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CURRICULUM VITAE

Roy G. Masters

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CITIZENSHIP: Canadian

LANGUAGES: English

EDUCATION:

GENERAL:

Bishop's College (High School)

DIPLOMAS, DEGREES:

Memorial University of Newfoundland

Bachelor of Science 1974

Bachelor of Medical Science 1976

Doctor of Medicine (M.D.) 1978

L.M.C.C. 1978

Fellow, Royal College Physicians & Surgeons, Canada
(FRCSC, General Surgery) 1984

Diplomate, American Board of Surgery 1985

Fellow, Royal College Physicians & Surgeons, Canada
(FRCSC, Cardiovascular and Thoracic Surgery) 1986

Board Eligible, American Board of Thoracic Surgery

Fellow, American College of Chest Physicians
(FCCP) 1989

Fellow, American College of Surgeons
(FACS) 1990

POSTGRADUATE TRAINING:

Memorial University of Newfoundland - Straight Intern in Surgery 1978-1979

University of Ottawa - Resident, General and Cardiothoracic Surgery 1979-1985

Chief Resident, General Surgery

Chief Resident, Cardiothoracic Surgery

Chief Administrative Resident, University of Ottawa, Department of Surgery, 1984-1985
University of Ottawa Heart Institute, Clinical and Research Fellow 1985-1986

APPOINTMENTS:**ACADEMIC:**

Assistant Professor, Surgery, University of Ottawa: 1988-1995

Associate Professor, Surgery, University of Ottawa: 1995-2000

Professor of Surgery, University of Ottawa: May 1, 2000-

Program Director (Residents Training Program) Cardiac Surgery, 1991- 2005

Staff Cardiac Surgeon, University of Ottawa Heart Institute

Consultant Cardiac Surgeon, Children's Hospital of Eastern Ontario
1988-1993

CLINICAL:

Clinical Care Coordinator, Total Artificial Heart and Ventricular Assist Program (1986-1991)

Subsystem Chief Coordinator of Clinical Studies - EVAD Program (1988-1991)

Director - Surgical Intensive Care (1991-1994)

Surgical Director - Cardiac Transplantation (1991 - 2002)

Co-Director, Ottawa Heart Institute Valve Clinic (1986 - 2003)

Member, Board of Directors, Cardiovascular Devices Division, Heart Institute Research Centre

AWARDS:

Government of Newfoundland Scholarship

Mosby Award for Scholastic Excellence, Fourth Year Medical Studies

Excellence in Teaching, Department of Surgery, 2005

GRANTS:

Physicians' Services Incorporated Foundation : Cardionatin Release Following Cardiac Transplantation,
\$25,000: 1987-1989. (R.G. Masters, Principal Investigator)

National Institute of Health - National Research Council: Ottawa - UTAH Electrohydraulic Ventricular Assist Device (EVAD), \$20 million: 1988 - 1993 (W.J.Keon, Principal Investigator)

National Institute of Health - Silent Coronary Ischemia Pilot, \$375,000: (RF Davies, Principal Investigator)

Supervisor: Martin L. Wills High School Student Scholarship - Heart and Stroke Foundation (David Caloia) 1988

Supervisor: Ontario Heart and Stroke Foundation - Medical Student Scholarship (Marc Rodger) 1988

Supervisor: Martin L. Wills High School Student Scholarship - Heart and Stroke Foundation (Shannon Fraser) 1989

Supervisor: Martin L. Wills High School Student Scholarship - Heart and Stroke Foundation (Eric Bedard) 1990

Supervisor: Martin L. Willis High School Student Scholarship - Heart and Stroke Foundation (Jay Nathanson) 1990

Supervisor: John D. Schultz Scholarship - Heart and Stroke Foundation (Jay Nathanson) 1991

Medical Research Council of Canada - Quadralogics Technology Inc.: An Assessment of Photodynamic Therapy in the Treatment of Coronary Artery Restenosis.\$180,000: 1992 - 1994. (RS Labow, Principal Investigator)

Medical Research Council: Antithrombotic Therapy Following Heart Valve Replacement. \$100,000. (G.Turpie, Principal Investigator)

Medical Research Council of Canada: Multi-Centre Radial Artery Patency Study. \$420,000: 1996 - 1999 (S. Fremes, Principal Investigator, R.G. Masters, Ottawa site P.I.)

Heart and Stroke Foundation: Prediction of the Amount of Recoverable Left Ventricular Function following Revascularization in Patients with Severe Left Ventricular Dysfunction using FDG PET \$300,000: 1996 - 1997 (R. Beanlands, Principal Investigator)

Industry Canada / Medical Research Council / NSERC: Advancing the Canadian Artificial Heart for Clinical Application \$5,500,000: 1995-1998 T Mussivand, Hendry PJ, Masters RG, Keon WJ et al.

University Research Incentive Fund (URIF) Design, development and Assessment of Miniature Electrical Connectors for Implantable Medical Devices. \$125,000: 1995-1997 T Mussivand, Hendry PJ, Masters RG, Keon WJ et al.

Medical Research Council (MRC). Endocrinology of Heart Failure. \$508,495: 2000-2004. A deBold, RG Masters, RA Davies, JP Veinot.

Physicians Services Incorporated Foundation (PSI) BNP and Cardiac Rejection \$20,000: 2000-2001. M Haddad, RG Masters, P O'Rourke, A deBold.

National Heart Lung Blood Institute (NHLBI). Bypass Angioplasty Revascularization Investigation 2 Diabetes (BARI 2D). Total Award: \$8,060,000 (Ottawa: \$310,000: TC Ooi Tc (Principal Investigator), A Sorisky, RA Davies, M LeMay, RG Masters)

Endocrinology of Heart Failure and Inflammation. Canadian Institutes of Health Research (CIHR). \$187,640, 2006 - 2010. DeBold (PI), Haddad, Veinot, Wells, Hendry, Masters.

INDUSTRY FUNDING:

Miles Canada Inc. A prospective randomized comparison of ciprofloxacin with ceftazidime in the treatment of pneumonia, 1989

Allelix Biopharmaceutical Inc: Effect of PTH on Calcium Uptake and Myocardial Contractility \$45,000, 1991 (R.G.Masters, Principal Investigator)

Quadralogics Technology Inc.: Effect of Photodynamic Therapy on Coronary Restenosis - Pilot Study, \$12,000

Paradigm Technologies. Blood Compatibility of Phospholipid Surface Modification Technology Evaluation, \$17,000.00, 1992

Medtronic of Canada: Long-term Function of Prosthetic Heart Valves, \$32,000.00 (per annum).

Shiley Inc: Long-term Performance of Ionescu-Shiley Pericardial Valve. \$40,000.00 (per annum).

Scios Nova Inc. A Double-Blind, Randomized, Placebo-Controlled Phase II/III, Multicenter Clinical Trial to Evaluate the Safety and Efficacy of Intravenous Auriculon in the Treatment of Acute Tubular Necrosis. 1993-1995, \$40,000.00

Smith Kline Beecham Pharmaceuticals. Randomized, Double-Blind, Placebo-Controlled Multicentre Study to Assess the Safety, Efficacy and Pharmacokinetics of Intravenous Acyclovir for the Treatment of Mucocutaneous Herpes Simplex Infection in Immunocompromised Patients.

Sandoz Pharmaceuticals. Prospective Randomized Trial Comparing Sandimmune and Neoral in Heart Transplant Recipients. 1996-1999 \$200,000 (R.G. Masters, Principal Investigator)

St. Jude Medical. Efficacy of Home Monitoring of Anticoagulation: A Randomized Trial. 1997-1998 \$95,000 (R.G. Masters, Principal Investigator)

Novartis Pharmaceuticals: A Randomized, Multicenter Double-Blind Trial of the Efficacy and Safety of SDZRAD versus Azathioprine in heart transplantation. 1999-2002. \$250,000 (R.G. Masters, Principal Investigator)

Medical Carbon Research Institute: A Multicenter Trial of the Safety and Efficacy of the On-X Mechanical Valve. 1999-2003. \$250,000 (R.G. Masters, Principal Investigator)

MEMBERSHIPS:

Ontario Medical Association (OMA)

Canadian Medical Association (CMA)

American College of Surgeons (ACS)

American College of Chest Physicians (ACCP)

Canadian Cardiovascular Society (CCS)

Chair, Membership Committee, 2001-
Secretary, 2002-

American Society for Artificial Internal Organs (ASAIO)

Society of Thoracic Surgeons (STS)

International Society for Artificial Internal Organs (ISAIO)

Canadian Transplant Society (CTS)

Canadian Society of Cardiac Surgeons (CSCS)

Secretary-Treasurer, 1995-2002

International Society for Heart and Lung Transplantation (ISHLT)

Canadian Association of University Surgeons

International Federation of Surgical Colleges

ADMINISTRATION:

Financial Resources Committee, Ottawa Heart Institute, 1987-2000

Data Management Committee Ottawa, Heart Institute Research Centre

Organizing Committee, XIII Meeting, International Society on Oxygen Transport

Ottawa Civic Hospital Medical Audit & Tissue Review Committee

Advisory Board, Michener Institute Affiliated Cardiovascular Perfusion Program, Toronto

Nutrition Committee, Ottawa Civic Hospital

Chairman, Intensive Care Committee, Ottawa Heart Institute (1990-1992)

Intensive Care Committee, Ottawa Civic Hospital

Mortality Review Committee, Ottawa Heart Institute

Surgical Executive - Department of Surgery, Ottawa Civic Hospital, 1991-2001

Heart Institute Research Advisory Committee

Medical Advisory Committee, Organ Donation Ontario

Speciality Training Committee, Cardiothoracic Surgery, Royal College of Physicians and Surgeons of Canada

Board of Directors, Cardiovascular Devices Division, Ottawa Heart Institute

Medical Advisory Committee. Michener Institute for Applied Health Sciences, Toronto

Quality Assurance Committee, Ottawa Heart Institute

Postgraduate Education Committee, Dept. of Surgery, University of Ottawa

Surgical Executive Committee, Dept. of Surgery, University of Ottawa,

Executive Postgraduate Education Committee, Dept. of Surgery, University of Ottawa

Undergraduate Surgical Education Committee, University of Ottawa

Faculty Council, Dept. of Surgery, University of Ottawa, 1995 - 1998

Cardiovascular Health - 1993, Expert Panel, University of Ottawa

Cardiovascular Expert Panel Committee member

Chairman, Transplantation Committee, Ottawa Civic Hospital (1993 - 1996)

Member, Conjoint Committee for the Accreditation of Educational Programs in Cardiovascular Perfusion and Respiratory Therapy, Canadian Medical Association

Core Surgical Committee, University of Ottawa

Nucleus Member, Royal College of Physicians & Surgeons of Canada, January 1995 -

Secretary, Canadian Society of Cardiac Surgeons, 1995

Member, Board of Directors, Organ Donation Ontario, 1996-2001

Member, Standards and Guidelines Committee, Organ Donation Ontario, 1996-1998

Chairman, Standards and Guidelines Committee, Organ Donation Ontario, 1998-

Secretary-Treasurer, Canadian Society of Cardiac Surgeons, 1999-

Premier's Advisory Board - Transplantation, 2000

Member, Board of Directors, Trillium Gift of Life, 2001-2003

Member, CCS Membership Committee, 2001-

Member, Royal College of Physicians and Surgeons of Canada, Examinations Board in Cardiac Surgery, 2001-2005

Management Committee, University of Ottawa Heart Institute Alternate Funding Program, 2008 -

PRESENTATIONS:

PROVINCIAL

1. Thoracic Outlet Syndrome. RG Masters, Surgical Residents Day, Ottawa 1980
2. Abdominal Aortic Aneurysms, RG Masters, Surgical Residents Day, Ottawa 1981
3. Bronchogenic Carcinoma, RG Masters, Surgical Residents Day, Ottawa 1982
4. Decreasing Morbidity and Mortality in Abdominal Aortic Aneurysm Repair. T.K. Scobie and R.G. Masters, Canadian Association of Clinical Surgeons, Ottawa, 1982
5. Efficacy of Cardioplegia: Blood versus Crystalloid, RG Masters, Surgical Residents Day, Ottawa 1983
6. Percutaneous Angioplasty of the Femoral-Popliteal Segment, RG Masters, Surgical Residents Day, 1984
7. Congenital Heart Disease - Surgical Management: RG Masters, University of Ottawa School of Nursing, Queens University and University of Western Ontario, June, 1987

- 8.Total Artificial Heart As A Bridge To Transplantation: RG Masters, Ottawa Heart Institute Department of Rehabilitation, January 1987
- 9.Heart Transplants and Artificial Hearts: Ethical Issues : RG Masters, Ottawa Civic Hospital June 22, 1987
- 10.Congenital Heart Disease. Critical Care for Nurses. January 1988, R.G. Masters
- 11.The Coronary Circulation : Basic Science for Anesthesiology, RG Masters, March, 1988
- 12.Adult Cardiac Surgery. Postgraduate Cardiology Lecture Series. January 1988, R.G. Masters
- 13.Cardiac Transplantation : RG Masters, J.S. Woodsworth Secondary School, Health Day, April 20, 1988
- 14.Cardiac Transplantation : RG Masters, Cornwall Heart Society, April 20, 1988
- 15.Cardiac Transplantation : RG Masters, Nursing Education Seminar April 1988
- 16.Total Artificial Heart, R.G. Masters, Scientific Program CHRO, Montebello, Nov. 18, 1988
- 17.Pulmonary Embolectomy, R.G. Masters, Postgraduate Teaching, Emergency Physicians
- 18.Pulmonary Embolism: RG Masters, Postgraduate Vascular Surgery Lecture, February 1989
- 19.Cardiac Transplantation: RG Masters, Donor Awareness Week, University of Ottawa, February 28, 1989
- 20.Cardiac Transplantation: RG Masters, Ottawa Medical Review Society, March 6, 1989
- 21.Cardiac Transplantation: RG Masters, Donor Awareness Week: Ottawa Civic Hospital, April 1989
- 22.Endocrine Response to Cardiac Transplantation. RG Masters, Professor's Rounds : University of Ottawa Department of Surgery. May 3, 1989
23. Artificial Heart. RG Masters, Ontario Heart & Stroke Foundation, Smiths Falls Chapter, May 1989
- 24.Cardiac Transplantation, Innovative Developments in Health Care. RG Masters, Ottawa, July 24, 1989
- 25.Neonatal Heart Transplantation - A Viable Option? Neonatal Care: A Review of Current Practice RG Masters, Nov 30, 1989
- 26.Organ Transplantation. R.G. Masters, Ontario Pharmacists Association, February 11, 1990

27. Class Day - Transplants and Assist Devices: RG Masters, Ottawa Civic Hospital, February 12, 1991
28. Transplantation & Artificial Hearts: RG Masters, Ottawa Engineers Association February 26, 1991
29. M.O.R.E. Workshop, Currents and Future Trends in Organ Donation and Transplantation: RG Masters Heart Transplant Programs
30. Update in Cardiac Surgery, RG Masters, Ottawa Heart Institute Alumni, May 1992.
31. Cardiac Transplantation: RG Masters, Hawkesbury General Hospital, May 1992.
32. Mechanical Circulatory Assists: RG Masters, M.O.R.E. Annual Meeting, Toronto, June 5, 1992.
33. Chairman, Thoracic Transplantation Workshop, M.O.R.E. Annual Meeting, Toronto, June 5, 1992.
34. Mechanical Bridge to Transplantation: RG Masters, University of Ottawa Department of Surgery Grand Rounds, 1995.
35. Mechanical Circulatory Support: RG Masters, University of Ottawa Heart Institute Cardiology Rounds, June 1999
36. Cardiac Transplantation - Yesterday and Today. Transplantation Workshop, Ottawa, 2002.

PRESENTATIONS:

INTERNATIONAL

1. Changing Factors Influencing Abdominal Aortic Aneurysm Repair. T.K. Scobie and R.G. Masters, International Cardiovascular Society, Athens, Greece, 1981
2. The Total Artificial Heart As A Bridge to Transplantation, (Movie) W.J. Keon, R.G. Masters, Hospital Expo 1987, Mexico City, January 27-30, 1987
3. Survival after Spontaneous Left Main Coronary Artery Dissection: Acute Surgical Intervention with Jarvik Artificial Heart, W.D. Boyd, A. Koshal, R.G. Masters, E.M. Farrell, W.J. Keon, American College of Chest Physicians, Annual Scientific Assembly, Atlanta, Oct. 1987
4. Use of the Jarvik Total Artificial Heart As Bridge to Transplantation. W.J. Keon, R.G. Masters, E.M. Farrell, A. Koshal, Antwerp, June 10-12, 1987
5. Cardiogenic Shock: Use of The Total Artificial Heart As A Bridge To Transplantation, R.G. Masters, Beijing, China, November 4-7, 1987

6. The Total Artificial Heart As A Bridge to Transplantation, A.C.S. W.J. Keon, R.G. Masters, A. Koshal, E.M. Farrell San Francisco, October 11-16, 1987
7. The Total Artificial Heart As A Bridge to Transplantation I.S.C.V.S. W.J. Keon, R.G. Masters, A. Koshal, E.M. Farrell, Sydney, September 20-25, 1987
8. Coronary Endarterectomy - An Adjunct to Bypass Grafting. W.J. Keon, R.G. Masters, European Society for Cardiovascular Surgery, Helsinki, Finland, August 1988
9. Early Clinical Experience with a New Bioprosthesis: The Importance of Hemodynamic Assessment. R.G. Masters, W.J. Keon, A.L. Pipe, K. Chan, V.M. Walley, A. Boyle, Asia-Pacific Valve Symposium Feb 15-17, 1991, California
10. Are Mechanical Valves a Good Alternative for the Elderly? R.G. Masters, W.J. Keon, A.L. Pipe, A. Koshal, Asia-Pacific Valve Symposium Feb 15-17, 1991, San Francisco, California.
11. Continuous Arteriovenous Hemofiltration (CAVH) and Continuous Equilibration Peritoneal Dialysis (CEPD): A Preferred Approach for Post Cardiac Surgery Renal Failure (PCSRF) N. Assi, A. Koshal, G.A. Posen, R.G. Masters, W.J. Keon, CCS Meeting, Oct 1990, Halifax, Nova Scotia
12. In-vitro and In-Vivo Evaluation of a Unified Ventricle Assist Device. Mussivand T, Diegel P, Miller J, MacLean G, Santere P, Masters RG, Hendry PJ, Adams W, Olsen D, Keon WJ, Cardiovasc Science & Technology, Baltimore, December 1991.
13. Current Functional Status of Symbion Total Artificial Heart Recipients Post-Transplantation. Johnson KE, Farley MB, Grady KL, Capretta CJ, Masters RG, Cleavinger M, Emery RW. Soc of Thoracic Surgeons, San Francisco, California, November 15-17, 1991.
14. Symbion Total Artificial Heart for Cardiogenic Shock. Masters RG, Hendry PJ, Keon WJ, Koshal A, Davies RA, 38th Annual Meeting, ASAIO, Nashville, Tennessee, May 7-9, 1992.
15. Performance Evaluation of a Transcutaneous Infrared Telemetry System. Miller J, Mussivand T, Belanger G, Hendry PJ, Masters RG, Nashville, Tennessee, May 7-9, 1992.
16. Performance Evaluation of a Transcutaneous Energy Transfer System. Mussivand T, Miller J, Belanger G, Rajagopalan K, Hendry PJ, Masters RG, Keaney M, Walley VM, Stinson W, Keon WJ, 38th Annual Meeting, ASAIO, Nashville, Tennessee, May 7-9, 1992.
17. Unified Electrohydraulic Ventricular Assist Device. Mussivand T, Diegel P, Masters RG, Hendry PJ, Miller JA, MacLean GK, Santerre JP. European Society of Artificial Organs, Rhodes, Greece, October 1992.
18. Influence of Priority Status on Outcome of Cardiac Transplantation. Masters RG, Hendry PJ, Davies RA, Mussivand T, Struthers C. International Society of Cardiothoracic Surgeons 3rd World Congress, Salzburg, 1993.

19. Trends in Emergency Bypass for Failed PTCA (1981-1991). Gill I, Hendry PJ, Laramée LA, Masters RG, Keon WJ. International Society of Cardiothoracic Surgeons 3rd World Congress, Salzburg, 1993.
20. Infective Endocarditis: Potential Role of Sequential Echocardiographic Studies. Auclair F, Chan K, Masters RG, Saginur R. 32nd Interscience Conference on Antimicrobial Agents and Chemotherapy, Anaheim, California, Oct. 1992.
21. Atrial Versus Ventricular Cannulation for Bridge-to-Transplantation with the Thoratec VAD System. Farrar, DJ and Thoratec VAD Clinical Investigators, Cardiovascular Science and Technology Conference, Bethesda, Md, Dec. 12-14, 1992.
22. Preoperative Predictors of Survival in Patients with Thoratec Ventricular Assist Devices as a Bridge to Cardiac Transplantation. Farrar DJ, and Thoratec VAD Principal Investigators, International Society for Heart and Lung Transplantation, Boca Raton, Florida, April 1-3, 1993.
23. Infectious Mortality in the Jarvik Total Artificial Heart (TAH) as a Bridge to Transplantation. Morrissey J-P, Saginur R, Jessamine P, Masters RG, Keon WJ. 33rd ICAAC, New Orleans, May 1993.
24. Development of a Totally Implantable Intrathoracic Ventricular Assist Device. Mussivand T, Szurmak Z, Rajagopalan K, Robichaud R, Belanger G, Hum A, Rachniowski M, Kouhi R, Borza S, Santerre JP, MacLean GK, Hendry P, Masters RG, Keaney M, Walley V, Olsen D, Keon WJ. Amer. Soc for Artificial Internal Organs, San Francisco, April 1994.
25. The Effect of a Benzoporphyrin Derivative (BPD) and Photodynamic Therapy on Cultured Human Artery Smooth Muscle Cells. Labow R, Higginson L, Irvin J, Keaney M, Masters RG, Marquis JF, Meek E, Mussivand T, Walley VM. Restenosis Summit VI, Cleveland, Ohio, May 1994
26. The Morphology of Explanted Ionescu-Shiley Pericardial Xenografts. Walley WM, Masters RG, Stinson WA, Pipe AL, Keon WJ. International Symposium, Cardiac Bioprosthesis, Vancouver, 1994.
27. Long-term Follow-Up of the Ionescu-Shiley Pericardial Xenograft. Masters RG, Walley VM, Pipe A, Keon WJ. International Symposium, Cardiac Bioprosthesis, Vancouver, July 1994.
28. Anticoagulation and Heart Valves. Masters RG. International Symposium Cardiac Bioprosthesis, Vancouver, July 1994.
29. Development of a Transcutaneous Energy and Information Transfer System. Mussivand T, Hum A, Diguier M, Holmes K, Vecchio G, Masters RG, Hendry P, Keon WJ. 41st Annual ASAIO Conference, Chicago, May 1995.

30. Artificial Heart and Ventricular Assist Devices Program: An Eight Year Experience at the University of Ottawa Heart Institute. Hendry P, Masters RG, Ross RA, Smith S, Walley VM, Struthers C, Mussivand T, Lavallee G, Blohon R, Keon WJ. Circulatory Support Meeting, Pittsburg, 1994.
31. Preoperative and Postoperative Comparison of Patients with Uni- and Bi-Ventricular Thoratec VAD Support as a Bridge to Heart Transplantation. David J. Farrar, J. Donald Hill and Thoratec VAD Principal Investigators, California Pacific Med Ctr, San Francisco and Thoratec Laboratories, Berkeley CA.
32. Development of a Totally Implantable Intrathoracic Ventricular Assist Device. Mussivand T, Hendry PJ, Masters RG, Holmes KS, Hum A, Rajagopalan K, Keon WJ. X World Congress of the International Society for Artificial Organs, Taipei, November 1995.
33. Benzoporphyrin Derivative alone has no Inhibitory Effect on Intimal Hyperplasia: In Vivo and In Vitro Results. Chen JC, Labow RS, Meek E, Higginson LAJ, Marquis J-F, Masters RG, Walley VM, Mussivand T, English JC, Hsiang YN. Restenosis Summit Meeting, Cleveland, 1995
34. Determinants of Hospital Survival Following Isolated Re-operative Valve Replacement Gill IS, Masters RG, Pipe AL, Walley VW, Keon WJ. Indian Association of Cardiovascular & Thoracic Surgeons, New Delhi, India, February 1996.
35. Evaluation of a Totally Implantable Intrathoracic Ventricular Assist Device. Keon WJ, Masters RG, Hendry PJ, Mussivand T. Cardiac Interventions: Standards and Concepts, Vienna, Austria, June 1996.
36. Is There a Need for Concomitant Aortic Valve Replacement in Patients with Mild Aortic Stenosis Undergoing CABG? Tam, JW, Masters RG, Burwash, IG, Kim HH, Chan KL. American Heart Association 69th Scientific Session, New Orleans, Nov 1996.
37. Mechanical Bridge to Transplant - Respiratory Care. Poster Presentation. Bourke M, Masters RG, Hendry, Keon. The 7th World Congress of Intensive & Critical Care Medicine, Ottawa, 1997.
38. Remote Monitoring of Patients with Implantable VADs using Cellular Technology. Mussivand T, Hum A, Holmes KS, Hendry PJ, Masters RG, Keon WJ. ASAIO, Atlanta, 1997.
39. An Intrathoracic Ventricular Assist Device without Percutaneous Connections. Mussivand T, Hendry PJ, Masters RG, King M, Pall H, Holmes KS. World Congress of the International Society of Artificial Organs, June, 1997.
40. Recovery of Calves with Ventricular Tachycardia/Fibrillation by a LVAD. Ibrahim M, Hendry P, Masters R, Bourke M, Keaney M, Kilborn M, Mueller R, Keon W, Mussivand T. ASAIO Annual Meeting, New York, April 1998
41. Thirty Day In-Vivo Evaluation of the HeartSaver Ventricular Assist Device. Mussivand T, Hendry P, Masters R, Ibrahim M, Bourke M, Keaney M, Ho C, Keon W. ASAIO Annual Meeting, New York, April 1998.

42. Should Cardiopulmonary Bypass be Avoided when implanting VADs in a Bovine Model? Hendry P, Masters R, Ibrahim M, Bourke M, Keaney M, Mueller R, Keon W, Mussivand T. ASAIO Annual Meeting, New York, April 1998.
43. In-Vivo Evaluation of an IntraThoracic Ventricular Assist Device. Hendry P, Masters R, Ibrahim M, Bourke M, Keaney M, Kilborn S, Keon W, Mussivand T. ASAIO Annual Meeting, New York, April 1998.
44. Circulatory Support for Cardiogenic Shock due to Acute Myocardial Infarction. PJ Hendry, R.G. Masters, T. Mussivand, S. Smith, R.A. Davies, S. Finlay, W.J. Keon. ISHLT, Chicago, April, 1998.
45. A Totally Implantable Ventricular Assist Device for Long-Term Out-of-Hospital Support. T Mussivand, PJ Hendry, R.G. Masters, W.J. Keon. ISHLT, Chicago, April, 1998.
46. Long-term Clinical Studies with Mechanical Heart Valves. R. Masters Madras, India, Sept 1998
47. Long-term Clinical Studies with Mechanical Heart Valves. R. Masters, Madras, India, Sept 1998
48. Long-term Clinical Studies with Mechanical Heart Valves. R. Masters, Hyderabad, India, Sept 1998
49. Long-term Clinical Studies with Mechanical Heart Valves. R.G Masters, Calcutta, India, Sept 1998
50. Comparative Results with Three Mechanical Valves. Masters RG, Helou J, Pipe A, Keon WJ. World Heart Valve Symposium, London, June 1999
51. Are Mechanical Valves a Good Alternative for the Elderly? Masters RG, Semelhago L, Pipe AL, Keon WJ. World Heart Valve Symposium, London, June 1999
52. Durability of the Hancock Bioprosthesis. Masters RG, Pipe AL, Keon WJ. World Heart Valve Symposium, London, June 1999
53. Patient Selection for Mechanical Circulatory Support. Masters RG. Brazilian Cardiovascular Symposium, Belo Horizonte, November 1999.
54. Mechanical Support in Acute Myocardial Infarction. Masters, RG. Brazilian Cardiovascular Symposium, Belo Horizonte, November 1999.
55. Patient Selection for Mechanical Circulatory Support. Masters RG. Scientific Forum X, Belo Horizonte, Brazil, December 2000.

56. Cardiac Surgery in the Elderly. RG Masters. Scientific Forum X, Belo Horizonte, Brazil, December 2000.
57. Long-Term Prosthetic Valve Function. RG Masters. Scientific Forum X, Belo Horizonte, Brazil, December 2000.
58. Mechanical Circulatory Support: Contemporary Results. RG Masters. Scientific Forum X, Belo Horizonte, Brazil, December 2000.
59. Cardiac Transplantation & Mechanical Circulatory Support. RG Masters. Grand Rounds: Case Western Reserve University, Cleveland, Ohio, May 2001.
60. Seventeen Years with Cardiac Transplantation. WAITS, Ottawa, August 2001
61. Are Mechanical Valves safe for use in the Elderly? RG Masters. Valve Perspectives, Colorado Springs, USA, Sept 2001
62. Bridging to Transplantation: Surgical Issues. RG Masters, Grand Rounds, Department of Surgery, Porte Alegre, Brazil, Nov 2002.
63. Bridging to Transplantation: Surgical Issues. RG Masters, Scientific Forum XI, Belo Horizonte, Brazil, Nov 2002.
64. Implantation of the LVAD in the Bovine Model. RG Masters, Scientific Forum XI, Belo Horizonte, Brazil, Nov 2002.
65. Heart Transplantation - Ottawa Results. RG Masters, Scientific Forum XI, Belo Horizonte, Brazil, Nov 2002.
66. Patient Selection for Mechanical Circulatory Support. Pre-Congress Symposium, Barra D'Or Hospital, Rio de Janeiro, Brazil, 2003.
67. Indications and Results with Transplantation and Artificial Hearts. First World Congress, International Academy of Heart Research, Belo Horizonte, Brazil, 2003.
68. Mid-Life Dilemma: Mechanical versus Bioprosthetic Valves. Kulik, Lam, Rubens, Masters, et. al. International Society for Heart Valve Disease Annual Meeting. Vancouver, June 2005.

PRESENTATIONS:

NATIONAL:

1. Total Artificial Heart as a Bridge to Transplantation in Cardiogenic Shock. Keon WJ, Masters RG, Koshal A, Farrell EM, Canadian Association of Clinical Surgeons, St. John's, June 1987

- 2.Total Artificial Heart as a Bridge to Transplantation in Cardiogenic Shock. Keon WJ, Masters RG, Koshal A, Robblee J, Canadian Society of Cardiovascular and Thoracic Surgeons-Annual Meeting, Winnipeg September, 1987
- 3.Total Artificial Heart in Cardiogenic Shock, Case Report.W.J. Keon, R.G. Masters, A. Koshal, E.M. Farrell, S.T.S. Toronto, September 21-23, 1987
- 4.The Total Artificial Heart (TAH) As A Bridge To Transplantation in Cardiogenic Shock. W.J. Keon, R.G. Masters, A. Koshal, E.M. Farrell, J.Robblee, Edmonton, October 28-31, 1987
- 5.National Presentation to First Canadian Symposium on Multi-Organ Transplantation, W.J.Keon, R.G.Masters, A Koshal, London, June 1988
- 6.Cardiac Transplantation. R.G. Masters, W.J. Keon, A. Koshal, C.M.E. Day, Memorial University, St. John's, Nfld. July 1988
- 7.Cardiac Transplantation, R.G. Masters, M.O.R.E. Orientation Meeting, Toronto, July 19, 1989
- 8.Cardiac Transplantation. R.G. Masters, Canadian Society of Hospital Pharmacists February 7, 1990
- 9.Mechanical Cardiac Assist Device. R.G. Masters, Canadian Society of Respiratory Therapists -Saint John, N.B., May 1990
- 10.Mechanical Circulatory Assistance. R.G.Masters, Canadian Lung Association 1990 - Ottawa
- 11.Cardiac Surgery - Ottawa (Nursing) - R.G.Masters, University of Ottawa, 1989
- 12.Heart Transplantation, R.G.Masters, Ottawa Civic Hospital, October, 1990
- 13.Transplant Surgery and Donor Selection. R.G.Masters, Ontario Association of Medical Radiation Technologists, November 1990
- 14.Neonates with Congenital Heart Disease - Critical Care for Nurses. R.G.Masters, University of Ottawa, November 1990
- 15.Critical Anatomical Dimensions for Intrathoracic Circulatory Assist Devices: T Mussivand, RG Masters, PJ Hendry:VIII World Congress of International Society for Artificial Organs - IV International Symposium on Blood Substitutes - Montreal August 1991
- 16.Are Mechanical Valves A Good Alternative for the Elderly? R.G. Masters, A. Pipe, A. Koshal, K. Edmonds, W.J. Keon, October 18, 1991, Calgary, Alberta
- 17.Orthotopic Cardiac Transplantation in Neonates and Children: Early Results. Simons J, Masters RG, Vlad P, Koshal A, Keon WJ, Can Cardiovasc Society, Calgary, Alberta, October 18, 1991.

18. Cardiac Tumors: University of Ottawa Experience. Waitrowska B, Walley VM, Masters RG, Goldstein G, Keon WJ, Can Academy Pathology, Sept. 1992.
19. Death After Cardiac Transplant: Causes. Walley VM, Boone SA, Masters RG, Davies RA, Keon WJ. Can Academy Pathology, Sept. 1992.
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TEACHING:

Postgraduate Teaching - Surgery Residents, University of Ottawa

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