

Donna Jane Nicholson, MD, MSc, FRCPC

Curriculum Vitae

Donna Jane Nicholson, MD, MSc, FRCPC

Division of Cardiac Anesthesiology
University of Ottawa Heart Institute

40 Ruskin Street, Room H2410,
Ottawa, ON, K1Y 4W7
Tel; (613)-, Fax;(613)-696-7099
Email; dnicholson@ottawaheart.ca

Professional work experience

- | | |
|----------------|--|
| 2003 – present | Anesthesiologist, Division of Cardiac Anesthesiology, University of Ottawa Heart Institute & Assistant Professor, University of Ottawa, Ottawa |
| 2002 – 2003 | Clinical Fellow, Division of Cardiac Anesthesiology, University of Ottawa Heart Institute, Ottawa |
| 2000 – 2002 | Anesthesiologist, Department of Anesthesiology, Health Sciences Center & Lecturer, University of Manitoba, Winnipeg |

Education & qualifications

- | | |
|-------------|---|
| 2014 | Re-Certification Examination of Special Competence in Advanced Perioperative Transesophageal Echocardiography, National Board of Echocardiography |
| 2004 | Certification in Perioperative Transesophageal Echocardiography, National Board of Echocardiography |
| 2004 | Examination of Special Competence in Perioperative Transesophageal Echocardiography |
| 2002 – 2003 | Clinical Fellow in Cardiac Anesthesiology, University of Ottawa Heart Institute, Ottawa |
| 2000 | Specialist Certificate, Anesthesia, Royal College of Physicians and Surgeons of Canada (FRCPC) |

Donna Jane Nicholson, MD, MSc, FRCPC

1995 – 2000	Postgraduate Trainee, Anesthesiology, Faculty of Medicine, University of Manitoba, Winnipeg
1991 – 1995	Doctor of Medicine, University of Manitoba, Winnipeg
1987 – 1990	Master of Science (Pharmacology), Dalhousie University, Halifax
1983 – 1987	Bachelor of Science (Honors), Queen's University, Kingston

Committees & Appointments

2021- present	President of the University of Ottawa Heart Institute Medical and Scientific Staff
2019-2021	Vice-President of the University of Ottawa Heart Institute Medical and Scientific Staff
2017-2019	Secretary of the University of Ottawa Heart Institute Medical and Scientific Staff
2011-2018	Royal College Examiner, Anesthesiology
2016-2019	Member, Division of Cardiac Surgery Resident Program Committee, University of Ottawa
2007-2016	Member, University of Ottawa Heart Institute Quality of Care Committee
2006 – 2012	Ottawa Heart Institute Resident Site Co-Ordinator, University of Ottawa Department of Anesthesiology
2006 – 2012	Member, Department of Anesthesiology Resident Program Committee, University of Ottawa
2007 – 2016	Quality Lead, Division of Cardiac Anesthesiology, Ottawa Heart Institute
1996 – 2000	Member, Resident Education Committee, Department of Anesthesia, University of Manitoba
1999 – 2000	Co-Chief Resident, Department of Anesthesia, University of Manitoba, Winnipeg

Awards

2020	Dr Rachel Waugh Teacher of the Year Award, Department of Anesthesiology and Pain Medicine, Ottawa
2013	Dr Rachel Waugh Teacher of the Year Award, Department of Anesthesiology and Pain Medicine, Ottawa
2003	Wilbert J. Keon Award, University of Ottawa Heart Institute, Ottawa
1999	Anesthesia Resident of the Year, St. Boniface General Hospital, Winnipeg
1988	Dalhousie University Graduate Scholarship, Halifax
1987	Dalhousie University Graduate Scholarship, Halifax

Professional Associations

Society of Cardiovascular Anesthesiologists
Canadian Anesthesiologists' Society
American Society of Echocardiography
Canadian Society of Echocardiography
Canadian Medical Association
Ontario Medical Association
Canadian Medical Protective Association

National Presentations

1. Echo Jeopardy. Canadian Anesthesiologists' Annual Meeting, Quebec City, June 2023
2. Pro: General Anesthesia is Safest for Transcatheter Aortic Valve Implantation (TAVI). Canadian Anesthesiologists' Annual Meeting, Ottawa, June 2015
3. TEE Case Presentation. Canadian Anesthesiologists' Society Annual Meeting, Halifax, June 2008
4. Post-operative pulmonary function in CABG patients undergoing early tracheal extubation: A comparison between short term mechanical ventilation and immediate

extubation. Canadian Anesthesiologists' Society Annual Meeting, Resident's Competition, Toronto, June 1998

Local Presentations & Lectures

1. Echo Jeopardy. Division of Cardiac Anesthesiology Rounds, October 12, 2022
2. The Ins and Outs of Aortic Valve-Root Repair; An Echocardiography Perspective. Division of Cardiac Anesthesiology Rounds, Ottawa, March 9, 2021
3. Challenging Cases in Cardiac Anesthesia. Division of Cardiac Anesthesiology Rounds, December 15, 2021
4. Challenging Cases in Cardiac Anesthesia and Cardiac Surgical ICU. Division of Cardiac Anesthesiology Rounds, May 22, 2019
5. Echo Jeopardy. Division of Cardiac Anesthesiology Rounds, November 13, 2019
6. Anesthesia for Robotic Cardiac Surgery. Division of Cardiac Anesthesiology Rounds, November 14, 2018
7. Perioperative TEE Review – What you need to know for the Perioperative Transesophageal Echocardiography Exam. Division of Cardiac Anesthesiology Rounds, June 14, 2017
8. Mortality Rounds. Division of Cardiac Anesthesiology, November 30, 2016
9. Mortality Rounds. Division of Cardiac Anesthesiology, Ottawa, November 18, 2015
10. Mortality Rounds. Division of Cardiac Anesthesiology, Ottawa, November 26, 2014
11. Right Ventricular Failure and Anesthesia. Anesthesia Cardiovascular Core Lecture Series, Ottawa, January 30, 2014
12. Mortality Rounds. Division of Cardiac Anesthesiology Rounds, November 26, 2013
13. Mortality Rounds. Division of Cardiac Anesthesiology Rounds, June 26, 2013
14. Mortality Rounds. Division of Cardiac Anesthesiology Rounds, December 12, 2012
15. Mortality Rounds. Division of Cardiac Anesthesiology Rounds, May 16, 2012

16. Mortality Rounds. Division of Cardiac Anesthesiology Rounds, November 16, 2011
17. Mortality Rounds. Division of Cardiac Anesthesiology Rounds, May 18, 2011
18. Perioperative Trans-esophageal Echocardiography for Cardiac Surgery. Cardiac Surgery Core Lecture Series, Ottawa, March 10, 2010
19. Mortality Rounds. Division of Cardiac Anesthesiology Rounds, October 20, 2010
19. Mortality Rounds. Division of Cardiac Anesthesiology Rounds, Ottawa, May 19, 2010
20. Mortality Rounds. Division of Cardiac Anesthesiology Rounds, Ottawa, January 20, 2010
21. Mortality Rounds. Division of Cardiac Anesthesiology Rounds, Ottawa, October 7, 2009
22. Mortality Rounds. Division of Cardiac Anesthesiology Rounds, Ottawa, May 13, 2009
23. Mortality Rounds. Division of Cardiac Anesthesiology Rounds, Ottawa, January 14, 2009
24. Mortality Rounds. Division of Cardiac Anesthesiology Rounds, Ottawa, October 15, 2008
25. Mortality Rounds. Division of Cardiac Anesthesiology Rounds, Ottawa, October 8, 2008
26. Mortality Rounds. Division of Cardiac Anesthesiology Rounds, Ottawa, May 14, 2008
27. Vasopressors, Inotropes, & Mechanical Support in the Critically Ill. Anesthesia Cardiovascular Core Lecture Series, Ottawa, January 24, 2008
28. Right Ventricular Failure; Pathophysiology to Treatment. Anesthesia Cardiovascular Core Lecture Series, Ottawa, February 28, 2008
29. Mortality Rounds. Division of Cardiac Anesthesiology rounds, Ottawa, January 16, 2008
29. Mortality Rounds. Division of Cardiac Anesthesiology Rounds, Ottawa, October 10, 2007
30. Mortality Rounds. Division of Cardiac Anesthesiology Rounds, Ottawa, May 30, 2007
31. The ABCs of Transthoracic Echocardiography. Division of Cardiac Anesthesiology Rounds, Ottawa, December 6, 2006
32. Shock States and Support. Anesthesia Cardiovascular Core Lecture Series, Ottawa, February 3, 2005

33. Pericardial Diseases. Anesthesia Cardiovascular Core Lecture Series, Ottawa, February 24, 2005
34. More on TEE. Division of Cardiac Anesthesiology Rounds, Ottawa, October 12, 2005
35. Thoracic Epidural Anesthesia for Cardiac Surgery. Division of Cardiac Anesthesiology Rounds, Ottawa, January 14, 2004
36. Ischemic Mitral Regurgitation in Patients Requiring CABG; To Intervene or Not to Intervene. Division of Cardiac Anesthesiology Journal Club, Ottawa, September 29, 2004
37. Echocardiography in the Intensive Care Unit. National Capital Echocardiography Rounds, Ottawa, December 7, 2004
38. Congenital Aortic Valve Disease and The Ross Procedure. Division of Cardiac Anesthesiology Rounds, Ottawa, February 5, 2003
39. Perioperative Transesophageal Echocardiography – Part II. Division of Cardiac Anesthesiology Rounds, Ottawa, October 29, 2003
40. Perioperative Transesophageal Echocardiography – Part I. Division of Cardiac Anesthesiology Rounds, Ottawa, October 8, 2003

Refereed Articles

1. Prosperi-Porta, G, Dryden, A, Nicholson, D, Hynes, M, Chan, V, Jung, R, Di Santo, P, Simard, T, Labinaz, M, Hibbert, B and Abdel-Razek, O. Concomitant transcatheter edge-to-edge repair and left atrial appendage occlusion. J Clin Med 2025, 14(7)2257.
2. Parlow, S, Di Santo, P, Jung RG, Fam N, Czarnecki A, Horlick E, Abdel-Razek I, Chan, V, Hynes M, **Nicholson D**, Dryden A, Fernando, SM, Wells GA, Bernick J, Labinaz M, Mathew R, Simard T, Hibbert B. Transcatheter mitral valve repair for inotrope dependent cardiogenic shock – Design and rationale of the CAPITAL MINOS trial. Am Heart J. 2022 Dec;254:81-87.
3. Chan V, Messika-Zeitoun D, Labinaz M, Hynes M, **Nicholson D**, Dryden A, Mesana T, Hibbert B. Impact of sex on outcomes after percutaneous repair of functional mitral valve regurgitation. J Card Surg. 2021; 36:1 900-1903.
4. Chan V, Messika-Zeitoun D, Labinaz M, Hynes M, **Nicholson D**, Dryden A, Mesana T, Hibbert B. Percutaneous mitral valve repair as salvage therapy in patients with mitral

regurgitation and refractory cardiogenic shock. *Circ Cardiovasc Interv.* 2019 Nov;12(11):e008435.

5. Chandrasekhar J, Ruel M, **Nicholson D**, Labinaz M. Aortic root rupture during transcatheter aortic valve implanatation in a patient with idiopathic thrombocytopenic purpura: Utility of transesophageal echocardiography in early detection and description of a semiconservative surgical management approach. *Int J Angiol.* 2016 Dec;25(5):e54-e57.
6. Elmistekawy E, Dickie S, **Nicholson D**, Mesana T. Left ventricular outflow tract-right atrial fistula following aortic valve replacement. *J Card Surg.* 2012 Sep;27(5):570-2.
7. Moga, R, **Nicholson D**, Hudson JK, Hudson CC. A little-known valve. *J Cardiothorac Vasc Anesth.* 2011 Aug;25(4):749-750.
8. Grisoli D, Chan V, Tran A, Ressler L, **Nicholson D**, Hynes M, Ruel M, Mesana TG. Frequency and surgical management of complex posterior leaflet prolapse of the mitral valve. *J Heart Valve Dis.* 2010 Sep;19(5):568-75.
9. Rubens FD, Bourke M, Hynes M, **Nicholson D**, Kotrec M, Boodhwani M, Ruel M, Dennie CJ, Mesana T. Surgery for chronic thromboembolic pulmonary hypertension – inclusive experience from a national referral center. *Ann Thorac Surg.* 2007 Mar;83(3):1075-81.
10. Mesana TG, Ibrahim M, Kulik A, Ruel M, Dover K, **Nicholson D**, Hynes M. The “hybrid flip-over” technique for anterior leaflet prolapse repair. *Ann Thorac Surg.* 2007 Jan;83(1):322-3.
11. Kulik A, Labinez M, Beauchesne LM, **Nicholson D**, Bedard P. Hybrid repair of mitral paravalvular leak: open surgical placement of a percutaneous occluder device. *J Thorac Cardiovasc Surg.* 2006 Dec;132(6):1469-70.
12. **Nicholson DJ**, Kowalski SE, Hamilton GA, Meyers MP, Serrette C, Duke PC. Postoperative pulmonary function in coronary artery bypass graft surgery in patients undergoing early tracheal extubation. *J Cardiothorac Vasc Anesth.* 2002 Feb;16(1):27-31.

Published Abstracts

1. Chan, V, Ruel, M, Chaudry, S, Nicholson D, Mesana. Mitral regurgitation lesion type impacts outcomes following mitral valve repair in patients with non-ischemic cardiomyopathy. *Can J Card* 2012;28(5):S306.

2. Boodhwani M, Hynes M, **Nicholson D**, Mesana T. Early experience with complex mitral valve repair combined with radiofrequency ablation. Can J Cardiol 2003;19(Supp A):ABS 222.
3. **Nicholson Donna J MD**; Kowalski, Stephen E. FRCPC; Hamilton G. Andrew FRCSC; Myers, Michael P. FRCPC; Serrette, Carl MSc; Duke, Peter FRCPC. POST-OPERATIVE PULMONARY FUNCTION IN CABG PATIENTS UNDERGOING EARLY TRACHAL EXTUBATION. Anesthesia and Analgesia 88(4S):p124SCA, April 1999.

Book Chapters

Dryden A, **Nicholson D**, Hynes M. Transoesophageal Echocardiography for Structural Heart Interventions. Edited by Lambert, S et al. Oxford University Press, submitted 2023.

Nicholson DJ, Lambert AS. Non-severe tricuspid valve regurgitation and mitral valve surgery. The Practice of Perioperative Transesophageal Echocardiography: Essential Cases. Edited by Perrino AC, Reeves ST, Glas KE, Lippincott Williams & Wilkins, 2011, pages 313-316.

Nicholson DJ, Lambert AS. The ins and outs of mitral valve repair surgery. The Practice of Perioperative Transesophageal Echocardiography: Essential Cases. Edited by Perrino AC, Reeves ST, Glas, Lippincott Williams & Wilkins, 2011, pages 183-187.