

6th APELSO 2023 &


The 55th Annual Scientific Meeting of the Korean Society for Thoracic & Cardiovascular Surgery

"Post Pandemic, New Standards"

November 2(Thu) ~ 4(Sat), 2023 | Grand Intercontinental Seoul Parnas, Seoul, Korea



Curriculum Vitae

Name	First Name	Michael	Last Name	McMullan
Country	United States			
Affiliation	Seattle Children's Hospital			
E-mail	michael.mcmullan@seattlechildrens.org			

Educational Background

1985-1989	B.S.	Tulane University New Orleans, Louisiana
1989-1994	M.D.	University of Texas Southwestern Medical School Dallas, Texas
1992-1993		Research Fellowship, Sarnoff Cardiovascular Research Foundation University of California, San Francisco
1994-1996 1999-2002		Residency, General Surgery University of Texas Medical School Houston, Texas
1996-1997		Clinical Fellowship, Cardiac Transplantation and Mechanical Support Texas Heart Institute and St. Luke's Episcopal Hospital Houston, Texas
1997-1999		Research Fellowship, Congenital Cardiothoracic Surgery University of California, San Francisco
2002-2004		Residency, Cardiothoracic Surgery University of Washington Medical School Seattle, Washington
2004-2005		Clinical Fellowship, Congenital Cardiothoracic Surgery The Royal Children's Hospital Melbourne, Australia

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Professional Career

2019-present	Chief, Pediatric Cardiac Surgery Seattle Children's Hospital Seattle, Washington
2016-present	Professor, Department of Surgery Division of Thoracic Surgery University of Washington School of Medicine Seattle, Washington
2012-2016	Associate Professor, Department of Surgery Division of Thoracic Surgery University of Washington School of Medicine Seattle, Washington
2007-2012	Assistant Professor, Department of Surgery Division of Thoracic Surgery University of Washington School of Medicine Seattle, Washington

Research Field

Dr. McMullan is a Professor of Surgery at the University of Washington School of Medicine and Chief of Cardiac Surgery at Seattle Children's Hospital. He also serves as Director of ECMO Services, Cardiac Transplantation, and the SCH ECMO Fellowship Program. He has previously served on the Executive Committee and as President of Extracorporeal Life Support Organization. He has published over 100 papers and book chapters, many of which focus on extracorporeal life support. His research laboratory develops novel ECMO simulation systems that are used to improve ECMO team safety and efficiency.

Papers, Books, etc. presented or published by your name

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Publications

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2. Dohanich GP, **McMullan DM**, Cada DA, Mangum KA. Muscarinic receptor subtypes and sexual behavior in female rats. *Pharmacology, Biochemistry & Behavior*, 38:115-124, 1991
3. Lyson T, **McMullan DM**, Ermel LD, Morgan BJ, Victor RG. Mechanism of cyclosporine-induced sympathetic activation and acute hypertension in rats. *Hypertension*, 23:667-675, 1994
4. Panis Y, **McMullan DM**, Emond JC. Progressive necrosis after hepatectomy and the pathophysiology of liver failure after massive resection. *Surgery*, 121:142-149, 1997
5. Petrossian E, Parry AJ, Reddy VM, Akkersdijk GP, **McMullan DM**, Thompson L, Hendricks-Munoz KD, Hallak H, Hanley FL, Fineman JR. Endothelin receptor blockade prevents the rise in pulmonary vascular resistance after cardiopulmonary bypass in lambs with increased pulmonary blood flow. *Journal of Thoracic and Cardiovascular Surgery*, 117(2):314-23, 1999
6. Black SK, Heidersbach RS, **McMullan DM**, Bekker JM, Johengen MJ, Fineman JR. Inhaled nitric oxide inhibits nitric oxide synthase activity in lambs: potential mechanism for rebound pulmonary hypertension. *American Journal of Physiology-Heart and Circulation Physiology*, 277:H1849-H1856, 1999
7. **McMullan DM**, Bekker JM, Parry AJ, Johengen MJ, Kon AA, Heidersbach RS, Black SK, Fineman JR. Alterations in endogenous nitric oxide production after cardiopulmonary bypass in lambs with normal and increased pulmonary blood flow. *Circulation*, 102(19 suppl 3):III172-III178, 2000
8. **McMullan DM**, Beyer EAK, Gregoric I, Radovancevic B, and Frazier OH. Left ventricular reduction in a Jehovah's Witness. *Annals of Thoracic Surgery*, 70(3):958-960, 2000
9. Beyer EAK, **McMullan DM**, Delgado R, Gregoric I, Radovancevic B, and Frazier OH. Normalization of native heart function years after heterotopic transplantation. *Annals of Thoracic Surgery*, 70:1690-1692, 2000
10. **McMullan DM**, Bekker JM, Johengen MJ, Hendricks-Munoz K, Gerrets R, Black SK, Fineman JR. Inhaled nitric oxide-induced rebound pulmonary hypertension: role for endothelin-1. *American Journal of Physiology-Heart and Circulation Physiology*, 280:H777-H785, 2001
11. Wedgwood S, **McMullan DM**, Bekker JM, Fineman JR, Black SM. Role for endothelin-1 induced superoxide and peroxynitrite production in rebound pulmonary hypertension associated with inhaled nitric oxide therapy. *Circulation Research*, 89(4):357-364, 2001
12. **McMullan DM**, Radovancevic B, Jackow, Frazier OH, Duvic M. Cutaneous T-cell lymphoma in a cardiac transplant recipient. *Texas Heart Institute Journal*, 28(3):203-207, 2001
13. Gutierrez JA, Parry AJ, **McMullan DM**, Chapin CJ, Fineman JR. Decreased surfactant proteins in lambs with pulmonary hypertension secondary to increased pulmonary blood flow. *American Journal of Physiology-Lung Cellular and Molecular Physiology*, 281(5):L1264-L1270, 2001

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15. Black SM, Bekker JM, **McMullan DM**, Parry AJ, Ovadia B, Reinhartz O, Lakshminrushimha S, Mata-Greenwood E, Steinhorn RH, Fineman JR. Alterations in nitric oxide production in 8-week-old lambs with increased pulmonary blood flow. *Pediatric Research*, 52(2):233-44, 2002
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17. **McMullan DM**, Wilansky S, Frazier OH. Ventricular fibrillation in a heterotopic heart transplant recipient. *Annals of Thoracic Surgery* 75(2):598, 2003
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23. **McMullan DM**, Cohen GC. Radiographic evidence linking tobacco use and lung cancer. *New England Journal of Medicine*, 354(4):397, 2006
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65. Mesher AL, Hermsen JL, Rubio AE, Chen JM, **McMullan DM**. Neo-aortic thrombus after Norwood procedure: complication of extracorporeal life support? *Annals of Thoracic Surgery*, 99(2):709-10, 2015

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74. Eilers B, Albers A, Law Y, **McMullan DM**, Shaw D, Kemna M. Posterior reversible encephalopathy syndrome after pediatric heart transplantation: increased risk for children with preexisting Glenn/Fontan physiology. *Pediatric Transplantation*, 20(4):552-528, 2016
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77. **Burke CR**, **McMullan DM**. Extracorporeal life support for pediatric heart failure. *Frontiers in Pediatrics*, 4(115):1-6, 2016
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80. **Burke CR, Chan T, Brogan TV, McMullan DM.** Pediatric extracorporeal cardiopulmonary resuscitation during nights and weekends. *Resuscitation*, 114:47-52, 2017
81. Yam N, **McMullan DM.** Extracorporeal cardiopulmonary resuscitation. *Annals of Translational Medicine*, 5(4):72-79, 2017
82. **Chan T, Di Gennaro J, Farris RW, Radman M, McMullan DM.** Racial and ethnic variation in pediatric extracorporeal life support survival. *Critical Care Medicine*, 45(4):670-678, 2017
83. **Burke CR, Chan T, Rubio AE, McMullan DM.** Early cardiac catheterization leads to shortened pediatric extracorporeal membrane oxygenation run duration. *Journal of Interventional Cardiology*, 30(2):170-176, 2017
84. **Burke CR, Chan T, McMullan DM.** Extracorporeal life support use in adult burn patients. *Journal of Burn Care and Research*, 38(3):174-178, 2017
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94. Di Genarro JL, Chan T, Farris RWD, Weiss NS, **McMullan DM**. Increased stroke risk in children and young adults on extracorporeal life support with carotid cannulation. *ASAIO*, 65(7):718-724, 2019
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