

Malcolm John MacDonald
BVM&S, MRCVS, MD

Current Address: Office: Department of Cardiology & Cardiac Surgery
Children's Hospital central California
9300, Valley Children's Place
Madera, CA 93636
Ph: 559-353-5450

E-mail: MMacDonald@Childrenscentralcal.org
Malcolm.MacDonald@Stanford.edu

Current Position Clinical Associate Professor, Stanford University School of Medicine
Pediatric Cardiac Surgery.
Attending Surgeon, Pediatric Cardiac Surgery
Children's Hospital of Central California

Education

1990 - 1992 Doctor of Medicine (MD): Emory University School of Medicine, Atlanta, GA
(Summa Cum Laude, May 1992)

1989 - 1990 Albany Medical College, Albany, NY

1974 - 1979 Bachelor of Veterinary Medicine and Surgery (BVM&S): University of Edinburgh.

Post-graduate training

2001-2002 Fellow, Pediatric Cardiac Surgery, UCSF & Stanford University School of Medicine

1999 – 2001 Resident, Cardiothoracic Surgery, University of California, San Francisco

1998 – 1999 Chief Resident, General Surgery, Emory University School of Medicine

1996 - 1998 Resident (PGY-3, PGY-4) General Surgery, Emory University School of Medicine

1994 - 1996 Cardiothoracic Surgery Research Fellow: Emory University School of Medicine

1992 - 1994 Resident (PGY-1, PGY-2), General Surgery, Emory University School of Medicine

1988 - 1989 Fellow, Veterinary Cardiology, University of Pennsylvania, School of Veterinary
Medicine, Philadelphia, PA

1986 - 1988 Resident, Veterinary Emergency and Critical Care Medicine, University of Pennsylvania
School of Veterinary Medicine

1980 - 1981 Accreditation, American Veterinary Medical Association Educational Commission for
Foreign Veterinary Graduates

Professional Licensing **Medicine:** Georgia
California

Veterinary Medicine: United Kingdom (Inactive)
Georgia (Inactive)

Board Certification American Board of Surgery (2000)
American Board of Thoracic Surgery (2002)

Other Professional Employment

1985 - 1986 Attending veterinarian, Metro Atlanta Animal Emergency Clinic, Atlanta, GA

1984 - 1985 Assistant investigator, Department of Pharmacology and Toxicology, Medical College of Georgia, Augusta, GA

1982 - 1985 Staff veterinarian, Animal Emergency Clinic of Greater Augusta, Augusta, GA

1980 - 1982 Staff veterinarian, Mcduffie Animal Hospital, Thomson, GA

Awards and Honors

1992 Summa cum Laude, Emory University School of Medicine

1991 Alpha Omega Alpha National Medical Honor Society

1990 American Society of Clinical Pathologists Award for Academic Excellence and Achievement

1990 Albany Medical College Deans Letter for Academic Excellence

1988 Veterinary Student Government Teaching Award for Excellence in Teaching by a Resident (Awarded to a resident in the Department of Clinical Studies, University of Pennsylvania School of Veterinary Medicine)

1988 Iams Award for Excellence in Residency (Awarded to a Resident in the Department of Clinical Studies, University of Pennsylvania School of Veterinary Medicine)

1974 -1979 Academic honors in Veterinary Public Health, Animal Health, Epidemiology, Parasitology, Veterinary anatomy, Veterinary physiology, and Veterinary biochemistry

Memberships: Professional Societies

Royal College of Veterinary Surgeons

Alpha Omega Alpha National Medical Honor Society

Society for Critical Care Medicine

Western society of Pediatric Cardiology

Other Appointments

2006 - Present Medical director, Perioperative Services, Children's Hospital Central California

2006 – Present Member, Quality Council, Children's Hospital Central California

2006 – 2008 Member, Antibiotic utilization committee, Children's Hospital Central California

2006 – 2008 Vice-Chair, Dept of Cardiology and Cardiac Surgery, Children's Hospital Central California

2004 - 2006 Chair, Dept of Cardiology and Cardiac Surgery, Children's Hospital Central California

Publications and Abstracts

1. Karow AM, MacDonald MJ, Dendle T, and Rao R: Functional Preservation of the Mammalian Kidney VII: Autologous transplantation of dog kidneys after treatment with dimethyl sulphoxide (2.8 and 4.2 M).
Transplantation (1986) 41 (6) 669 – 674
2. MacDonald MJ and Kirby R: Feline Cardiac Emergencies.
Seminars in Veterinary Medicine and Surgery (1988) 3 (3) 237 - 244
3. van Winkle T, MacDonald MJ, and Hendricks M: Thrombosis of the portal vein, pulmonary arteries, and aorta in the dog; a retrospective study of 59 cases.
Abstract presented at the Fortieth Annual Meeting of the American College of Veterinary Pathologists, 1989
4. Sadanaga KK, MacDonald MJ, and Buchanan JW: Echocardiography and Surgery in a dog with left atrial rupture and hemopericardium.
Journal of Veterinary Internal Medicine (1990) 4 (4) 216
5. Schmidt F, MacDonald M, Murphy C, Brown W, Gott J, and Guyton R: Leukocyte filtration of blood cardioplegia attenuates reperfusion injury.
Annals of Thoracic Surgery (1996) 62, (6): 1691-6
6. Duarte, IG; Shearer, ST; MacDonald, MJ; Gott, JP; Brown, Wm 3rd; Vinten-Johansen, J; Guyton, RA. Myocardial distribution of antegrade cold crystalloid and tepid blood cardioplegia.
Annals of Thoracic Surgery (1998) 65 (6): 1610-6
7. Duarte I, Shen Y, MacDonald M, Jones E , Craver J, Guyton RA: Treatment of moderate mitral regurgitation and coronary disease by coronary bypass alone: late results.
Annals of Thoracic Surgery (1999) 68 (2):426-30
8. Duarte, IG; MacDonald MJ; Cooper WA; Schmarkey SL; Gott JP; Brown Wm 3rd; Vinten-Johansen J; Guyton RA. In vivo hemodynamic, histologic, and antimicrobial characteristics of the Mosaic bioprosthesis.
Annals of Thoracic Surgery, (2001) 71 (1): 92-9
9. MacDonald MJ, Hanley FL, & Reddy VM: Arch reconstruction without circulatory arrest: Current clinical applications and results of therapy.
Seminars in Thoracic and Cardiovascular Surgery, Pediatric Cardiac Surgery Annual 2002.
10. MacDonald MJ, Reinhartz O, & Hanley FL: Effect of surgical case volume on outcome after the Norwood procedure. Letter to the Editor: Journal of Cardiovascular and Thoracic Surgery (2005) 130 (6) 1731.
11. Olaf Reinhartz, V. Mohan Reddy, Edwin Petrossian, Malcolm MacDonald, John J Lamberti, Stephen J Roth, Gail E Wright, Stanton B Perry, Sam Suleman, and Frank L Hanley: Homograft valved Right ventricle to Pulmonary artery conduit as a modification of the Norwood procedure.
Circulation (2006) 114 I-594-599

12. Ed Petrossian, V Mohan Reddy, Kathryn K Collins, Casey B Culberson, Malcolm J MacDonald, John J Lamberti, Olaf Reinhartz, Richard D Mainwaring, Paul D Francis, Sunil P Malhotra, David B Gremmels, Sam Suleman, and Frank L Hanley: The extracardiac conduit Fontan operation using minimal approach extracorporeal circulation: Early and mid-term outcomes. Journal of Thoracic and Cardiovascular Surgery (2006) 132: 1054-63.
13. MacDonald, Malcolm J & Hanley, Frank L.: Pulmonary atresia with ventricular septal defect and major aorto-pulmonary collaterals. Johns Hopkins Manual of Cardiothoracic Surgery, 2007 (Eds: Yuh, Vricella, Baumgartner) Ch. 61, 1141.
14. Malcolm J MacDonald, V Mohan Reddy, and Frank L Hanley: Pulmonary atresia with ventricular septal defect and major aorto-pulmonary collaterals. Mastery of Cardiothoracic Surgery (2nd Ed., 2006) Eds.: Larry Kaiser, Irving Kron, and Thomas Spray.
15. Malcolm J MacDonald, Frank L Hanley, & Daniel J Murphy: Pulmonary atresia with ventricular septal defect. Cardiology (3rd ed., 2009) Eds.: Crawford, Dimarco, & Paulus (In Press).

Lectures & Presentations

Macdonald, M. Invited guest lecturer, Western society of Pediatric Cardiology annual conference 2009. Blood conservation in Pediatric cardiac surgery.

(MM 05/27/2009)