Milwaukee, WI
24. Amin Z; Danford D; Gremmels D; Schamberger M; Williams WG; Forbes TJ; Strawn JA; Reddy CM; Duncan KF; Moore P; Hanley FL. Determinants of Acute Homograft Failure in Right Ventricular Outflow Tract: A Multi-Institutional Study. American Association for Thoracic Surgery, Annual meeting; 2002 May 5-8. Washington, D.C
25. Hammel JM; Duncan KF. A Two-Stage Surgical Approach to Critical Aortic Stenosis with Severe Left Ventricular Dilation and Dysfunction (poster). Midwest Pediatric Cardiology Society 33rd Annual Scientific Session; 2009 Oct 6-7. Pittsburg, PA
26. Warchol JM; Mill, L; Kugler, JD; duncan kf; Houston K; Erickson CC. Use of Implantable Cardioverter Defibrillators with Non-Transvenous Lead Systems in Pediatric and Adult Sized Congenital Heart Disease Patients. Nebraska Academy of Family Physicians Annual Meeting; 2012 March. Lincoln, NE
27. Hammel JM.; Abdullah I; Duncan KF. Descending Aortic Cannulation for Aortic Arch Reconstruction with Continuous, Normothermic Cardiopulmonary Bypass (video). Congenital Heart Surgeons Society and European Congenital Heart Surgeons Association 3rd Joint Meeting; 2012 Sep 13-15. Chicago, IL
28. Hammel JM.; Abdullah I; Duncan KF. Newborn Aortic Arch Reconstruction with Multi-site Arterial Cannulation and Continuous Cardiopulmonary Bypass Improves Postoperative Renal Function. Society of Thoracic Surgeons 49th Annual Meeting; 2013 Jan 26-30. Los Angeles, CA
29. Hammel JM.; Abdullah I; Duncan KF. Left Ventricular Rehabilitation in Hypoplastic Left Heart Syndrome (video). Congenital Heart Surgeons Society Annual Meeting; 2013 Oct 20-21. Chicago, IL
30. Carson JS; Smith LM; Langenfeld, S; Duncan KF; Schenarts PJ; Thompson JS; Mercer DW; Jarman B; Are C. Influence of a new patient safety/quality metric and cost containment curriculum: A controlled pre- and post-intervention trial. ACS Clinical Congress; 2014 Oct. San Francisco, CA

PUBLICATIONS

A. ARTICLES PUBLISHED IN SCHOLARLY JOURNALS

1. Duncan KF. Autotransplantation of canine pancreatic tissue fragments. Masters of Science Thesis in Surgery. 1986; University of Alberta, Edmonton, Alberta, Canada. Vol. unknown: p. unknown
2. Duncan KF; DeLeval; MR; Sullivan J; Hovath P; Stark J. Transventricular valvotomy for critical aortic stenosis in infants. Journal of Thoracic and Cardiovascular Surgery. 1987; Vol. 93: p. 546-50
3. J.G. Coles; W.G. Williams; T. Watanabe; K.F. Duncan; H. Sherret; H.K. Dasmahapatra; R.M. Freedom; G.A. Trusler. Surgical experience with reparative techniques in patients with congenital mitral valvular anomalies. Circulation. 76 : 117-122. 1987
4. Duncan K, Sullivan I, Robinson P, Horvath P, de Leval M, Stark J. Transventricular aortic valvotomy for critical aortic stenosis in infants. Journal of Thoracic and Cardiovascular Surgery. 93 : 546-550. 1987
5. Trusler GA, Williams WG, Duncan KF, Hesslein PS, Benson LN, Freedom RM, Izukawa T, Olley PM. Results with the mustard operation in simple transposition of the great arteries. 1963-1985. Annals of Surgery. 206 : 251-260. 1987
6. Duncan KF. Surgery for Congenital Heart Defects in Children. Manitoba Medicine. 1989; Vol. 59: p. 56-61
7. Giddins N, Pelech A, Duncan K. Right-sided aortic arch [4]. Chest. 101 : 1739. 1992
8. Fletcher SE, Duncan K. Management strategies in transposition of the great vessels; 1994. The Nebraska medical journal. 79 : 372-374. 1994
9. Stammers AH, Rauch ED, Willett LD, Newberry JW, Duncan KF. Pre-operative coagulopathy management of a neonate with complex congenital heart disease: A case study. Perfusion. 15 : 161-168. 2000

10. Jamieson Jones; Nadine Kassity; Kim Duncan. Complementary care: Alternatives for the neonatal intensive care unit. *Newborn and Infant Nursing Reviews*. 1 : 207-210. 2001
11. Russo LM, Fletcher S, Danford DA, Duncan K, Najdawi E. Persistent third aortic arch (carotid duct) associated with critical coarctation of the aorta. *Echocardiography*. 18 : 621-622. 2001
12. Amin Z, McElhinney DB, Strawn JK, Kugler JD, Duncan KF, Reddy VM, Petrossian E, Hanley FL. Hemidiaphragmatic paralysis increases postoperative morbidity after a modified Fontan operation. *Journal of Thoracic and Cardiovascular Surgery*. 122 : 856-862. 2001
13. Giddins NG, Duncan K, Persad R, Gilchrist JS, Pierce GN. Effects of chronic, rapid right atrial pacing on cardiac hemodynamics and myofibrillar ATPase activity in piglets. *Canadian Journal of Cardiology*. 18 : 157-161. 2002
14. Amin Z, Danford DA, Lof J, Duncan KF, Froemming S. Intraoperative device closure of perimembranous ventricular septal defects without cardiopulmonary bypass: Preliminary results with the perventricular technique. *Journal of Thoracic and Cardiovascular Surgery*. 127 : 234-241. 2004
15. Fletcher SE, Duncan K, Schroeder B, Danford DA. Coarctation of a right-sided aortic arch and an unusual vascular ring. *Journal of Cardiovascular Magnetic Resonance*. 6 : 577-581. 2004
16. Deptula JJ, Fogg SK, Glogowski KR, Fenton KN, Duncan KF. Extended support with the Terumo BABY-RX[®] oxygenator. *Journal of Extra-Corporeal Technology*. 36 : 364-367. 2004
17. Deptula JJ, Fogg SK, Glogowski KR, Fenton KN, Hunt P, Duncan KF. A technique for performing antegrade selective cerebral perfusion without interruption of forward flow or cannula relocation for pediatric aortic arch reconstruction. *Journal of Extra-Corporeal Technology*. 36 : 324-328. 2004
18. Fenton KN, Pigula FA, Gandhi SK, Russo L, Duncan KF. Interim mortality in pulmonary atresia with intact ventricular septum. *Annals of Thoracic Surgery*. 78 : 1994-1998. 2004
19. Kim F, Duncan. Proximal and distal extensions. *Cardiac Reconstructions with Allograft Tissues*. 561-563. 2005
20. Fenton KN, Freeman K, Glogowski K, Fogg S, Duncan KF. The significance of baseline cerebral oxygen saturation in children undergoing congenital heart surgery. *American Journal of Surgery*. 190 : 260-263. 2005
21. Deptula J, Glogowski K, Merrigan K, Hanson K, Felix D, Hammel J, Duncan K. Evaluation of biocompatible cardiopulmonary bypass circuit use during pediatric open heart surgery. *Journal of Extra-Corporeal Technology*. 38 : 22-26. 2006
22. Humphrey C, Duncan K, Fletcher S. Decade of experience with vascular rings at a single institution. *Pediatrics*. 117 : e903-e908. 2006
23. Hammel JM, Deptula J, Hunt PW, Lang H, Duncan KF. Anoxic ventilation improves systemic perfusion during extracorporeal circulation with uncontrolled systemic-to-pulmonary shunt. *ASAIO Journal*. 53 : 238-240. 2007
24. Fenton KN, Lessman K, Glogowski K, Fogg S, Duncan KF. Cerebral Oxygen Saturation Does Not Normalize Until After Stage 2 Single Ventricle Palliation. *Annals of Thoracic Surgery*. 83 : 1431-1436. 2007
25. Deptula J, Valleley M, Glogowski K, Detwiler J, Hammel J, Duncan K. Clinical evaluation of the Terumo Capiiox [®] FX05 hollow fiber oxygenator with integrated arterial line filter. *Journal of Extra-Corporeal Technology*. 41 : 220-225. 2009
26. Hoskoppal A, Roberts H, Kugler J, Duncan K, Needelman H. Neurodevelopmental Outcomes in Infants after Surgery for Congenital Heart Disease: A Comparison of Single-Ventricle vs. Two-Ventricle Physiology. *Congenital Heart Disease*. 5 : 90-95. 2010
27. Deptula J, Hammel J, George K, Detwiler J, Glogowski K, Valleley M, Duncan K. Stage 1 palliation for hypoplastic left heart syndrome without the use of allogeneic tissue, with reduced allogeneic blood product exposure: A case report. *Journal of Extra-Corporeal Technology*. 43 : 258-260. 2011
28. Hammel JM, Hunt PW, Abdullah I, Duncan KF. "Closed-vein" technique for primary sutureless repair of anomalous pulmonary venous connection. *Annals of Thoracic Surgery*. 94 : 1021-1022. 2012
29. Rangamani S, Varghese J, Li L, Harvey L, Hammel JM, Fletcher SE, Duncan KF, Danford DA, Kutty S. Safety of cardiac magnetic resonance and contrast angiography for neonates and small infants. *Pediatric Radiology*. 42 : 1339-1346. 2012
30. Hammel JM, Duncan KF, Danford DA, Kutty S. Two-stage biventricular rehabilitation for critical aortic stenosis with severe left ventricular dysfunction. *European journal of cardio-thoracic surgery : official journal of the European Association for Cardio-thoracic Surgery*. 43 : 143-148. 2013

31. James M. Hammel; Joseph J. Deptula; Rebecca Siecke; Ibrahim Abdullah; Kim F. Duncan. Descending aortic and innominate artery cannulation for aortic arch repair with mildly hypothermic continuous cardiopulmonary bypass in infants and children. *World Journal for Pediatric and Congenital Heart Surgery*. 4 : 418-421. 2013
32. Karamlou T, Poynter JA, Walters HL, Rhodes J, Bondarenko I, Pasquali SK, Fuller SM, Lambert LM, Blackstone EH, Jacobs ML, Duncan K, Caldarone CA, Williams WG, McCrindle BW. Long-term functional health status and exercise test variables for patients with pulmonary atresia with intact ventricular septum: A Congenital Heart Surgeons Society study. *Journal of Thoracic and Cardiovascular Surgery*. 145 : 1018-1027.e3. 2013
33. Sandkovsky U, Florescu DF, Um JY, Raichlin E, Lowes BD, Kapalis M, Hewlett A, Duncan KF, Ryan T, Dimaio D, Wedel W, Kalil AC. Cytomegalovirus reactivation and colitis after left ventricular assist device placement. *International Journal of Infectious Diseases*. 17 : e348-e351. 2013
34. Hammel JM.; Deptula JJ; Siecke R; Abdullah I; Duncan KF. Descending Aortic and Innominate Artery Cannulation for Aortic Arch Repair with Mildly Hypothermic Continuous Cardiopulmonary Bypass in Infants and Children. *World Journal Pediatric Congenital Heart Surgery*. 2013 Oct; Vol. 4 (4): p. 418-21
35. Hammel JM, Deptula JJ, Karamlou T, Wedemeyer E, Abdullah I, Duncan KF. Newborn Aortic Arch Reconstruction With Descending Aortic Cannulation Improves Postoperative Renal Function. *Annals of Thoracic Surgery*. 96 : 1721-6; discussion 1726. 2013
36. Hammel JM, Deptula JJ, Karamlou T, Wedemeyer E, Abdullah I, Duncan KF. Newborn aortic arch reconstruction with descending aortic cannulation improves postoperative renal function. *Annals of Thoracic Surgery*. 96 : 1721-6; discussion 1726. 2013
37. Kutty, Shaija S.; Peng, Qinghai; Danford, David A.; Fletcher, Scott E.; Perry, Deborah; Talmon, Geoffrey A.; Scott, Cynthia; Kugler JD; Duncan KF; Quiros-Tejeira RE; Kutty S. Increased hepatic stiffness as consequence of high hepatic afterload in the Fontan Circulation: A vascular Doppler and elastography study. *Increased hepatic stiffness as consequence of high hepatic afterload in the Fontan Circulation: A vascular Doppler and elastography study*. 2014; Vol. 59 (1): p. 251-60
38. Eugenia Raichlin; John Y. Um; Kim F. Duncan; Ioana Dumitru; Brian D. Lowes; Moulton MJ; Catherine L. Gebhart; Wendy J. Grant; James M. Hammel. Combined heart and liver transplantation against positive cross-match for patient with hypoplastic left heart syndrome. *Transplantation*. 98 : e100-e102. 2014
39. Kutty SS, Peng Q, Danford DA, Fletcher SE, Perry D, Talmon GA, Scott C, Kugler JD, Duncan KF, Quiros-Tejeira RE, Kutty S, Liver Adult-Pediatric-Congenital-Heart-Disease Dysfunction Study (LADS) Group. Increased hepatic stiffness as consequence of high hepatic afterload in the fontan circulation: A vascular doppler and elastography study. *Hepatology*. 59 : 251-260. 2014
40. J. William Gaynor; Christian Stopp; David Wypij; Dean B. Andropoulos; Joseph Atallah; Andrew M. Atz; John Beca; Mary T. Donofrio; Kim Duncan; Nancy S. Ghanayem; Caren S. Goldberg; Hedwig HÃ¶vels-GÃ¼rich; Fukiko Ichida; Jeffrey P. Jacobs; Robert Justo; Beatrice Latal; Jennifer S. Li; William T. Mahle; Patrick S. McQuillen; Shaji C. Menon; Victoria L. Pemberton; Nancy A. Pike; Christian Pizarro; Lara S. Shekerdeman; Anne Synnes; Ismee Williams; David C. Bellinger; Jane W. Newburger. Neuro developmental outcomes after cardiac surgery in infancy. *Pediatrics*. 135 : 816-825. 2015
41. Shaija S. Kutty; Ming Zhang; David A. Danford; Rimsha Hasan; Kim F. Duncan; John D. Kugler; Ruben E. Quiros-Tejeira; Shelby Kutty. Hepatic stiffness in the bidirectional cavopulmonary circulation: The Liver Adult-Pediatric-Congenital-Heart-Disease Dysfunction Study group. *Journal of Thoracic and Cardiovascular Surgery*. 2015
42. Shaija S. Kutty; Ming Zhang; David A. Danford; Rimsha Hasan; Kim F. Duncan; John D. Kugler; Ruben E. Quiros-Tejeira; Shelby Kutty. Hepatic stiffness in the bidirectional cavopulmonary circulation. *Journal of Thoracic and Cardiovascular Surgery*. 151 : 678-684. 2016
43. Melinda S. Valleley; Kimberly R. Glogowski; Kim F. Duncan; Andrea Dutoit; Corinna Hagedorn. Bloodless repair of aortic arch with dual aortic cannulation in a Jehovah's witness patient. *Journal of Extra-Corporeal Technology*. 49 : 206-209. 2017
44. Mini Kamboj; Teresa Childers; Jessica Sugalski; Donna Antonelli; Juliane Bingener-Casey; Jamie Cannon; Karie Cluff; Kimberly A. Davis; E. Patchen Dellinger; Sean C. Dowdy; Kim Duncan; Julie Feddersen; Robert Glasgow; Bruce Hall; Marilyn Hirsch; Matthew Hutter; Lisa Kimbro; Boris Kuvshinoff; Martin Makary; Melanie Morris; Sharon Nehring; Sonia Ramamoorthy; Rebekah Scott; Mindy Sovel; Vivian Strong; Ashley Webster; Elizabeth Wick; Julio Garcia Aguilar; Robert Carlson; Kent Sepkowitz. Risk of surgical site infection (SSI) following colorectal resection is higher in patients with disseminated cancer. *Infection control and hospital epidemiology*. 39 : 555-562. 2018

45. Anusha Jegatheeswaran; Marshall L. Jacobs; Christopher A. Caldarone; Paul M. Kirshbom; William G. Williams; Eugene H. Blackstone; William M. DeCampi; Kim F Duncan; Linda M. Lambert; Henry L. Walters; Christo I. Tchervenkov; Brian W. McCrindle. Self-reported functional health status following interrupted aortic arch repair. *Journal of Thoracic and Cardiovascular Surgery*. 2019
46. Andrew B. Goldstone; Michael Baiocchi; David Wypij; Christian Stopp; Dean B. Andropoulos; Joseph Atallah; Andrew M. Atz; John Beca; Mary T. Donofrio; Kim Duncan; Nancy S. Ghanayem; Caren S. Goldberg; Hedwig Hövels-Gürich; Fukiko Ichida; Jeffrey P. Jacobs; Robert Justo; Beatrice Latal; Jennifer S. Li; William T. Mahle; Patrick S. McQuillen; Shaji C. Menon; Nancy A. Pike; Christian Pizarro; Lara S. Shekerdemian; Anne Synnes; Ismée A. Williams; David C. Bellinger; Jane Newburger; J. William Gayn. The Bayley-III scale may underestimate neurodevelopmental disability after cardiac surgery in infants. *European Journal of Cardio-thoracic Surgery*. 57 : 63-71. 2020
47. Marian Urban; Anthony W. Castleberry; Kim F. Duncan; Nicholas W. Markin; M. Megan Chacon; Aleem Siddique; Shaheed Merani; Ryan Robertson; Lance Fristoe; John Y. Um. Thoracoabdominal Normothermic Perfusion in Donation After Circulatory Death. *Annals of Thoracic Surgery*. 113 : e473-e476. 2022

B. ARTICLES ACCEPTED FOR PUBLICATION IN SCHOLARLY JOURNALS

Not Applicable

C. ARTICLES SUBMITTED FOR PUBLICATION IN SCHOLARLY JOURNALS

Not Applicable

D. BOOKS PUBLISHED, IN PREPARATION, SUBMITTED OR IN PRESS

1. Duncan KF; Stark J. *Cardiac Valve Disease in Children*. New York: Elsevier Publishing Co, Inc; 1988. Critical aortic stenosis in infancy

E. CHAPTERS IN BOOKS

1. Duncan KF. *Cardiac Reconstruction with Allograft Tissue*. New York: Springer Science & Business Media Inc; 2005. Chapter 10, Right Ventricular Outflow Reconstruction: Proximal and Distal Extensions

F. BOOKS OR JOURNALS EDITED

Not Applicable

G. ABSTRACTS AND PRELIMINARY COMMUNICATIONS

1. Valeri A; Wentz B; Duncan K; Radio SJ. Fibrointimal proliferation of aortic homografts utilized in Stage I Norwood procedures. *United States and Canadian Academy of Pathology; Mod Pathol*. 2002, Vol. 15: 256A
2. Pozehl BJ; Duncan K; Norman JF. Impact of an Exercise Training Camp for Heart Failure Patients. *Circulation*. 2007, Vol. 116: 18
3. Norman JF; Duncan K; Hertzog MA; Elokda A; Pozehl BJ. Relationship of Brain Natriuretic Peptide to Physical Test Measures in a Group of Stable NYHA-III Heart Failure Patients. *Journal of Cardiopulmonary Rehabilitation and Prevention*. 2007, Vol. 27: 332

4. Haglund NA; Um J; Dumitru I; Faber E; Morris M; Duncan K; Raichlin E. Combined Heart and Kidney Transplantation Followed by Autologous Stem Cell Transplantation for Systemic AL Amyloidosis. ISHLT; San Diego, CA. 2011 Apr
5. Warchol JM; Mill L; Kugler JD; Duncan KF.; Houston K; Erickson CC. Use of implantable cardioverter defibrillators with non-transvenous lead systems in pediatric and adult sized congenital heart disease patients. Nebraska Academy of Family Physician Annual Meeting; Omaha NE. Poster Presentat. 2012 Mar
6. Warchol JM; Mill L; Kugler JD; Duncan KF.; Houston K; Erickson CC. Table Cardioverter Defibrillators with Non-Transvenous Lead Systems in Pediatric and Adult Sized Congenital Heart Disease Patients. Children's Hospital & Medical Center Research Forum; Omaha, NE. Poster presentation. 2012 May
7. Saxena S; Raichlin E; Um J; Duncan K; Dumitru I; Lowes B; Hammel JM. Late Right Heart Failure after Left Ventricular Assist Device Implantation: Clinical Predictors and Outcomes. ISHLT; Montreal, CA. 2013
8. Saxena S; Raichlin E; Um J; Duncan K; Dumitru I; Lowes BD; Hammel JM. Combined Heart and Liver Transplantation against Positive Crossmatch in Hypoplastic Left Heart Syndrome. ISHLT; 2013
9. Shelby S; Peng, QINGHAI; Danford DA; Fletcher SE; Kugler JD; Duncan K; Quiros-Tejeira RE; Kutty S. Markedly Abnormal Liver in Children and Young Adults with Palliated Singel Ventricle Heart Disease: A Prospective Shear Wave Elastography and Duplex Ultrasound Study. Digestive Diseases Week, 2013; Orlando, Florida, US. Gastroenterology. 2013, Vol. 144.5.1: S-1028
10. Shelby S; Peng Q; Renner R; Li L; Scott C; Meckelburg M; Fletcher SE; Kugler J; Duncan KF; Quiros-Tejeira RE; Danford DA; Kutty S. Assessment of the Liver in Patients with Fontan Physiology using Ultrasonic Shear Wave Elastography. 62nd Annual Scientific Meeting of the American College of Cardiology; San Francisco, CA. J Am Coll Cardio. 2013 Mar , Vol. 16 (10): E484

H. PUBLISHED AUDIOVISUAL OR COMPUTER-BASED EDUCATIONAL MATERIALS AND COMPUTER SOFTWARE

Not Applicable

I. PUBLISHED CONTINUING EDUCATION MATERIALS

Not Applicable

J. EDITORIALS

Not Applicable

K. CONFERENCE PROCEEDING

Not Applicable