



CURRICULUM VITAE

FRASER RUBENS
MD, MSc, FACS, FRCS(C)



The Ottawa
Hospital | L'Hôpital
d'Ottawa



uOttawa



UNIVERSITY OF OTTAWA
HEART INSTITUTE
INSTITUT DE CARDIOLOGIE
DE L'UNIVERSITÉ D'OTTAWA

Executive Profile

Recognized as an accomplished and influential medical and research leader at the Ottawa Hospital, The Heart Institute and the University of Ottawa medical faculty, Dr. Rubens brings over 20 years of medical service and 10 years of senior leadership delivery to his organization, staff and patient population.

An exceptional communicator, he has been able to translate to his team(s) the clearest messages of intention and enthusiasm, leading them to extraordinary accomplishment at all levels. He is proud of his “values first” service contributions as a leader to his organization and to the many complex healthcare and administrative challenges that confront and often confound the medical leadership across the region. His viewpoints and counsel are often sought out by the area organizational executives and community leaders and his boundless enthusiasm permeates across his respected peer group. Dr. Rubens has an extraordinary talent to reach out to others in creative ways and is a popular and very active community contributor.

Obviously proud of his current responsibilities and fully engaged in his regional role, he is also poised to take on even more responsibility and is always looking around the next corner for the next exciting and meaningful challenge. He is acutely aware of the leadership required to be successful in these volatile and complex times.

Summary of Academic, Education and Research Achievements

A native of Kingston, Ontario, Dr. Rubens completed his medical school training at Queen’s University in 1985. After completing his surgical training in Ottawa, Dr. Rubens undertook research training as a Fellow from the Medical Research Council in the Department of Pathology at McMaster University, for which he received a Masters of Science degree for work focusing on thrombosis and cardiovascular devices. In 1992 he returned to Ottawa to complete his cardiothoracic training and fellowship. Dr. Rubens was certified by the Royal College of Physicians and Surgeons of Canada in General Surgery in 1990 and in Cardiovascular and Thoracic Surgery in 1994. He was promoted to the rank of Full Professor in the Department of Surgery in 2006.

Dr. Rubens established an active Canadian program in the surgical treatment of chronic pulmonary embolism for which more than 180 patients have benefited which is the second largest case series in North America. The program in Ottawa receives referrals from across Canada and has been recognized as a Center of Excellence by the Province of Ontario. Dr. Rubens has successful experience in minimally invasive surgery and novel surgical therapy for high risk patients undergoing cardiac surgery, and he has pioneered several key surgical techniques in Ottawa including radial artery bypass, descending thoracic aorta-coronary bypass, gastro-epiploic bypass, stentless valve surgery, arterial y-grafting, axillary artery cannulation, off-pump redo coronary surgery, mammary artery skeletonization, arterial grafting in the elderly and novel techniques in off-pump surgery. Dr. Rubens is recognized nationally as a leader in multiple arterial revascularization having completed over 1400 cases of bilateral internal thoracic artery grafting of which over 1000 were completed using skeletonized techniques.

Dr. Rubens’ research has focused on improving the outcomes of patients undergoing surgery with the heart-lung machine. Dr. Rubens has been the principal investigator for several peer-reviewed grants from the Canadian Institute of Health Research and the Heart and Stroke Foundation and he has served as an internal scientific reviewer for the Heart and Stroke Foundation of Canada. He has over 200 peer-reviewed publications, review articles, abstracts and book chapters. He is also a popular speaker, having given over 80 invited lectures in Canada and abroad on the pathophysiology of cardiopulmonary bypass, chronic pulmonary embolism, and blood conservation. He is a member of the Canadian Cardiovascular Society, the American Heart Association, the Society of Thoracic Surgery, the American College of Surgeons and the Canadian Society of Cardiac Surgeons. Dr. Rubens is also the program director for the Cardiac Surgery Residency Training Program at the University of Ottawa and he has won numerous awards for his dedication, mentoring and novel teaching techniques.

Updated 2015 Dec 8

SUMMARY

Name	Fraser Rubens
Born	1961 Sep 19
Languages	English: spoken and written French: spoken and written
Office Address	Room H3401, Ottawa Heart Institute 40 Ruskin St. Ottawa, Ontario, Canada K1Y 4W7
Telephone	613 761 4720
Fax	613 761 4713
Email	frubens@ottawaheart.ca
Home Address	2768 Cassels Ottawa, Ontario, Canada K2B 6N8
Telephone	613-596-1233
Email	frubens@ottawaheart.ca
Current Positions	Program Director, Residency and Fellowship Program, Surgery, University of Ottawa Heart Institute, University of Ottawa, Ottawa, Ontario, Canada, 2006 Jan - present Director - Pulmonary thromboendarterectomy Program, Surgery, University of Ottawa Heart Institute, University of Ottawa, Ottawa, Ontario, Canada, 2005 Sep - present Chair - Cardiac Surgery Mortality Committee, Division of Cardiac Surgery, University of Ottawa Heart Institute at the Ottawa Civic Hospital, University of Ottawa, Ottawa, Ontario, Canada, 2002 Jan - present
Current Appointments	Active, The Ottawa Hospital, Department of TOH Surgery, Division of Cardiac Surgery Professor, University of Ottawa, Department of Surgery, Division of Cardiac Surgery Associate Professor, University of Ottawa, Department of Surgery, Division of Cardiac Surgery Assistant Professor, University of Ottawa, Department of Surgery, Division of Cardiac Surgery

EDUCATION AND QUALIFICATIONS

Degrees and Diplomas

1992 - 1994	Surgery, Cardiothoracic Surgery, University of Ottawa, Canada
1990 - 1992	M.Sc. Pathology, McMaster University, Canada, Supervisor: Drs. Raelene Kinlough-Rathbone, Hirsh, Weitz, Bras
1986 - 1990	Surgery, General Surgery, University of Ottawa, Canada
1985 - 1986	Internship, University of Ottawa, Canada
1981 - 1985	MD, Medicine, Queen's University, Canada

Qualifications, Licensures and Certifications

2015	On-Line Training Program for Clinical Research Training in International Conference on Harmonisation -Good Clinical Practice (ICH-GCP) guidelines, CIHR, Ontario, Canada
2012 - present	Fellowship - American College of Surgeons, American College of Surgeons, United States
2010	On-Line Training Program for Clinical Research Training in International Conference on Harmonisation -Good Clinical Practice (ICH-GCP) guidelines, CIHR, Canada
1994	Certification - Cardiothoracic Surgery, Royal College of Physicians and Surgeons
1993	FLEX, Medical Board of New York State
1990	Fellowship, Royal College of Physicians and Surgeons of Canada
1990	Certification - General Surgery, Royal College of Physicians and Surgeons
1986	General license, College of Physicians and Surgeons of Ontario

Research Training

2014 - 2015	Certification, Biostatistics, epidemiology, clinical trial design, Global Clinical Scholars Research Training Program, Harvard University, Boston, Massachusetts, United States
1994	Cardiac Surgery, University of Ottawa, Supervisor: Dr. Wilbert Keon
1990 - 1992	Pathology, McMaster University, Supervisor: Dr. Raelene Kinlough-Rathbone

EDUCATION AND CAREER EXPERIENCE**Honours and Awards**

2005	Finalist James Hogg Award for Clinical or Population Health Investigators, CIHR
1997	Career Scientist Award, Ontario Ministry of Health
1996	Career Scientist Award, Ontario Ministry of Health
1995	Career Scientist Award, Ontario Ministry of Health
1995	Clinical Traineeship Award, Royal College of Physicians and Surgeons of Canada
1994	Nomination CSCI/MRC Resident's Research Award, University Ottawa
1994	PSI Foundation Award, Department of Surgery, University of Ottawa
1994	W.E. Collins Prize-Best Overall Paper-Collin's Research Day, University of Ottawa
1994	R5, R6, R7 Resident Award-Collin's Research Day, University of Ottawa
1993	PSI Foundation Award, Department of Surgery, University of Ottawa
1991	Research Fellowship, Canadian Heart and Stroke
1991	Research Fellowship, Medical Research Council
1985	David Edward Mundell Prize for Orthopedics, Queen's University
1985	Hannah Washburn Polson Prize, Medicine, Surgery and Obstetrics, Queen's University
1985	Dr. & Mrs. Sydney P. Schiff Award-Greatest proficiency in Surgery, Queen's University
1985	Austin-Roberts Award for Surgery, Queen's University
1985	Department of Surgery Gold Medal for highest standing in Surgery, Queen's University
1982	Adiel Steacy Memorial Scholarship, Queen's University
1982	Adiel Steacy Memorial Scholarship, Queen's University
1982	Adiel Steacy Memorial Scholarship, Queen's University
1982	Briarly Browne Scholarship, Anglican Church of Canada
1980	Queen's Matriculation Scholarship, Queen's University
1979	Ontario Scholar, Ministry of Education

1979	George Maybee Memorial Award, KCVI
1979	Class of 1948 Award, KCVI

Teaching Awards

2015	Excellence in Teaching, University of Ottawa, Annual award to the winner of the best surgical teacher of the resident staff
2015	Program Director of the Year, Royal College of Physicians and Surgeons of Canada, Awarded to 2 recipients in Canada from all postgraduate residency programs to recognize a program director who has demonstrated a commitment to enhancing residency education as evidenced by innovation and impact beyond his/her program.
2015	Faculty of Medicine Award of Education Advancement and Innovation, Faculty of Medicine, University of Ottawa
2011	UOHIAMO Academic Award - Postgraduate Teaching, University of Ottawa Heart Institute at the Ottawa Civic Hospital
2010	PAIRO Teaching award (nominated), Professional Association of Interns and Residents of Ontario
2010	Excellence in Teaching, University of Ottawa, Annual award to the winner of the best surgical teacher of the resident staff
2009	Award of Excellence and Innovation in Postgraduate Medical Education-Honourable Mention

Positions Held

2006	Cardiac Surgery Representative, Cardiac Surgery Consensus Panel, Cardiac Care Network
1994	Research Fellow, University of Ottawa Heart Institute, Faculty of Medicine, Division of Cardiac Surgery
1990 - 1992	Postdoctorate Research Fellow, McMaster University, Faculty of Medicine, Department of Pathology

University Appointments

2006	Professor, Division of Cardiac Surgery, Department of Surgery, University of Ottawa
2001 - 2006	Associate Professor, Division of Cardiac Surgery, Department of Surgery, University of Ottawa
1995 - 2001	Assistant Professor, Division of Cardiac Surgery, Department of Surgery, University of Ottawa

Hospital Appointments

1995	Active, Division of Cardiac Surgery, Department of TOH Surgery, The Ottawa Hospital
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RESEARCH AND SCHOLARLY ACTIVITIES

Research Endeavours

Patents and Copyrights

2015	SULUNA - Aortic Annulus Calibration Device, United States, Co-holder(s): Matthieu Lemay, Jonathan Bedard Schami, Christopher Morgan, Fraser Rubens
2014	TENSION-LIMITING TEMPORARY EPICARDIAL PACING WIRE EXTRACTION DEVICE, PCT - Europe, Asia, Co-holder(s): Matthieu Lemay, Fraser Rubens
2014	TENSION-LIMITING TEMPORARY EPICARDIAL PACING WIRE EXTRACTION DEVICE, United States, US no. 62/013,825, Co-holder(s): Matthieu Lemay, Fraser Rubens
1997	Fibrin D-domain-coated prostheses and methods for their production, United States, 5609631, Co-holder(s): McMaster University, Paul D. Bishop
1992	Fibrin-coated polymer surfaces, United States, 5,272,074, Co-holder(s): McMaster University
	Suluna Annulus Sizer, United States, Co-holder(s): Matthieu Lemay

Grants

2015 - 2018	Reassessment of Anti-Platelet therapy using InDividualized Strategies -Ticagrelor in Patients with Acute Coronary Syndromes Treated by Coronary Artery Bypass Graft Surgery - A Pharmacodynamic and Clinical Study to Decrease Bleeding Risks and Ischemic Complications - The RAPID-TITRATE CABG study, CIHR, \$699,000, Co-principal Investigator
2011 - 2014	Transfusion requirements in cardiac surgery II (TRICSII), CIHR, \$356,466, Co-investigator
2010 - 2011	Plasma utilization following cardiac surgery, CIHR, \$224,808, Collaborator
2006 - 2009	Unraveling the black box of adverse events in cardiac surgery, Heart and Stroke Foundation of Canada, \$271,050, Collaborator

2006 - 2007	Post-operative plasma transfusions in cardiac surgery (POPTICS): A multicentre prospective observational study, CIHR, \$102,537, Co-principal Investigator
2005 - 2006	Transfusion reduction and modified ultrafiltration after cardiopulmonary bypass (TRAM) - a pilot feasibility trial (Multicenter RCT), Heart and Stroke Foundation of Canada, \$122,941, Principal or Joint Investigator
2004 - 2006	Clinical relevance of cardiotomy suction in cardiopulmonary bypass - (Multicenter RCT) - a renewal, CIHR, \$359,355, Principal or Joint Investigator
2004	Skeletonized versus non-skeletonized internal thoracic artery harvest in coronary artery bypass, Physician Services Incorporated, \$17,000, Principal or Joint Investigator
2004	Clinical relevance of cardiotomy blood in cardiopulmonary bypass, Ottawa Heart Institute, \$60,000, Principal or Joint Investigator
2003 - 2005	Endothelial modulation with L-arginine in patients undergoing angiogenic therapy, Heart and Stroke Foundation of Canada, \$149,314, Collaborator
2003 - 2005	The role of cardiopulmonary bypass in brain injury during cardiac surgery: feasibility of a magnetic resonance study, Heart and Stroke Foundation of Canada, \$107,286, Collaborator
2003 - 2004	The effect of brain temperature on neuropsychological outcome following cardiopulmonary bypass, CIHR, \$156,071, Principal or Joint Investigator
2002	Identification of therapeutic strategies to prevent systemic inflammatory response syndrome and improve outcome after cardiopulmonary bypass, CIHR-Industry, \$85,130, Principal or Joint Investigator
2001 - 2004	Clinical relevance of cardiotomy suction in cardiopulmonary bypass, CIHR, \$560,000, Principal or Joint Investigator
2001 - 2003	Clinical relevance of cardiotomy suction in cardiopulmonary bypass, Heart and Stroke Foundation of Canada, \$162,366, Principal or Joint Investigator
1999 - 2002	A randomized controlled trial for evaluation of a decision aid regarding predonation of autologous blood by patients undergoing elective open heart surgery, MRC, \$224,028, Co-principal Investigator
1999 - 2001	Multi-centre radial artery patency study, MRC, \$186,674, Collaborator
1998 - 2000	Does anemia delay the recovery from surgery in older patients? Bayer Blood Partnership Fund, \$40,000, Co-principal Investigator
1998	Platelet-rich plasmapheresis in cardiac surgery: a meta-analysis of the effect on transfusion requirements, Medtronics Canada, \$7,500, Principal or Joint Investigator
1997	A pilot study to assess preoperative autologous donation versus intraoperative acute normovolemic hemodilution in cardiac surgery, Ortho-McNeil Inc. \$30,000, Principal or Joint Investigator

1997	Phenotypic regulation of endothelial cell NOS and caveolin-1 in saphenous vein and internal mammary bypass grafts, Ottawa Heart Institute Overhead Fund, \$20,000, Principal or Joint Investigator
1995 - 2000	Hematologic and lipid-related risk factor assessment post-coronary artery bypass grafting, Merck-Frost, \$600,000, Co-principal Investigator
1995 - 1996	Clinical evaluation of COBE biocompatible extracorporeal circuits in cardiopulmonary bypass, COBE Cardiovascular Inc. \$70,323, Principal or Joint Investigator
1995	Genetically engineered vascular endothelial cells for the coating of prosthetic surfaces, J.P. Bickell Foundation, \$25,036, Principal or Joint Investigator
1995	Genetically engineered vascular endothelial cells for the coating of prosthetic surfaces, Ottawa Heart Institute Overhead Fund, \$19,000, Principal or Joint Investigator
1994	Platelet flow cytometry in cardiac surgery, Kiwanis Medical Foundation, \$1,000, Principal or Joint Investigator
1994	In vitro and in vivo effects on platelet function of amrinone and milrinone, Sanofi-Winthrop Canada, \$8,000, Principal or Joint Investigator
1994	Platelet effects of tranexamic acid in pediatric cardiac surgery, Pharmacia Canada, \$3,000, Principal or Joint Investigator
1994	Platelet flow cytometry in cardiac surgery, Miles-Cutter Canada, \$2,000, Principal or Joint Investigator
1993	Changes in platelet factor XII expression and plasma factor XIII during cardiopulmonary bypass, Physicians Services Incorporated, \$12,000, Principal or Joint Investigator

Supervision

2009 - 2010	Nada Gawad, Honours Bachelor of Science: Biomedical Science
2006 - 2008	Dr. Munir Boodhwani, M.Sc. - Research
2006 - 2007	Dr. Tao He
2005 - 2006	Dr. Marian Kotrec, MD, Fellow - Teaching

PUBLICATIONS

Refereed Journal articles

1. Rubens FD, Chen L, Bourke M. Assessment of the association of bilateral internal thoracic artery skeletonization and sternal wound infection after coronary artery bypass grafting. *Ann Thorac Surg*. 2016. In Press. **Principal Author (PA)**
2. Dennie CJ, Oikonomou A, Thornhill R, Rubens FD. Assessment of the impact of skeletonization on pleuropulmonary changes after bilateral internal thoracic artery harvest for coronary artery bypass grafting. *Scand J Surg*. 2015. In Press. **Senior Responsible Investigator (SRI)**
3. Juanda N, Chan V, Chan R, Rubens FD. Catheter-based educational experiences: A Canadian survey of residents and recent graduates in cardiac surgery. *Canadian Journal of Cardiology*. 2015. In Press. **Senior Responsible Investigator (SRI)**
4. Dennie CJ, Gee Y-Y, Oikonomou A, Thornhill R, Rubens FD. Clinical correlation of early atelectasis after bilateral internal thoracic artery harvest for coronary artery bypass grafting. *Heart Lung Circulation*. 2015. In Press. **Senior Responsible Investigator (SRI)**
5. Rubens FD, Rao RV, Chan V, Burwash IG. A matched-pair comparative analysis of the hemodynamics of the Trifecta and Perimount aortic bioprostheses. *J Heart Valve Dis*. 2015. In Press. **Principal Author (PA)**
6. Rubens FD. Off-pump on-pump debate: Caveat emptor. *JTCVS*;150(6):1668-9. Nov 2015. **Principal Author (PA)**
7. Rubens FD, Feindel C. Can we discuss BITA without embracing skeletonization? *JTCVS* 149(4):1218. Apr 2015. **Co-Principal Author (CPA)**
8. Chan V, Rubens F, Boodhwani M, Mesana T, Ruel M. Determinants of persistent or recurrent congestive heart failure after contemporary surgical aortic valve replacement. *J Heart Valve Dis* 2014; 23(6): 665-70. **Collaborator (C)**
9. Deb S, Singh SK, Moussa F, Tsubota H, Une D, Kiss A, Tomlinson G, Afshar M, Sless R, Cohen EA, Radhakrishnan S, Dubbin J, Schwartz L, Fremes SE; Radial Artery Patency Study Investigators. The long-term impact of diabetes on graft patency after coronary artery bypass grafting surgery: a substudy of the multicenter Radial Artery Patency Study. *JTCVS*, 2014, 148(4):1246-53. **Collaborator (C)**
10. Toeg H, Rubens F. Reply to the editor. *JTCVS* 2014; 147(4):1437-8. **Senior Responsible Investigator (SRI)**
11. Al-Atassi T, Kimmaliardjuk D, Labinaz M, Dickie S, Rubens F. A novel approach to safe redo-sternotomy in a patient with aortocutaneous fistula from an infected ascending aorta graft. *Perfusion* 2014;29(4):373-374. **Senior Responsible Investigator (SRI)**
12. Toeg HD, Rubens FD. Pedicled versus in situ internal thoracic artery: a petition for consistency in communication. *JTCVS*, 2014, 147(1):4-5. **Senior Responsible Investigator (SRI)**
13. Ngu, J, Rubens FD. Preparedness. *Perfusion* 2014;29(1):4-5. **Principal Author (PA)**

14. Elmistekawy E, Rubens F, Hudson C, McDonald B, Ruel M, Lam K, Mesana TG, Boodhwani M. Preoperative anaemia is a risk factor for mortality and morbidity following aortic valve surgery. *Eur J Cardiothorac Surg* 2013, 44(6):1051-6. **Collaborator (C)**
15. Elmistekawy E, Rubens FD, Hudson C, Mc Donald B, Ruel M, Lam BK, Mesana TG, Boodhwani M. Preoperative Anemia is a risk factor for mortality and morbidity following Aortic Valve Surgery. *EJCTS* 2013;44(6):1051-5. **Collaborator (C)**
16. Shehata N, Forster A, Li, L, Rothwell D, Mazer C.D, Naglie G, Fowler R, Tu J, Rubens F, Hawken S, Wilson K. Does anemia impact hospital readmissions after coronary artery bypass surgery. *Transfusion*. 2013, 58(3):1688-97. **Collaborator (C)**
17. Maarros,M., Tuomainen,R., Price,J., Rubens, F.D., Jideus, R.L., Halonen, J., Hartikainen,J., Hakala,T. Preventive strategies for atrial fibrillation after cardiac surgery in nordic countries. *Scandinavian Journal of Surgery* 2013, 102:178-181. **Collaborator (C)**
18. Toeg HD, Nathan H, Rubens FD, Wozny D, Boodhwani M. Clinical Impact of Neurocognitive Deficits Following Cardiac Surgery. *JTCVS* 145(6) 1545-9. Jun 2013. **Collaborator (C)**
19. Elmistekawy E, Rubens FD. Marginal hearts: a second-round draft picks? *Interact Cardiovasc Thorac Surg* 2013;16(2):226. **Senior Responsible Investigator (SRI)**
20. Al-Atassi T, Lam K, Forgie M, Boodhwani M, Rubens F, Hendry P, Masters R, Goldstein W, Bedard P, Mesana T, Ruel M. Cerebral microembolization after bioprosthetic aortic valve replacement: comparison of warfarin plus aspirin versus aspirin alone. *Circulation* 2012;126(11 Suppl I): S239-44. **Collaborator (C)**
21. Rubens FD, Boodhwani M. Metaanalysis on skeletonization of the internal thoracic artery. *Annals of Thoracic Surgery* 2012;94(2):687-688. **Principal Author (PA)**
22. Mastrobuoni S, Gawad N, Price J, Chan V, Ruel M, Mesana TG, Rubens FD. Use of bilateral internal thoracic artery during coronary artery bypass graft surgery in Canada: The BITA Survey. *J Thorac Cardiovasc Surg*, 2012;144(4):874-9. **Senior Responsible Investigator (SRI)**
23. Robblee JA, Wilkes PRH, Dickie SJ, Rubens FD, Bormanis J. Bleeding in a Jehovah's Witness Patient Undergoing a Redo Aortic Valve Replacement Controlled with Cryoprecipitate and a Prothrombin Complex Concentrate. *Can J Anaesth* 2012;59(3):299-303. **Collaborator (C)**
24. McGuire AL, Rubens FD. Patients with cancer and central pulmonary emboli treated surgically. *J.Thorac.Cardiovasc.Surg.* 2012;144(3):735-736. **Senior Responsible Investigator (SRI)**
25. Deb S, Cohen EA, Singh SK, Une D, Laupacis A, Fremes SE, RAPS Investigators. Radial artery and saphenous vein patency more than 5 years after coronary artery bypass surgery: results from RAPS (Radial Artery Patency Study). *JACC* 2012;60(1):28-35. **Collaborator (C)**
26. Chan V, Lam BK, Rubens FD, Hendry P, Masters R, Mesana TG, Ruel M. Long-term evaluation of biological versus mechanical prosthesis use at reoperative aortic valve replacement. *J Thorac Cardiovasc Surg* 2012;144(1):146-51. **Collaborator (C)**
27. Elmistekawy E, Belanger E, Rubens FD. Right internal mammary extensive atherosclerosis: a rare incidental finding. *Indian Journal of Thoracic Cardiovascular Surgery* 2012;28:29-30. **Senior Responsible Investigator (SRI)**

28. Whitlock RP, Sun JC, Fremes SE, Rubens FD, Teoh KH. Antithrombotic and thrombolytic therapy for valvular disease: Antithrombotic therapy and prevention of thrombosis, 9th Ed: American College of Chest Physicians Evidence-Based Clinical Practice Guidelines. Chest 2012, 141 (2) e576s-e600S. **Collaborator (C)**
29. Elmistekawy EM, Gawad N, Bourke M, Mesana T, Boodhwani M, Rubens FD. Is bilateral internal thoracic artery use safe in the elderly? J Card Surg 2012;27(1):1-5. **Senior Responsible Investigator (SRI)**
30. Elmistekawy E, Chan V, Bourke M, Dupuis J, Rubens FD, Mesana TG, Ruel M. Offpump coronary artery bypass grafting is not associated with better postoperative renal function compared to CABG. J Thorac Cardiovasc Surg 2012;143(1):85-92. **Collaborator (C)**
31. Elmistekawy EM, Veinot JP, Dennie CJ, Rubens FD. Recurrent cardiac constriction after complete pericardiectomy. Heart, Lung and Circulation 2011 20(12):76608. **Senior Responsible Investigator (SRI)**
32. Chan V, Malas T, Lapierre H, Boodhwani M, Lam B-K, Rubens FD, Hendry PJ, Masters RG, Goldstein W, Mesana TG, Ruel M. Reoperation of left heart valve bioprostheses according to age at implantation. Circulation 2011, 124:S75-S80. **Collaborator (C)**
33. Elmistekawy E, Rubens FD. Deep hypothermic circulatory arrest: alternative strategies for cerebral perfusion. Perfusion 2011, 26 (S1); 6-15. **Senior Responsible Investigator (SRI)**
34. Chan V, Malas T, Lapierre H, Boodhwani M, Lam BK, Rubens FD, Hendry PJ, Masters RG, Goldstein W, Mesana TG, Ruel M. Long-term evaluation of biological versus mechanical prosthesis use at reoperative aortic valve replacement. Circulation 2011, 124(Suppl 11):S75-80. **Collaborator (C)**
35. Belway D, Tee R, Nathan HJ, Rubens FD, Boodhwani M. Temperature management and monitoring practices during adult cardiac surgery under cardiopulmonary bypass: results of a Canadian national survey. Perfusion 2011, 26(5):395-400. **Senior Responsible Investigator (SRI)**
36. Forster AJ, Worthington JR, Hawken S, Bourke M, Rubens F, Shojania K, van Walraven C. Using prospective clinical surveillance to identify adverse events in hospital. BMJ Qual Saf 2011, 20(9);756-63. **Collaborator (C)**
37. Carless PA, Rubens FD, Anthony DM, O'Connell D, Henry DA. Platelet-rich-plasmapheresis for minimising peri-operative allogeneic blood transfusion. Cochrane Database Syst Rev.2011;16(3):CD004172. **Collaborator (C)**
38. Mehta S, Helmersen D, Provencher S, Hirani N, Rubens FD, De Perrot M, Blostein M, Boutet K, Chandy G, Dennie C, Granton J, Hernandez P, Hirsch AM, Laframboise K, Levy RD, Lien D, Martel S, Shoemaker G, Swiston J, Weinkauf J. Diagnostic evaluation and management of chronic thromboembolic pulmonary hypertension: A clinical practice guideline. Can Respir J 2010; 17(6); 301-334. **Collaborator (C)**
39. Rodriguez RR., Rubens FD, Wozny D, Nathan HJ. Cerebral emboli detected by Transcranial Doppler during Cardiopulmonary Bypass are not correlated with Postoperative Cognitive Deficits. Stroke 2010, 41(10):2229-2235. **Collaborator (C)**
40. Rubens FD. Outcomes after pulmonary thromboendarterectomy. Can J Cardiol 2010 Suppl B: 27B-28B. **Principal Author (PA)**

41. Boodhwani M, Hamilton A, de Varennes B, Mesana T, Williams K, Wells GA, Nathan H, Dupuis JY, Babaev A, Wells P, Rubens FD. A multi-centre randomized controlled trial to assess the feasibility of testing modified ultrafiltration as a blood conservation technology in cardiac surgery. *J Thorac Cardiovasc Surg* 2010;139:701-6. **Principal Author (PA)**
42. Kulik A, Masters RG, Bedard P, Hendry PJ, Lam BK, Rubens FD, Mesana TG, Ruel M. Postoperative lipid-lowering therapy and bioprosthesis structural valve deterioration: justification for a randomized trial? *Eur JCTS* 37 (2010) 139-144. **Collaborator (C)**
43. Chan B, Huynh HP, Moonje V, Price J, Rubens FD. Cardiac tamponade caused by incarcerated small bowel in the pericardium after coronary bypass grafting using the right gastroepiploic artery. *Ann Thorac Surg* 2010;90(2):641-642. **Senior Responsible Investigator (SRI)**
44. Chan V, Lau J, Rubens FD, Dennie C, Ruel M. Malignant invasion of sternotomy incision after cardiac operation. *Ann Thorac Surg* 2010;89(4):1295-1296. **Collaborator (C)**
45. Kulik A, Masters RG, Bedard P, Hendry PJ, Lam BK, Rubens FD, Mesana TG, Ruel M. Postoperative lipid-lowering therapy and bioprosthesis structural valve deterioration: justification for a randomized trial? *Eur J Cardiothorac Surg* 2009. **Collaborator (C)**
46. Kulik, A., Lam, B.-K., Rubens, F.D., Hendry, P.J., Masters, R.G., Goldstein, W., B  dard, P., Mesana, T.G., Ruel, M. Gender differences in the long-term outcomes after valve replacement surgery. *Heart* 2009, 95(4):318-326. **Collaborator (C)**
47. Rubens FD, Boodhwani M. Skeletonization of the internal thoracic artery for CABG. *Current Opinion in Cardiology* 2009, 24(6):559-66. **Senior Responsible Investigator (SRI)**
48. Price J, Tee R, Lam B-K, Hendry P, Green MS, Rubens FD. Current use of prophylactic strategies for postoperative atrial fibrillation: a survey of Canadian cardiac surgeons. *Annals of Thoracic Surgery* 2009, 88:106-110. **Senior Responsible Investigator (SRI)**
49. Rodriguez RA, Nathan HJ, Ruel M, Rubens F, Dafoe D, Mesana T. A method to distinguish between gaseous and solid cerebral emboli in patients with prosthetic heart valves. *EJCTS* 2009; 35(1):88-95. **Collaborator (C)**
50. Boodhwani M, Rubens FD, Wozny D, Nathan HJ. Effects of mild hypothermia and rewarming on renal function after coronary artery bypass grafting. *Ann Thorac Surg* 2009;87(2): 489-495. **Collaborator (C)**
51. Karkouti K, Wijesundera DN, Yau TM, Callum JL, Cheng D, Crowther M, Dupuis J-Y, Fremes S, Kent B, Laflamme C, Lamy A, Legare J-F, Mazer CD, McCluskey SA, Rubens F, Sawchuk C, Beattie WS. Acute kidney injury after cardiac surgery: Focus on modifiable risk factors. *Circulation* 2009;119(4):495-502. **Collaborator (C)**
52. Boodhwani M, Nathan HJ, Mesana TG, Rubens FD on behalf of the Cardiomy Investigators. Effects of shed mediastinal blood on cardiovascular and pulmonary function: A randomized, double-blind study. *Ann Thorac Surg* 2008, 86(4):1167-73. **Senior Responsible Investigator (SRI)**
53. Rubens FD, Wells GA, Nathan HJ. Letter by Rubens et al regarding article, "Continuous-flow cell saver reduces cognitive decline in elderly patients after coronary bypass surgery". *Circulation* 2008;117(21):e348. **Senior Responsible Investigator (SRI)**

54. Kulik A, Rubens FD, Ruel M. Reply to the editor: Radial artery graft treatment with phenoxybenzamine is clinically safe and may reduce perioperative myocardial injury. *Ann Thorac Surg* 2008;86:351-2. **Collaborator (C)**
55. Whitlock RP, Chan S, Devereaux PJ, Sun J, Rubens FD, Thorland K, Teoh KH. Clinical benefit of steroid use in patients undergoing cardiopulmonary bypass: a meta-analysis of randomized trials. *Eur Heart J* 2008;29(21):2592-600. **Collaborator (C)**
56. Karkouti K, Beattie WS, Arellano R, Aye T, Bussieres JS, Callum JL, Cheng D, Heinrich L, Kent B, Lee TWR, MacAdams C, Mazer CD, Muirhead B, Rochon AG, Rubens FD, Sawchuk C, Wang S, Waters T, Wong BI, Yau TM. A comprehensive Canadian review of the off-label use of recombinant activated Factor VII in cardiac surgery. *Circulation* 2008;118:. **Collaborator (C)**
57. Guru V, Tu JV, Etchells E, Anderson GM, Naylor CD, Novick RJ, Feindel CM, Rubens FD, Teoh K, Mathur A, Hamilton A, Bonneau D, Cutrara C, Austin PC, Fremes SE. Relationship between preventability of death after coronary artery bypass graft surgery and all-cause risk-adjusted mortality rates. *Circulation* 2008;117(23): 2969-76. **Collaborator (C)**
58. Rubens FD, Mujoomdar A, Tien HC-N. Cell Salvage in Trauma. *TraumaCare* 2008;118(1)35-41. **Principal Author (PA)**
59. Ruel M, Beanlands RS, Lortie M, Chan V, Camack N, deKemp RA, Suuronen EJ, Rubens FD, DaSilva JN, Sellke FW, Stewart DJ, Mesana TG. Concomitant treatment with oral L-arginine improves the efficacy of surgical angiogenesis in patients with severe diffuse coronary artery disease: the Endothelial Modulation in Angiogenic Therapy randomized controlled trial. *J Thorac Cardiovasc Surg* 2008;135 (4):762-70. **Collaborator (C)**
60. Kulik A, Al-Saigh M, Chan V, Masters RG, Bedard P, Lam B-K, Rubens FD, Hendry PJ, Mesana TG, Ruel M. Enlargement of the small aortic root during aortic valve replacement: is there a benefit? *Ann Thorac Surg* 2008;85:94-101. **Collaborator (C)**
61. Rubens FD, Boodhwani M, Nathan HJ. Interpreting studies of cognitive function following cardiac surgery: a guide for surgical teams. *Perfusion* 2007;22(3):185-192. **Principal Author (PA)**
62. Karkouti K, Wijeyesundera D, Beattie WS, Yau TM, Callum C, Cheng D, Dupuis J-Y, Fremes S, Kent B, Laflamme C, Lamy A, Legare J-F, Mazer D, McCluskey SA, Rubens F, Sawchuk C. Variability and Predictability of Large-Volume Red Blood Cell Transfusion in Cardiac Surgery: A Multi-Center Study. *Transfusion* 2007;47(11):2081-2088. **Collaborator (C)**
63. Boodhwani,M., Rubens, F.D. Preserved sternal perfusion following ITA skeletonization: Implications for bilateral ITA grafting. *ATS* 2007;84:1796-7. **Co-Principal Author (CPA)**
64. Ruel M, Chan V, Bedard P, Kulik A, Ressler L, Lam BK, Rubens FD, Goldstein W, Hendry PJ, Masters RG, Mesana TG. Very long-term survival implications of heart valve replacement with tissue versus mechanical prostheses in adults <60 years of age. *Circulation* 2007, 116 (11 Suppl):I294-300. **Collaborator (C)**
65. Rubens FD, Boodhwani M, Wozny D, Wells GA, Nathan HJ. The Cardiotomy Study: A Randomized, Double-Blind Trial to Assess the Effect of Processing of Shed Blood During Cardiopulmonary Bypass on Post-operative Blood Product Use and Neurocognitive Function. *Circulation* 2007, 116(11 Suppl):I89-97. **Principal Author (PA)**

66. Boodhwani M, Rubens FD, Wozny D, Rodriguez R, Nathan HJ. Effects of sustained mild hypothermia on neurocognitive function following coronary artery bypass surgery: a randomized, double-blind study. *JTCVS* 2007;134:1443-52. **Collaborator (C)**
67. Ibrahim M, Hendry P, Masters R, Rubens F, Lam B-K, Ruel M, Davies R, Haddad H, Mesana T. Management of acute severe peri-operative failure of cardiac allograft: a single centre experience with a review of the literature. *Can J Cardiol* 2007;23(5):363-7. **Collaborator (C)**
68. Nathan HJ, Rodriguez R, Wozny D, Dupuis J-Y, Rubens FD, Bryson GL, Wells G. Neuroprotective effect of mild hypothermia in patients undergoing coronary artery surgery with cardiopulmonary bypass: five year follow-up of a randomized trial. *JTCVS* 2007;133(5):1206-11. **Collaborator (C)**
69. Lam BK, Chan V, Hendry P, Ruel M, Masters R, Bedard P, Goldstein B, Rubens F, Mesana T. The impact of patient-prosthesis mismatch on late outcomes after mitral valve replacement. *JTCVS* 2007;113(6):1464-73. **Collaborator (C)**
70. Price, J, Rubens FD, Bell M. Elastic device facilitating delayed primary closure of sternal wound infection. *Ann Thorac Surg* 2007;83:1162-5. **Collaborator (C)**
71. Rubens FD, Nathan HJ. Lessons learned on the path to a healthier brain: dispelling the myths and challenging the hypotheses. *Perfusion* 2007;22(3):153-160. **Principal Author (PA)**
72. Rubens FD, Bourke M, Hynes M, Nicholson D, Kotrec M, Boodhwani M, Ruel M, Dennie C, Mesana T. Surgery for Chronic Thromboembolic Pulmonary Hypertension – Inclusive Experience from a National Referral Center. *Ann Thorac Surg* 2007;83:1075-81. **Principal Author (PA)**
73. Desai ND, Naylor CD, Cohen EA et al on behalf of the Radial Artery Patency Study Investigators. Impact of patient and target vessel characteristics on arterial and venous bypass graft patency: insight from a randomized trial. *Circulation* 2007; 115(6):684-91. **Collaborator (C)**
74. Kulik, A, Rubens FD, Ruel M. Intraoperative indocyanine green angiography: ready for prime time? *JTCVS* 2007;133(2):592-3. **Collaborator (C)**
75. Kulik A, Rubens FD, Gunning D, Bourke ME, Mesana TG, Ruel M. Radial artery graft treatment with phenoxylbenzamine is clinically safe and may reduce perioperative myocardial injury. *Ann Thorac Surg.* 2007;83(2):502-9. **Collaborator (C)**
76. Boodhwani M, Williams K, Babaev A, Gill G, Saleem N, Rubens FD. Ultrafiltration reduces blood transfusions following cardiac surgery: a meta-analysis. *EJCTS*.2006;30(6):892-7. **Senior Responsible Investigator (SRI)**
77. Rodriguez RA, Watson M, Nathan HJ, Mesana T, Rubens FD Do Bio-compatible Circuits Effectively Reduce the Rate of Cerebral Microemboli during Cardiopulmonary Bypass? *JECT*. 2006;38:216-219. **Senior Responsible Investigator (SRI)**
78. Kulik A, Rubens FD, Mesana TG, Lam BK. Early postoperative anticoagulation: more questions than answers? *Ann Thorac Surg* (letter to editor). *Ann Thor Surg* 2006;82(4):1573-1574. **Collaborator (C)**
79. Kulik A, Bedard P, Lam BK, Rubens FD, Hendry PJ, Masters RG, Mesana TG, Ruel M. Mechanical versus bioprosthetic valve replacement in middle-aged patients. *EJCTS*. 2006;30:485-491. **Collaborator (C)**

80. Belway D, Rubens FD, Henley B, Babaev A, Mesana T. Delayed thrombin generation is not associated with fibrinopeptide formation during prolonged cardiopulmonary bypass with hirudin anticoagulation. *Perfusion* 2006;21:1-4. **Senior Responsible Investigator (SRI)**
81. Mesana TG, Kulik A, Ruel M, Hendry P, Masters R, Rubens FD, Bedard P, Lam BK. Combined atrial fibrillation ablation with mitral valve surgery. *J Heart Valve Dis.* 2006;15; 515-20. **Collaborator (C)**
82. Boodhwani M, Rubens FD, Wozny D, Rodriguez R, Alsefaou A, Hendry PJ, Nathan HJ. Predictors of early neurocognitive deficits in low-risk patients undergoing on-pump coronary artery bypass surgery. *Circulation* 2006;114:461-466. **Collaborator (C)**
83. Kulik A, Rubens FD, Baird D, Mesana TG, Lam BK. Early postoperative anticoagulation following mechanical valve replacement. A Canadian survey. *J Heart Valve Disease.*2006; 15(4):581-7. **Collaborator (C)**
84. Boodhwani M, Lam BK, Mesana TG, Ruel M, Zeng W, Sellke FW, Rubens FD. Skeletonized Internal Thoracic Artery Harvest Reduces Pain And Dysesthesia And Improves Sternal Perfusion Following Coronary Artery Bypass Surgery: A Randomized, Double-Blinded, Within-Patient Comparison. *Circulation.* 2006;114:766-773. **Senior Responsible Investigator (SRI)**
85. Belway D, Rubens FD. Currently available pump biomaterials. *Expert Review of Medical Devices.* 2006;3:345-356. **Senior Responsible Investigator (SRI)**
86. Rodriguez RA, Rubens F, Belway D, Nathan HJ. Residual air in the venous cannula increases cerebral embolization at the onset of cardiopulmonary bypass. *EJCTS.* 2006;29(2):175-80. **Senior Responsible Investigator (SRI)**
87. Rodriguez RA, Rubens F, Rodriguez CD, Nathan HJ. Sources of variability in the detection of cerebral emboli with transcranial Doppler during cardiac surgery. *J Neuroimaging* 2006;16:1-7. **Senior Responsible Investigator (SRI)**
88. Boodhwani M, Rubens FD, Sellke FW, Ruel M. Mortality and myocardial infarction with surgical versus percutaneous therapy for isolated left anterior descending artery disease: a meta-analysis. *EJCTS.*2006, 29(1):65-70. **Collaborator (C)**
89. Kulik A, Al-Saigh M, Yelle J-D, Rubens FD. Subacute tricuspid valve rupture after traumatic cardiac and pulmonary contusion: a case report. *Ann Thorac Surg.*2006, 81(3):1111-1112. **Senior Responsible Investigator (SRI)**
90. Miwa S, Desai N, Koyama T et al on behalf of the Radial Artery Patency Study Investigators. Radial artery angiographic string sign: clinical consequences and the role of pharmacologic therapy. *Annals Thoracic Surgery* 2006, 81(6):112-8. **Collaborator (C)**
91. Kulik A, Rubens FD, Wells PS, Kearon C, Mesana TG, van Berkomp J, Lam B-K. Early postoperative anticoagulation after mechanical valve replacement: a systematic review. *Ann Thorac Surg* 2006;81:770-81. **Collaborator (C)**
92. Rubens FD. Cell salvage in cardiothoracic surgery. *Transfusion alternatives in transfusion medicine,* 7 (2). Jan 2006. **Principal Author (PA)**
93. Rodriguez, RA, Rubens F, Belway D, Nathan HJ. Residual air in the venous cannula increases cerebral embolization at the onset of cardiopulmonary bypass. *EJCTS* 29 (2006) 175-180. **Senior Responsible Investigator (SRI)**

94. Boodhwani M, Nathan HJ, Lam BK, Rubens FD. The internal thoracic artery skeletonization study: a paired, within-patient comparison. *Trials* 2006, 7:1, 1-8. **Senior Responsible Investigator (SRI)**
95. Guru V, Anderson GM, Fremes SE, O'Connor GT, Grover FL, Tu JV and the Canadian CABG Surgery Quality Indicator Consensus Panel. The identification and development of Canadian coronary artery bypass graft surgery quality indicators. *JTCVS* 2005; 130:1257-64. **Collaborator (C)**
96. Guru V, Anderson GM, Fremes SE et al for the Canadian CABG Surgery Quality Indicator Consensus Panel. The identification and development of Canadian coronary artery bypass graft (CABG) surgery quality indicators. *J Thorac Cardiovasc Surg* 2005;130:1257-64. **Collaborator (C)**
97. Rubens FD. Non-pharmacological strategies for blood conservation in cardiac surgery. *Acta Med Croat* 2005, 59 (Suppl I):13-20. **Principal Author (PA)**
98. Ruel M, Suuronen EJ, Song J, Kapila V, Gunning D, Waghray G, Rubens FD, Mesana TG. Effects of off-pump versus on-pump coronary artery bypass grafting on function and viability of circulating endothelial progenitor cells. *JTCVS* 2005, 130(3):633-9. **Collaborator (C)**
99. Boodhwani M, Ruel M, Mesana TG, Rubens FD. Minimally invasive direct coronary artery bypass for the treatment of isolated disease of the left anterior descending coronary artery. *Canadian Journal of Surgery* 2005, 48(4):307-10. **Senior Responsible Investigator (SRI)**
100. Rubens FD. An update on perioperative blood salvage in cardiac surgery. *Transfusion Alternatives in Transfusion Medicine* 2005;7(1):20-28. **Principal Author (PA)**
101. Belway D, Rubens FD, Wozny D, Henley B, Nathan HJ. Are we doing everything we can to conserve blood during bypass? A national survey. *Perfusion* 2005, 20:237-241. **Senior Responsible Investigator (SRI)**
102. Laupacis A, O'Connor A, Drake E, Rubens F, Robblee J, Grant C, Wells P. A decision aid for autologous pre-donation in cardiac surgery – a randomized trial. *Patient Educ Couns* 2005. **Collaborator (C)**
103. Rubens FD, Lavallee G, Ruel M, Mesana T, Bourke M. Delayed thrombin activity with hirudin anticoagulation during prolonged cardiopulmonary bypass. *Ann Thorac Surg* 2005;79(1):334-6. **Principal Author (PA)**
104. Rubens FD, Nathan H, Labow R, Williams K, Wozny D, Karsh J, Ruel M, Mesana T. Effects of methylprednisolone and a biocompatible copolymer circuit on blood activation during cardiopulmonary bypass. *Ann Thor Surg* 2005;79(2):655-65. **Principal Author (PA)**
105. Rodriguez RA, Williams KA, Babaev A, Rubens F, Nathan HJ. Effect of perfusionist technique on cerebral embolization during cardiopulmonary bypass. *Perfusion* 2005; 00:1-8. **Senior Responsible Investigator (SRI)**
106. Whitlock RP, Rubens FD, Young E, Teoh KH. Pro: Steroids should be used for cardiopulmonary bypass. *J Cardiothorac Vasc Anesth* 2005;19(2):250-4. **Collaborator (C)**
107. Ruel M, Kulik A, Lam BK, Rubens FD, Hendry PJ, Masters RG, Bedard P, Mesana TG. Long-term outcomes of valve replacement with modern prostheses in young adults. *Eur J Cardiothorac Surg* 2005 27(3):425-33. **Collaborator (C)**

- 108.Desai ND, Cohen EA, Naylor CD and Fremes SE for the Radial Artery Patency Study Investigators. A randomized comparison of radial-artery and saphenous-vein coronary bypass grafts. *N Engl J Med* 2004; 351;22:2302-2309. **Collaborator (C)**
- 109.Ruel M, Masters RG, Rubens FD, Pipe AL, Mesana TG. Determinants of persistent or recurrent heart failure in patients with aortic prosthetic valves. *J Thorac Cardiovasc Surg* 2004;127:149-159. **Collaborator (C)**
- 110.Ruel M, Kulik A, Rubens FD, Bedard P, Masters RG, Pipe AL, Mesana TG. Late incidence and determinants of reoperation in patients with prosthetic heart valves. *Eur J Cardiothor Surg* 2004;25:364-370. **Collaborator (C)**
- 111.Ruel M, Masters RG, Rubens FD, Pipe AL, Mesana TG. Late incidence and predictors of persistent or recurrent heart failure in patients with mitral prosthetic valves. *J Thorac Cardiovasc Surg* 2004;128:278-283. **Collaborator (C)**
- 112.Oikonomou A, Dennie CJ, Muller NL, Seely JE, Matzinger FR, Rubens FD. Chronic thromboembolic pulmonary hypertension – correlation of post-operative results of thromboendarterectomy with pre-operative helical contrast-enhanced computed tomography. *J Thorac Imaging* 2004;19:67-73. **Collaborator (C)**
- 113.Nathan HJ, Parlea L, Dupuis J-Y, Hendry P, Williams KA, Rubens FD, Wells GA. Safety of perioperative hypothermia for patients undergoing coronary artery surgery: a randomized trial. *J Thorac Cardiovasc Surg* 2004;127:1270-1275. **Collaborator (C)**
- 114.Rubens FD, Mesana T. The inflammatory response to cardiopulmonary bypass: A therapeutic overview. *Perfusion* 2004;19:S5-S12. **Principal Author (PA)**
- 115.Ruel M, Masters RG, Rubens FD, Pipe AL, Mesana TG. Late incidence and predictors of stroke after aortic and mitral valve replacement. *Ann Thorac Surg* 2004;78:77-83. **Collaborator (C)**
- 116.Carless PA, Rubens FD, Anthony DM, Henry DA, Platelet-rich plasmapheresis for minimizing perioperative allogeneic blood transfusion. *Cochrane Database Syst Rev.* 2003;(2):CD004172. **Collaborator (C)**
- 117.Rubens FD, Boodhwani M, Lavalee G, Mesana T. Perioperative red blood cell salvage. *Can. J. Anaesth.* 2003;50(6 suppl):S31-S40. **Principal Author (PA)**
- 118.Charbonneau E, Hendry PJ, Rubens FD, Collart F, Gariboldi V, Mesana TG. A strategy of hypothermic circulatory arrest for difficult heart transplant postventricular assist device. *Ann Thorac Surg* 2003;76:611-614. **Collaborator (C)**
- 119.Rubens F.D. The influence of PMEA-coated bypass circuits on perioperative inflammatory response (commentary). *Ann Thorac Surg* 2003; 75:917-918. **Principal Author (PA)**
- 120.Dennie CJ, Bourke M, Veinot JP, McCormack DG, Hynes M, Rubens FD. Intimal sarcoma of the pulmonary arteries seen as a mosaic pattern of lung attenuation on high-resolution CT. *Am.J.Roentgenol.* 2002;178(5):1208-1210. **Senior Responsible Investigator (SRI)**
- 121.Rubens FD, Ruel M, Fremes S. A new and simplified method for coronary and graft imaging during CABG. *Heart Surg. Forum* 2002;5(2):141-144. **Principal Author (PA)**
- 122.Rubens FD. Cardiopulmonary Bypass Technology Transfer: Musings of a Cardiac Surgeon. *J Biomater Sci Polym Ed.* 2002;13(4):485-99. **Principal Author (PA)**

123. Rubens FD, Nathan H. Cardiopulmonary bypass copolymer surface modification reduces neither blood loss nor transfusions in coronary artery surgery. *Thorac Cardiovasc Surg* (letter) 2002;50: 384. **Principal Author (PA)**
124. Rubens FD, Mesana T. Surface modified cardiopulmonary bypass circuits: modifying the inflammatory response. *Seminars in Cardiothoracic Anaesthesia* 2002;6(3): 301-306. **Principal Author (PA)**
125. Grant FC, Laupacis A, O'Connor AM, Rubens FD, Robblee J. Evaluation of a decision aid for patients considering autologous blood donation before open-heart surgery. *CMAJ* 2001;164:1139-1144. **Collaborator (C)**
126. Ruel M, Wang F, Bourke M, Dupuis J-Y, Robblee J, Keon WJ, Rubens FD. Is tranexamic acid safe in patients undergoing coronary endarterectomy? *Ann Thorac Surg* 2001;71:1508-1511. **Senior Responsible Investigator (SRI)**
127. Ruel MA, Rubens FD. Non-pharmacological strategies for blood conservation in cardiac surgery. *Can J Anaesth* 2001;48 (suppl):S13-S23. **Senior Responsible Investigator (SRI)**
128. Isotalo PA, Chan KL, Rubens F, Beanlands DS, Auclair F, Veinot JP. Prosthetic valve fungal endocarditis due to histoplasmosis. *Can J Cardiol* 2001;17:297-303. **Collaborator (C)**
129. The Radial Artery Patency Study Investigators. Multicenter radial artery patency study (RAPS: study design). *Controlled Clinical Trials* 2000, 21:397-413. **Collaborator (C)**
130. Rubens FD, Dupuis J-Y, Robblee J, Rock G, Bryson GL, Wells PS. Feasibility of blinding in a randomized controlled trial comparing preoperative autologous donation and acute normovolemic hemodilution in adult cardiac surgery. *Transfusion* 2000;40:1-5. **Principal Author (PA)**
131. Rubens FD, Wells P, Bencze S, Bourke M. Surgical treatment of chronic thromboembolic pulmonary hypertension. *Can Respir J* 2000;7:49-60. **Principal Author (PA)**
132. Rubens FD, Sabloff M, Wells PS, Bourke M. The use of recombinant-hirudin in pulmonary thromboendarterectomy. *Ann Thorac Surg* 2000; 69, 1942-1943. **Principal Author (PA)**
133. Rubens FD, Ruel M, Lavalee G, Watson M, Robblee J, Wozny D, Nathan H. Circuits with surface modifying additive alter the hemodynamic response to cardiopulmonary bypass. *Eur J Cardiothor Surg*, 1999;15: 353-358. **Principal Author (PA)**
134. Rubens FD, O'Brien E, Shamji F, Odell PF. Sternothoracotomy for combined coronary artery bypass grafting and left upper lobectomy in a patient with low lying tracheostoma. *Can J Surg*. 1999, 42:143-144. **Principal Author (PA)**
135. Rubens FD, Labow RS, Lavalee G, Watson M, Waghay G, Macdonald A, Robblee J, Voorhees M, Nathan H. Hematologic evaluation of extra-corporeal circuits prepared with a novel block co-polymer for cardiopulmonary bypass. *Ann Thorac Surg*, 1999;67:689-98. **Principal Author (PA)**
136. Huët C, Salmi R, Fergusson D, Koopman-van Gemert AWMM, Rubens F, Laupacis A. A meta-analysis of the effectiveness of cell salvage to minimize peri-operative allogeneic blood transfusion in cardiac and orthopedic surgery. *Anesth & Anal* 1999;89:861-9. **Collaborator (C)**
137. Veinot JP, Lorimer JW, Walley VM, Turek M, Saginur R, Rubens F. Aortitis with multiple aneurysms mimicking infective endocarditis. *Can J Cardiol* 1999;15:105-109. **Collaborator (C)**

138. Rubens FD, Labow RS, Meek E, Bedard E, Gill IS, Dudani AK, Ganz PR. Papaverine solutions cause loss of viability of endothelial cells. *J Cardiovasc Surg* 39, 193-199 (1998). **Principal Author (PA)**
139. Rubens FD, Labow RS, Waghay G, Robblee J. The importance of sampling site in the measurement of whole blood platelet flow cytometry. *J. Cardiothor. Vasc. Anaesth* 12, 309-313 (1998). **Principal Author (PA)**
140. Forgie M, Wells PS, Laupacis A, Fergusson D, for the International Study of Peri-Operative Transfusion (ISPOT) Investigators. Pre-operative autologous donation decreases allogeneic transfusion but increases exposure to all blood products - results of a meta analysis. *Archives of Internal Medicine*, 1998;158:610-616. **Collaborator (C)**
141. Bryson GL, Laupacis A, Wells GA, for the International Study of Peri-Operative Transfusion (ISPOT) Investigators. Does acute normovolemic hemodilution reduce perioperative allogeneic transfusion? A meta analysis. *Anaesthesiology & Analgesia*, 1998;86:9-15. **Collaborator (C)**
142. Laupacis A, Fergusson D, for the International Study of Peri-Operative Transfusion (ISPOT) Investigators. Erythropoietin to minimize peri-operative blood transfusion. Four meta-analyses of randomized trials. *Transfusion Medicine*, 1998;8:309-317. **Collaborator (C)**
143. Rubens FD, Ferguson D, Wells P, Huang M, McGowan J, Laupacis A. Platelet-rich plasmapheresis in Cardiac Surgery: A Meta-Analysis of the Effect on Transfusion Requirements. *J. Thorac. Cardiovasc. Surg.* 1998;116:641-7. **Principal Author (PA)**
144. Skarja GA, Kinlough-Rathbone RL, Perry DW, Rubens FD, Brash JL. Cone and plate device for the investigation of platelet biomaterial interactions. *J. Biomed. Mater. Res.* 1997, 34(4):427-438 (1997 March 15). **Collaborator (C)**
145. Laupacis A, Fergusson D, for the International Study of Peri-Operative Transfusion (ISPOT) Investigators. Drugs to minimize peri-operative blood loss in cardiac surgery - Meta analyses using peri-operative blood transfusion as the outcome. *Anaesthesiology & Analgesia*, 1997; 85:1258-67. **Collaborator (C)**
146. Rubens FD, Labow RS, Meek E, Dudani AK, Ganz PR. Tissue factor expression by cells used for sowing of prosthetic vascular grafts. *J Surg Res* 72, 22-28 (1997). **Principal Author (PA)**
147. Rubens FD, Wells P. Tranexamic acid usage during coronary artery bypass surgery. *Ann Thorac Surg* 1996, 61:774-775. **Principal Author (PA)**
148. Rubens FD, Perry DW, Hatton MWC, Bishop PD, Packham MA, Kinlough-Rathbone RL. Platelet accumulation on fibrin-coated polyethylene: Role of platelet activation and Factor XIII. *Thromb Haemost* 1995, 73:850-856. **Principal Author (PA)**
149. Rubens FD, Ross-Ouellet B, Dennie CJ, Coates G, Kinlough-Rathbone RL, Hatton MWC. Displacement of fibrin-bound thrombin by r-hirudin precludes the use of 311-r-hirudin for detecting pulmonary emboli in the rabbit. *Thromb Haemost* 1994, 72:232-238. **Principal Author (PA)**
150. Rubens FD, Weitz JI, Brash JL, Kinlough-Rathbone RL. The effect of antithrombin III-independent thrombin inhibitors and heparin on fibrin accretion onto fibrin-coated polyethylene. *Thromb Haemostas* 1993, 69:130-134. **Principal Author (PA)**
151. Rubens FD, Wellington JL. Brachiocephalic fistula: a useful alternative for vascular access in chronic hemodialysis. *Cardiovasc Surg*, 1993, 1:128-130. **Principal Author (PA)**

152. Rubens FD, Brash JL, Weitz JJ, Kinlough-Rathbone RL. Interactions of thermally-denatured fibrinogen on polyethylene with plasma proteins and platelets. *J Biomed Mater Res*, 1992, 26:1651-1663. **Principal Author (PA)**
153. Rubens F, Keon WJ, Davies RA, Walley VM. Coronary artery compression at orthotopic cardiac transplant. (letter). *J Thorac Cardiovasc Surg*. 1991, 102:459-460. **Principal Author (PA)**
154. Walley VM, Rubens FD, Campagna M, Pipe AL, Keon WJ. Patterns of failure in Hancock pericardial bioprostheses. *J Thorac Cardiovasc Surg*, 1991, 102:187-194. **Collaborator (C)**
155. Rubens FD, Bedard P, Walley VM. Right coronary artery injury during tricuspid valve annuloplasty. *J Cardiovasc Surg*, 1990, 31:533-535. **Principal Author (PA)**
156. Rubens FD, Wellington J, Bouchard A. Popliteal artery injury following tibial osteotomy. Report of two cases. *Can J Surg* 1990, 33:294-297. **Principal Author (PA)**
157. Rubens FD, Goldstein WG, Dennie C, Hickey N, Keon WJ. Hoarseness Secondary to Left Atrial Myxoma. *Chest* May 1989. **Principal Author (PA)**
158. Rubens FD, Goldstein WG. Recognizing atrial myxomas. *Diagnosis* 5:81;1988. **Principal Author (PA)**
159. Rubens FD, Feindel C. Can we discuss bilateral internal thoracic artery grafts without embracing skeletonization? *JTCVS* 2015. 1940. In Press. **Co-Principal Author (CPA)**

Book Chapters and Review Articles

1. Rubens FD. Cardiopulmonary bypass - technique and pathophysiology. Sabiston & Spencer: Surgery of the Chest, Eighth Edition, Chapter 59. Editors F.W. Sellke, P.J. del Nido, S.J. Swanson. Elsevier Science, Philadelphia, PA. 2011. **Principal Author (PA)**
2. Tao H, Rubens FD. Minimally-invasive cardiac surgery: impact on blood loss and transfusion. In "Alternatives to Blood Transfusion in Transfusion Medicine", Hardy JF, Maniatis A, Van der Linden P eds., Blackwell Publishing, Oxford, England. Section 2, Chapter 32: 391-407. 2011. **Co-Principal Author (CPA)**
3. Rubens FD, Boodhwani M. Skeletonization of the Internal Thoracic Artery for CABG. *Current Opinions in Cardiology*: 24(6) 559-66. Jun 2011. **Principal Author (PA)**
4. Ressler L, Rubens FD. Adjunctive Strategies to Impact Blood Transfusion in Cardiac Surgery. In "Alternatives to Blood Transfusion in Transfusion Medicine", Hardy JF, Maniatis A, Van der Linden P eds., Blackwell Publishing, Oxford, England. Chapter 33; 408-420. Jan 2011. **Co-Principal Author (CPA)**
5. Ressler L, Rubens FD. Cardiopulmonary Bypass Techniques. In "Atlas of Cardiac Surgical Techniques", Sellke F, Ruel M eds., Elsevier, New York. Jan 2010. **Senior Responsible Investigator (SRI)**
6. Rubens FD. Cardiopulmonary bypass - technique and pathophysiology. Sabiston & Spencer: Surgery of the Chest, Seventh Edition, Chapter 59. Editors F.W. Sellke, P.J. del Nido, S.J. Swanson. Elsevier Science, Philadelphia, PA. 2005. **Principal Author (PA)**

7. Rubens FD. Cardiopulmonary bypass technology transfer: musings of a cardiac surgeon. Cells, Proteins and Materials - Festschrift in honor of the 65th birthday of Dr. John Brash. Editors H. Sheardon, S.L. Cooper. VSP International Science Publishers, 2004, Zeist, The Netherlands. **Principal Author (PA)**
8. Rubens FD, Mesana TG. Membrane Oxygenators for Cardiac Surgery. L'homme repare: success et limites de l'implantologie. Editor R. Guindon. John Libbey Eurotext, Montrouge, France. 2002. **Principal Author (PA)**
9. Rubens FD. Self-assessment colour review of cardiothoracic critical care. Editors R.C. Karmy-Jones, H.M. Horst. Manson Publishing Ltd., London, England. 1998. **Principal Author (PA)**

Invited Editorials

1. Rubens FD. Round and round we go. Perfusion 2015 30(7) 519. **Principal Author (PA)**
2. Rubens, F.D. Meta-analysis of the message: the price of small trials diverting our attention from the real target. J Thorac Cardiovasc Surg 2015. **Principal Author (PA)**
3. Chan V, Rubens FD. ECMO and the elephant in the corner. Perfusion, 24(4):223-224. Jul 2009. **Senior Responsible Investigator (SRI)**
4. Rubens FD. Complacency is the enemy of innovation. Perfusion 2012;27(5):358-359. 1940. **Principal Author (PA)**

Published Abstracts

1. Shehata N, Rothwell D, Li, L, Forster A, Wilson K, Mazer C.D, Naglie G, Fowler R, Tu J, Henry D, Hebert PC, Rubens F. Anemia: Does it Impact Hospital Readmissions Following Coronary Artery Bypass Surgery. Transfusion. 2011;51 Suppl 183A. **Collaborator (C)**
2. Ruel M, Grenon J, Boodhwani M, Mielniczuk L, Rubens FD, Haddad H, Lam BK, Davies R, Veinot JP, Lapierre H, Ressler L, Pipe A, Struthers C, Pugliese C, Mesana TG, Hendry PJ, Masters RG. Results of 461 orthotopic heart transplantations at the University of Ottawa Heart Institute: Follow-up data to 25 years. Can J Cardiol 2011;27(5):Abs 422. **Collaborator (C)**
3. Mastrobuoni S, Gawad N, Chan V, Ruel M, Mesana TG, Rubens FD. Use of bilateral internal thoracic artery during coronary artery bypass graft surgery in Canada: The BITA Survey. Can J Cardiol 2011;27(5):Abs 114. **Senior Responsible Investigator (SRI)**
4. Elmistekawy E, Chan V, Bourke M, Dupuis J, Rubens FD, Mesana TG, Ruel M. OPCAB is not associated with better postoperative renal function compared to CABG. Can J Cardiol 2011;27(5) Abs 102. **Collaborator (C)**
5. Whitlock R, Chan S, Devereaux P, Sun J, Rubens FD, Thorlund K, Teoh KH. Clinical benefit of steroid use in patients undergoing cardiopulmonary bypass: A meta-analysis of randomized trials. Can J Cardiol 2008;24(E):114E. **Collaborator (C)**
6. Rodriguez RA, Nathan HJ, Ruel M, Rubens FD, Dafoe D. Distinguishing air from solid cerebral emboli with ultrasound: a study in patients with prosthetic heart valves. Can J Cardiol 2008;24(E):307E. **Collaborator (C)**

7. Kulik A, Masters RG, Bedard P, Hendry P, Lam B, Rubens FD, Ressler L, Lapierre H, Mesana TG, Ruel M. Does early postoperative lipid-lowering therapy slow the development of bioprosthesis structural valve deterioration? *Can J Cardiol* 2008;24(E):308E. **Collaborator (C)**
8. Grisoli D, Boodhwani M, Bourke M, Ruel M, Mesana TG, Rubens FD. Bilateral skeletonized internal thoracic artery grafting in elderly is a safe alternative to single internal thoracic artery. *Can J Cardiol* 2008;24(E):311E. **Senior Responsible Investigator (SRI)**
9. Price J, Tee R, Lam B, Hendry P, Green M, Rubens FD. Current use of prophylactic strategies for postoperative atrial fibrillation - A survey of Canadian cardiac surgeons. *Can J Cardiol* 2008;24(E):342E. **Senior Responsible Investigator (SRI)**
10. Boodhwani M, Wozny D, Wells G, Nathan HJ, Mesana TG, Rubens FD. The Cardiotomy Study: A randomized, double-blind trial to assess the effect of shed blood processing on transfusion and neurocognitive function. *Can J Cardiol* 2007;23 [Suppl C] Abs 547. **Senior Responsible Investigator (SRI)**
11. Boodhwani M, Tao H, Ruel M, Bourke M, Mesana TG, Rubens FD. Is bilateral internal thoracic artery use safe in the elderly? *Can J Cardiol* 2007;23 [Suppl C] Abs 766. **Senior Responsible Investigator (SRI)**
12. Chan V, Lam B, Mesana G, Ruel M, Rubens FD, Hendry PJ. Fate of pulmonary hypertension following mitral valve replacement and the impact of mitral valve patient-prosthesis mismatch. *Can J Cardiol* 2007;23 [Suppl C] Abs 878. **Collaborator (C)**
13. Chan V, Lortie M, Beanlands RS, deKemp RA, Rubens FD, Suuronen EJ, DaSilva J, Sellke FW, Stewart DJ, Mesana TG, Ruel M. Concomitant treatment with oral L-arginine improves the efficacy of surgical angiogenesis in patients with severe diffuse coronary artery disease: the endothelial modulation in angiogenic therapy (EMAT) randomized controlled trial. *Can J Cardiol* 2007;23 [Suppl C] Abs 973. **Collaborator (C)**
14. Kulik A, Lam B, Rubens FD, Hendry PJ, Masters RG, Bedard P, Mesana TG, Ruel M. Gender differences in long-term outcomes after valve replacement surgery. *Can J Cardiol* 2007;23 [Suppl C] Abs 981. **Collaborator (C)**
15. Rubens FD. Lessons learned on the path to a healthier brain: dispelling the myths and challenging the hypotheses. *Perfusion Workshop, Hammersmith Hospital, 2006, Page 13. Principal Author (PA)*
16. Boodhwani M, HJ Nathan, FD Rubens on behalf of the Cardiotomy Investigators. Processing of shed mediastinal blood increases post-operative blood product use: A randomized, double-blind study. *Can J Cardiol* 2006;22;Abs 186. **Senior Responsible Investigator (SRI)**
17. Guru V, Tu JV, Etchells E, Anderson GM, Naylor CD, Novick RJ, Feindel CM, Rubens F, Teoh K, Mathur A, Hamilton A, Bonneau D, Cutrara C, Austin P, Fremes SE. The limited value of all cause risk-adjusted mortality hospital report cards in measuring and improving quality of care. *Circulation* 2006, 114 (18): Suppl II;Abs 2542. **Collaborator (C)**
18. Chan V, Price J, Kulik A, Lam K, Rubens F, Hendry P, Masters P, Bedard P, Mesana T, Ruel M. Very long-term survival implications of valve replacement with bioprostheses versus mechanical prostheses. *Circulation* 2006, 114 (18): Suppl II;Abs 3704. **Collaborator (C)**
19. Kulik A, Masters RG, Bedard P, Hendry PJ, Lam B-K, Rubens FD, Mesana TG, Ruel M. Aortic root enlargement reduces the incidence of prosthesis-patient mismatch and improves outcomes in patients with small aortic roots. *Circulation* 2006, 114 (18): Suppl II;Abs 1801. **Collaborator (C)**

20. Boodhwani M, Nathan HJ, Rubens FD. On behalf of the Cardiotomy Investigators. Processing of shed mediastinal blood increases post-operative blood product use: a randomized, double-blind study. *Circulation* 2006; 114 (18): Suppl II;Abs 2530. **Senior Responsible Investigator (SRI)**
21. Boodhwani M, Lam B-K, Nathan HJ, Mesana TG, Ruel M, Zeng W, Sellke FW, Rubens FD. Skeletonized internal thoracic artery harvest reduces pain and dysesthesia and improves sternal perfusion following coronary artery bypass surgery: a randomized, double-blinded, within-patient comparison. *Circulation* 2006; 114 (18): Suppl II;Abs 3124. **Senior Responsible Investigator (SRI)**
22. Davies RA, Badovinac K, Trpeski I, Hendry P, Masters R, Haddad H, Veinot J, Smith S, Struthers C, Pugliese C, Ruel M, Rubens F. Determinants of survival after heart transplantation. *Can J Cardiol* 2005;21:Abs 207. **Collaborator (C)**
23. Boodhwani M, Rubens FD, Sellke FW, Ruel M. Surgical versus percutaneous treatment of isolated left anterior descending artery disease: a meta-analysis of randomized and observational studies. *Can J Cardiol* 2005;21:Abs 423. **Collaborator (C)**
24. Rodriguez RA, Rubens F, Belway D, Nathan HJ. Retained air in the venous cannula increases cerebral embolization during onset of cardiopulmonary bypass. *Can J Cardiol* 2005;21:Abs 546. **Collaborator (C)**
25. Kulik A, Lam BK, Rubens FD, Hendry PJ, Masters RG, Bedard P, Mesana TG, Ruel M. Mid-life dilemma: mechanical versus bioprosthetic valve replacement in middle-aged patients. *Can J Cardiol* 2005;21:Abs 721. **Collaborator (C)**
26. Lefevre I, Ruel M, Mesana T, Bourke M, Rubens F, Bedoya E. The role of sildenafil in improving exercise capacity and reserve prior to pulmonary thromboendarterectomy. *Can J Cardiol* 2005;21:Abs 750. **Senior Responsible Investigator (SRI)**
27. Boodhwani M, Rubens FD, Wozny D, Rodriguez R, Hendry PJ, Nathan HJ. Predictors of Neurocognitive Deficits in Low-Risk Patients Undergoing On-Pump Coronary Artery Bypass Surgery. *Circulation* 2005; 112 (17): II-667. **Collaborator (C)**
28. Kulik A, Lam BK, Rubens FD, Hendry PJ, Masters RG, Bedard P, Mesana TG, Ruel M. Mid-life dilemma: mechanical versus bioprosthetic valve replacement in middle-aged patients. *Circulation* 2005;112(suppl II):714. **Collaborator (C)**
29. Kulik A, Mesana TG, Lam BK, Rubens FD, Hendry PJ, Masters RG, Goldstein WG, Bedard P, Ruel M. Long-term outcomes of valve replacement with modern prostheses in young adults. *Circulation* 2004;110 (supl III):547-548. **Collaborator (C)**
30. Gunning D, Song J, Waghay G, Baird D, Rubens FD, Mesana TG, Ruel M. Off-pump surgery enhances viability of circulating endothelial progenitor cells in patients undergoing coronary artery bypass grafting. *Can J Cardiol* 2004;20: A69. **Collaborator (C)**
31. Rubens FD, Nathan H, Labow R, Williams KS, Wozny D, Karsh J, Ruel M, Mesana T. Effects of methylprednisolone and a biocompatible copolymer circuit on blood activation during cardiopulmonary bypass: a randomized trial in patients undergoing CABG. *Can J Cardiol* 2004;20: A73. **Principal Author (PA)**
32. Kulik A, Lam BK, Rubens FD, Hendry PJ, Masters RG, Goldstein WG, Bedard P, Mesana TG, Ruel M. Long-term outcomes of valve replacement with modern prostheses in young adults. *Can J Cardiol* 2004;20 A237. **Collaborator (C)**

33. Rodriguez RA, Lavallee G, Rubens F, Nathan HJ. Extra-corporeal sources of Doppler-detected cerebral emboli during cardiopulmonary bypass. *Can J Anaesth* 2003;50: A67. **Senior Responsible Investigator (SRI)**
34. Rodriguez RA, Rodriguez CD, Lavalee G, Rubens FD, Nathan HJ. In-vitro differentiation between air and solid emboli using Doppler ultrasound. *Can J Anaesth* 2003;50: A68. **Senior Responsible Investigator (SRI)**
35. Boodhwani M, Rubens FD, Ruel M, Mesana T. Percutaneous coronary intervention versus minimally invasive direct coronary artery bypass for the treatment of isolated proximal left anterior descending artery disease. *Heart Surg Forum*. 2003;6 Suppl 1:S27. **Senior Responsible Investigator (SRI)**
36. Kulik A, Ruel M, Rubens FD, Masters RG, Pipe AL, Bedard P, Hendry PJ, Goldstein WG, Brais MP, Keon WJ, Mesana TG. Late incidence and risk factors for reoperation in patients with prosthetic heart valves. *Can J Cardiol* 2003;19: A462. **Collaborator (C)**
37. Ruel M, Kulik A, Gunning D, Rubens FD, Dupuis J-Y, Bourke M, Mesana TG. Total arterial revascularization for multivessel coronary disease: 172 consecutive cases without mortality. *Can J Cardiol* 2003;19: A181. **Collaborator (C)**
38. Bedard P, Ruel M, Rubens FD, Nathan HJ, Dupuis JY, Bourke M, Sawyer L, Williams K, Bryson G, Vaillancourt R, Mesana TG. A double-blind, randomized controlled trial of early postoperative naproxen use in patients undergoing coronary artery bypass surgery. *Can J Cardiol* 2003;19: A727. **Collaborator (C)**
39. Mesana T, Collart F, Caus T, Gaubert JY, Masters R, Rubens F. Late reoperations for peri-prosthetic false aneurysms following surgery of type A aortic dissection: what did we learn? *Can J Cardiol* 2002;18(Suppl B): Abs 57. **Collaborator (C)**
40. Rubens FD, Bourke M, Hynes M, Mesana T. Surgery for chronic thromboembolic pulmonary hypertension: A Canadian perspective. *Can J Cardiol* 2002;18(Suppl B): Abs 61. **Principal Author (PA)**
41. Boodhwani M, Ruel M, Mesana T, Rubens FD. Minimally invasive direct coronary artery bypass (MIDCAB) for the treatment of isolated LAD disease. *Can J Cardiol* 2002;18(Suppl B): Abs 192. **Senior Responsible Investigator (SRI)**
42. Rubens FD, Oikonomou A, Wells P, Mesana T, Dennie C. Chronic thromboembolic pulmonary arterial hypertension correlation of post-op results with thromboendarterectomy with pre-op helical contrast-enhanced computed tomography. *Can J Cardiol* 2002;18(Suppl B):Abs 373. **Principal Author (PA)**
43. Ruel M, Masters RG, Rubens FD, Pipe AL, Mesana TG. Late incidence and predictors of CVA in patients with prosthetic heart valves. *Can J Cardiol* 2002;18(SupplB): Abs 399. **Collaborator (C)**
44. Ruel M, Masters RG, Rubens FD, Pipe AL, Mesana TG. Late incidence and predictors of cerebrovascular accidents in patients with prosthetic heart valves. *Circulation* 2002;106(19):2485. **Collaborator (C)**
45. Rubens FD, Ruel M, Fremes SE. Visualization of the coronary vasculature in the operating room. *Heart Surg Forum* 2001;4(S2): Abs 6811. **Principal Author (PA)**

46. Dokainish H, Rubens F, Waghlay G, Doelle H, Borthwick J, McPherson R. Procoagulant risk factors for atherosclerosis: the coronary artery bypass risk assessment (CARA) study. *Can J Cardiol* 1999, 15 (Suppl D) Abs 222. **Collaborator (C)**
47. Rubens FD, Wells P, Bencze S, Bourke M. Surgery for chronic thromboembolic pulmonary hypertension: The UOHI experience. *Can J Cardiol* 1999, 15 (Suppl D) Abs 141. **Principal Author (PA)**
48. Rubens FD, MacDonald A, Labow R, Waghlay G, Wozny D, Robblee J, Voorhees M, Nathan H. Evaluation of COBE biocompatible extracorporeal circuits in cardiopulmonary bypass. *Can J Cardiol* 1998, 14 (Suppl F) Abs 82. **Principal Author (PA)**
49. Rubens FD, Fergusson D, Wells PS, Huang M, McGowan JL, Laupacis A. Platelet-rich plasmapheresis in cardiac surgery: A meta-analysis of the effect on transfusion requirements. *Can J Cardiol* 1998, 14 (Suppl F) Abs 347. **Principal Author (PA)**
50. Rubens FD. Perfusion aspects for surgery for chronic thrombotic disease. *Compendium of the Canadian Society of Clinical Perfusion, 1998 Scientific Sessions*. **Principal Author (PA)**
51. Lavalee G, Rubens F, Nathan H, Watson M. Clinical evaluation of the COBE (SMARxTTM) Tri-Block Copolymer Surface Modifying Additive in an Extracorporeal Circuit. *Compendium of the Canadian Society of Clinical Perfusion, 1998 Scientific Sessions*. **Senior Responsible Investigator (SRI)**
52. Robblee JA, Labow RS, Rubens FD: Hematologic effects of an ultrafiltration autotransfusion device. *Canadian Journal of Anaesthesia* 44:A50, 1997. **Senior Responsible Investigator (SRI)**
53. Robblee JA, Labow RS, Rubens FD: The importance of sampling site in the measurement of whole blood platelet flow cytometry. *Canadian Journal of Anaesthesia* 44:A62, 1997. **Senior Responsible Investigator (SRI)**
54. Rubens FD. Improved blood compatibility during CPB using a surface modifying additive. *Pathophysiology and Techniques of Cardiopulmonary Bypass: XVII. 17th Annual San Diego Cardiothoracic Surgery Symposium*. February 1997. **Principal Author (PA)**
55. Rubens FD, Labow R, Waghlay G, Devine DV. Changes in platelet factor XIIIa expression and plasma factor XIII during cardiopulmonary bypass. *Pathophysiology and Techniques of Cardiopulmonary Bypass: XVII. 17th Annual San Diego Cardiothoracic Surgery Symposium*. February 1997. **Principal Author (PA)**
56. Rubens FD, Labow RS, Meek E, Dudani AK, Ganz PR. Tissue factor expression by cells used for sowing of prosthetic vascular grafts. *Society for Biomaterials, 23rd Annual Meeting*. New Orleans, LA. May 1997. **Principal Author (PA)**
57. Forgie M, Wells PS, Laupacis A, Fergusson D, for the International Study of Peri-Operative Transfusion (ISPOT) Investigators. A meta-analysis of the efficacy of preoperative autologous donation of blood. *Blood* 1996; 88 (10, Supplement 1), 529a. **Collaborator (C)**
58. Laupacis A, Graham I, Fergusson D, for the International Study of Peri-Operative Transfusion (ISPOT) Investigators. Studying the diffusion of technology: a bibliometric approach. *International Society of Technology Assessment in Health Care 1996 Book of Abstracts*, 20. **Collaborator (C)**

59. Rubens FD, Hatton MWC, Brash JL, Bishop P, Perry D, Kinlough-Rathbone RL. Platelet adhesion to fibrin-coated polymers: Role of platelet activation and factor XIII. Can J Cardiol, 1993, 9:Abs40. **Principal Author (PA)**
60. Rubens FD, Birch P, Wynands E, Giulivi A. Inhibition of arachidonic acid-mediated expression of the selectin GMP-140 on the platelet surface by amrinone. Can J Cardiol, 1993, 9:Abs 191. **Principal Author (PA)**
61. Rubens FD, Koshal A, Hendry PJ, Andrews C, Bonn P, Braaten J. Effects of preoperative glucose-insulin infusion on myocardial adenylate energy charge in diabetic patients undergoing coronary artery bypass grafting. Clin Invest Med, 1988, 11:Abs 85. **Principal Author (PA)**
62. Elmistekawy E, Rouphael R, Rubens F, Hudson C, McDonald B, Boodhwani M. Preoperative anemia is a risk factor for mortality and morbidity following aortic valve surgery. Can J Cardiol 2011;27(5):Abs 103. 1950. **Collaborator (C)**

Conference Poster

1. Ying I, Chan V, Rubens F, Tyndall M. Long term outcomes of valve surgery in the treatment of infective endocarditis within the injection drug use population. Infectious Disease Society of America. Oct 2013. **Collaborator (C)**
2. Elmistekawy E, Rouphael R, Rubens F, Hudson C, McDonald B, Boodhwani M. Preoperative anemia is a risk factor for mortality and morbidity following aortic valve surgery. Canadian Cardiovascular Society Vancouver. Oct 22, 2011. **Collaborator (C)**
3. Mastrobuoni S, Gawad N, Chan V, Ruel M, Mesana TG, Rubens FD. Use of bilateral internal thoracic artery during coronary artery bypass graft surgery in Canada: The BITA Survey. Canadian Cardiovascular Congress Vancouver 2011. **Senior Responsible Investigator (SRI)**
4. Elmistekawy E, Chan V, Bourke M, Dupuis J, Rubens FD, Mesana TG, Ruel M. OPCAB is not associated with better postoperative renal function compared to CABG. Canadian Cardiovascular Congress Vancouver 2011. **Collaborator (C)**
5. Elmistekawy E, Rouphael R, Rubens FD, Hudson C, Mc Donald D, Boodhwani M. Preoperative Anemia is a risk factor for mortality and morbidity following Aortic Valve Surgery. AATS Presentation, Philadelphia. May 10, 2011. **Collaborator (C)**
6. Kulik A, Masters R, Bedard P, Hendry PJ, Lam B, Rubens FD, Ressler L, Lapierre H, Mesana TG, Ruel M. Does early postoperative lipid-lowering therapy slow the development of bioprosthesis structural valve deterioration? Society of Thoracic Surgeons 45th annual meeting. Jan 28, 2009. **Collaborator (C)**
7. Grisoli D, Boodhwani M, Bourke M, Ruel M, Mesana TG, Rubens FD. Bilateral skeletonized internal thoracic artery grafting in elderly is a safe alternative to single internal thoracic artery. Society of Thoracic Surgeons, 45th Annual Meeting, San Francisco CA. Jan 28, 2009. **Senior Responsible Investigator (SRI)**
8. Rodriguez RA, Nathan HJ, Ruel M, Rubens FD, Dafoe D, Mesana TG. Distinguishing air from solid cerebral emboli with ultrasound: a study in patients with prosthetic heart valves. Canadian Cardiovascular Society Annual Meeting 2008. **Collaborator (C)**

9. Kulik A, Masters RG, Bedard P, Hendry P, Lam B, Rubens FD, Ressler L, Lapierre H, Mesana TG, Ruel M. Does early postoperative lipid-lowering therapy slow the development of bioprosthesis structural valve deterioration? Canadian Cardiovascular Society Annual Meeting 2008. **Collaborator (C)**
10. Grisoli D, Boodhwani M, Bourke M, Ruel M, Mesana TG, Rubens FD. Bilateral skeletonized internal thoracic artery grafting in elderly is a safe alternative to single internal thoracic artery. Canadian Cardiovascular Society Annual Meeting 2008. **Senior Responsible Investigator (SRI)**
11. Whitlock R, Chan S, Devereaux P, Sun J, Rubens FD, Thorlund K, Teoh KH. Clinical benefit of steroid use in patients undergoing cardiopulmonary bypass: A meta-analysis of randomized trials. Canadian Cardiovascular Society Annual Meeting 2008. **Collaborator (C)**
12. Boodhwani M, HJ Nathan, FD Rubens; On behalf of the Cardiotomy Investigators. Processing of shed mediastinal blood improves cardiac and pulmonary function following cardiac surgery: a randomized, double-blind study. Jan 2007. **Senior Responsible Investigator (SRI)**
13. Kulik A, Mesana TG, Lam BK, Rubens FD, Hendry PJ, Masters RG, Goldstein WG, Bedard P, Ruel P. Long-term outcomes of valve replacement with modern prostheses in young adults. Canadian Cardiovascular Congress, Calgary. Oct 2006. **Collaborator (C)**
14. Kulik A, Lam BK, Rubens FD, Hendry PJ, Masters RG, Bedard P, Mesana TG, Ruel M. Mid-life dilemma: mechanical versus bioprosthetic valve replacement in middle-aged patients. American Heart Association Scientific Sessions. 2005. **Collaborator (C)**
15. Lefevre I, Ruel M, Mesana T, Bourke M, Rubens FD. The role of sildenafil in improving exercise capacity and reserve prior to pulmonary thromboendarterectomy. Canadian Cardiovascular Congress, Montreal. Oct 2005. **Senior Responsible Investigator (SRI)**
16. Davies RA, Badovinac K, Trpeski L, Hendry P, Masters R, Haddad H, Veinot J, Smith S, Struthers C, Pugliese C, Ruel M, Rubens F. Determinants of survival after heart transplantation. Canadian Cardiovascular Congress, Montreal, Canada. Oct 2005. **Collaborator (C)**
17. Rubens FD, Nathan H, Labow R, Williams KS, Wozny D, Karsh J, Ruel M, Mesana T. Effects of methylprednisolone and a biocompatible copolymer circuit on blood activation during cardiopulmonary bypass: a randomized trial in patients undergoing CABG. Canadian Cardiovascular Society, Calgary, Canada. Oct 2004. **Principal Author (PA)**
18. Ruel M, Wang F, Bourke M, Dupuis J-Y, Rubens FD, Nichol G, Keon WJ. Operative outcome of high-risk patients referred to a quaternary cardiac surgery center. Can J Cardiol 1999, 15 (Suppl D) Abs 342. **Senior Responsible Investigator (SRI)**
19. Rubens FD, Lavalee G, Watson M, Robblee J, Wozny D, Nathan H. Hemodynamic changes related to circuits with surface modifying additive for clinical cardiopulmonary bypass. European Association of Cardiothoracic Surgery. Brussels, Belgium. Sep 1998. **Principal Author (PA)**
20. Whitlock R, Chan S, Devereaux P, Sun J, Rubens FD, Thorlund K, Teoh KH. Clinical benefit of steroid use in patients undergoing cardiopulmonary bypass: a meta-analysis of randomized trials. Canadian Cardiovascular Society Annual Meeting 2008. **Collaborator (C)**

INVITED PRESENTATIONS AND REPORTS

Invited Lectureships

1. Rubens FD Cardiac Surgery Residency Education. Insights as we enter the era of CBD Presenter. Ottawa Heart Institute. Ottawa, Ontario, Canada Dec 2, 2015.
2. Rubens FD Advances in Pulmonary Thromboendarterectomy Presenter. American College of Chest Physicians. Montreal, Quebec, Canada Oct 27, 2015.
3. Rubens, FD If we care for our patients, why are we encouraging them to eat unhealthy food? Presenter. Ottawa Heart Interest Group. Ottawa, Ontario, Canada Jan 19, 2015.
4. Rubens F Type IV Pulmonary Hypertension Canadian Cardiovascular Society Presenter. Canadian Cardiovascular Society. Vancouver, British Columbia, Canada Oct 26, 2014.
5. Rubens FD Epidemiology and evaluation of patients with CTEPH American Heart Association, Scientific Sessions 2013 Presenter. American Heart Association. Dallas, Texas, United States
6. Rubens FD Informed consent: When the health care worker becomes the patient Presenter. Thunder Bay Regional Hospital. Thunder Bay, Ontario, Canada Apr 10, 2013.
7. Rubens FD Bacterial Endocarditis: A surgeon's perspective Presenter. Thunder Bay Regional Hospital. Thunder Bay, Ontario, Canada Oct 18, 2012.
8. Rubens FD The Chameleon in the OR - Adaptation and Change for Surgical Staff Presenter. Thunder Bay Regional Hospital. Thunder Bay, Ontario, Canada Mar 22, 2012.
9. Rubens FD The Chameleon in the OR - Adaptation and Change in Perfusion Presenter. CREF. San Diego, California, United States Mar 3, 2012.
10. Rubens FD Music and its role in Cardiovascular Medicine Presenter. CREF. San Diego, California, United States Mar 2, 2012.
11. Rubens FD Music and its role in Cardiovascular Medicine Presenter. Ottawa Heart Institute. Ottawa, Ontario, Canada May 11, 2011.
12. Rubens FD Music and its role in Cardiovascular Medicine Presenter. Thunder Bay Regional Hospital. Thunder Bay, Ontario, Canada Mar 18, 2011.
13. Rubens FD Water, water everywhere, nor any drop to drink Presenter. Thunder Bay Regional Hospital - Grand Rounds. Thunder Bay, Ontario, Ontario, Canada Oct 21, 2010.
14. Rubens FD Water, water everywhere, nor any drop to drink Presenter. Ontario Society of Clinical Perfusion. Kingston, Ontario, Canada Sep 11, 2010.
15. Rubens FD The blind leading the blind: Clinical trials in cardiac surgery Presenter. Queens University. Kingston, Ontario, Canada Oct 4, 2009.
16. Rubens FD Multiple arterial grafting; An update Presenter. Thunder Bay Regional Hospital. Thunder Bay, Ontario, Canada Sep 4, 2009.
17. Rubens FD Transfusion in Cardiac Surgery Presenter. Thunder Bay Regional Hospital. Thunder Bay, Ontario, Canada May 21, 2009.
18. Rubens FD The blind leading the blind: Clinical trials in cardiac surgery Research Rounds, University of Ottawa Heart Institute Presenter. University of Ottawa. Ottawa, Ontario, Canada Apr 27, 2009.

19. Rubens FD. Outcomes after pulmonary thromboendarterectomy - the Canadian experience. Ontario Thoracic Society. Marriott, Toronto, Ontario Feb 1, 2008.
20. Rubens FD. Multiple arterial grafting; How many? In whom? In what configuration? CCC Workshop: Updates in coronary revascularization. Quebec City, Quebec, Canada Oct 23, 2007.
21. Rubens FD. Update on antiplatelet therapy before cardiac surgery. CSCS Postgraduate Course. Quebec City, Quebec, Canada Oct 21, 2007.
22. Rubens FD. Updates in Surgery for Chronic Thromboembolic Pulmonary Hypertension. Department of Cardiology, McMaster University. Hamilton General Hospital, Hamilton, Ontario Sep 12, 2007.
23. Rubens FD. Cardiac Surgery Research: Comic Opera or Drama? Department of Cardiology, McMaster University. Hamilton General Hospital, Hamilton, Ontario Sep 12, 2007.
24. Rubens FD. Updates in surgery for chronic thromboembolic pulmonary hypertension. Canadian Pulmonary Hypertension Society. Westin Hotel, Toronto, Ontario Jun 21, 2007.
25. Rubens FD. The Cecilie Greig Memorial Lecture - Lessons learned on the path to a healthier brain: dispelling the myths and challenging the hypotheses. Hammersmith Hospital, Imperial College. London, England Dec 8, 2006.
26. Rubens FD. Developments in Surgery at the Ottawa Heart Institute. Argus Medical. Hamilton, Bermuda Oct 18, 2006.
27. Rubens FD. Options for minimizing neurologic injury during cardiac surgery. 16th World Congress of the World Society of Cardio-Thoracic Surgeons, Ottawa, Canada. Aug 19, 2006.
28. Rubens FD. The pulmonary thromboendarterectomy program: from inception to center of excellence. 16th World Congress of the World Society of Cardio-Thoracic Surgeons. Aug 17, 2006.
29. Rubens FD. My friend, the pump. Ottawa Heart Institute Research Rounds. Apr 24, 2006.
30. Rubens FD. The Ottawa PTE Program: From Inception to Center of Excellence. University of Ottawa Heart Institute Grand Rounds. Apr 12, 2006.
31. Rubens, F.D. Pump biomaterials and surface interactions. Cardiothoracic Surgery Grand Rounds, Beth Israel Hospital. Harvard University. Boston MA Mar 1, 2006.
32. Cell Salvage. 2nd Asian NATA Symposium on Transfusion Medicine and Alternatives. Hong Kong, China. Jan 15, 2006.
33. Non-pharmacologic strategies for blood conservation in cardiac surgery. First congress of the Croatian Society or the Advancement of Bloodless Medicine. Zagreb, Croatia. Sep 2005.
34. Pump biomaterials and surface interactions. Department of Cardiovascular and Thoracic Surgery Grand Rounds. University of Mainz, Mainz, Germany. Aug 8, 2005.
35. Pump biomaterials and surface interactions. New Era Cardiac Care: Innovation and Technology. Laguna Niguel, CA. Jan 2005.
36. The effect of chronic afterload reduction on the reserve of the failing right ventricle. Pulmonary hypertension in the new millenium. Lake Louise, AB. Feb 2004.

37. Chronic thromboembolic pulmonary hypertension. Thrombosis Rounds, University of Ottawa. Oct 2003.
38. Inflammatory responses to CPB: A therapeutic overview. Therapeutic filtration and extracorporeal circulation - Workshop 2003. London, England.
39. Inflammation and surface interactions: Biomaterials. Department of Cardiac Surgery, McGill University Grand Rounds, Montreal PQ. May 2003.
40. Inflammation and surface interactions: Biomaterials. U.K. Perfusion Day. Mirandola, Italy. Mar 2003.
41. Inflammation and surface interactions: Biomaterials. San Diego Cardiothoracic Surgery Symposium. San Diego, CA. Feb 2003.
42. Clinical relevance of cardiotomy blood salvage during cardiopulmonary bypass. Montreal Heart Institute. Cardiac Surgery Rounds. Oct 2002.
43. Clinical relevance of cardiotomy blood salvage during cardiopulmonary bypass. Ottawa Heart Institute Research Rounds. Oct 2002.
44. Preoperative autologous donation and cell salvage: questioning the validity of approaching blood conservation blindly. 3rd Annual Cardiac Team Meeting: Minimizing blood loss and exposure to blood products. Montebello PQ. Sep 2002.
45. MIDCAB/OPCAB Primer, CONDOR Meeting, Ottawa, ON. Jun 2002.
46. Surface modified CPB circuits: modifying the inflammatory response. Outcomes 2002, Key West, Florida.
47. Surgery for Chronic Thromboembolic Pulmonary Hypertension. Better Breathing Conference 2002, Toronto, ON.
48. Lessons learned in the application of biocompatibility principles to minimize the complications of CPB. Cardiac Team Meeting: New Approaches to Current Strategies, Parry Sound, ON. Sep 2001.
49. Non-pharmacologic strategies in blood conservation. Cardiac Team Meeting: New Approaches to Current Strategies. Parry Sound, ON. Sep 2001.
50. Case studies in cardiac surgery. Bayer Cardiology Retreat. Chateau Laurier Hotel, Ottawa, ON. Jul 2001.
51. Chronic thromboembolic pulmonary hypertension. Research directions at the University of Ottawa Heart Institute. Research Rounds. Division of Respiriology, University of British Columbia, Vancouver, BC. Apr 2001.
52. Surgery for chronic thromboembolic pulmonary hypertension. B.C. Thoracic Society. Vancouver, B.C. Apr 2001.
53. MIDCAB Surgery: A strategy for the treatment of proximal LAD lesions. University of Ottawa Heart Institute Combined Surgery-Cardiology Grand Rounds. Ottawa, Canada. Apr 2001.
54. Chronic thromboembolic pulmonary hypertension. Department of Surgery Grand Rounds. University of Ottawa. Mar 2001.

55. Inflammation and cardiopulmonary bypass. Ottawa Heart Institute Research Rounds. Ottawa, Canada. Mar 2001.
56. Intra-operative fluorescent imaging-an innovative approach to validation. Current trends in thoracic surgery VII. New Orleans, LA. Jan 2001.
57. Clinical relevance of cardiotomy blood conservation in cardiac surgery. Hamilton Civic Hospitals Research Center. Hamilton, Ontario. Nov 2000.
58. Inflammation and cardiopulmonary bypass. Canadian Cardiovascular Society. Vancouver B.C. Oct 2000.
59. Non-pharmacologic technologies for blood conservation in cardiac surgery. Canadian Cardiovascular Society. Vancouver, B.C. Oct 2000.
60. Surgery for chronic thromboembolic pulmonary hypertension. Pulmonary hypertension current concepts and future directions. University of Toronto. Toronto, Canada. Sep 2000.
61. Blood transfusion in cardiac surgery. University of Ottawa Heart Institute Research Rounds. Ottawa, Ontario. Oct 1999.
62. Rubens FD. SMA coating on CPB surfaces. American Society for Artificial Internal Organs. San Diego CA. Jun 1999.
63. Blood transfusion in cardiac surgery. Canadian Society of Transfusion Medicine. Saskatoon, Saskatchewan. May 1999.
64. Cardiac surgery in the new millennium. Ottawa Heart Institute Alumni Association. Apr 1999.
65. Heparin coated bypass circuits. Ottawa Life Sciences National Conference and Exhibition, Ottawa ON. Nov 1998.
66. Perfusion aspects for the surgical treatment of chronic thromboembolic disease. Canadian Society of Clinical Perfusion. Ottawa ON. Oct 1998.
67. COBE SMARxTTM Symposium: Biocompatible circuits with surface modifying additive for clinical cardiopulmonary bypass. Brussels Belgium. Sep 1998.
68. Evaluation of COBE biocompatible extracorporeal circuits in cardiopulmonary bypass. University of Ottawa Heart Institute Research Rounds. Mar 1998.
69. Hematologic consequences of cardiac reoperations. Canadian Cardiovascular Society, Winnipeg MN. Oct 1997.
70. Chronic pulmonary embolus. Lakehead University Summer School, Thunder Bay, ON. Sep 1997.
71. Coronary surgery in the new millenium. Lakehead University Summer School, Thunder Bay ON. Sep 1997.
72. Chronic thromboembolic pulmonary hypertension. Department of Medicine Grand Rounds. Riverside Hospital, Ottawa, ON. May 1997.
73. Improved blood compatibility during CPB using a surface modifying additive. San Diego Cardiothoracic Surgery Symposium, San Diego, CA. Feb 1997.

74. Strategies for minimizing blood loss and blood replacement in cardiac surgery. Blood alternatives in medical practice. Satellite Symposium in conjunction with 1997 Anaesthesia Winterlude Scientific Day. Ottawa, Canada.
75. Device thrombosis and cell biology laboratory. UpState New York Cardiothoracic Surgeons, Ottawa. Sep 1996.
76. Chronic thromboembolic pulmonary hypertension. Cardiology rounds, Hotel Dieu Hospital, Queen's University, Kingston, Ontario. Sep 1996.
77. The endothelium as a surgical target in cardiovascular disease. Henry Ford Hospital, University of Michigan, Detroit, Michigan. Apr 1996.
78. Chronic thromboembolic pulmonary hypertension. University of Ottawa Pneumo Club. Feb 1996.
79. Genetic engineering of endothelial cells used for the coating of prosthetic vascular surfaces. Keynote speaker, Collin's Research Day, Department of Surgery, University of Ottawa. May 1995.
80. Platelet interaction with the blood vessel wall. Laboratoire d'Organogenese Experimentale, Hopital du Saint-Sacrement, Sainte-Foy, Quebec. 1994.
81. The role of factor XIII in post-bypass hemostasis. Ottawa General Hospital. Feb 1994.
82. Platelet interaction with the blood vessel wall. Ottawa Civic Hospital. Jan 1993.
83. The development of fibrin-coated vascular grafts. Zymogenetics Inc., Seattle Washington. Apr 1992.

National and International Meeting Presentations

1. Russo JJ, Malhotra N, Rubens F, Bourke M, Dupuis J, Chan V, Singh K, Ruel M, Hibbert B, Chong A, So D Clinical outcomes in acute coronary syndrome patients following coronary artery bypass grafting in relation to timing of ticagrelor discontinuation: insights from the capital registry Canadian Cardiovascular Society Collaborator. Canadian Cardiovascular Society. Toronto, Ontario, Canada Oct 24, 2015.
2. Chan V, Malas T, Ruel M, Rubens F Application of high fidelity simulation in teaching mitral valve annuloplasty to cardiac surgery residents Canadian Cardiovascular Society Collaborator. Canadian Cardiovascular Society. Toronto, Ontario, Canada Oct 24, 2015.
3. Kimmaliardjuk D, Al-Atassi T, Dagenais C, Bourke M, Lam B, Rubens F Should we ablate atrial fibrillation during coronary artery bypass grafting and aortic valve replacement? Canadian Cardiovascular Society Collaborator. Canadian Cardiovascular Society. Toronto, Ontario, Canada Oct 24, 2015.
4. Rubens F, Rao RV, Chan V, Burwash I A matched-pair comparative analysis of the hemodynamics of the Trifecta and Perimount aortic bioprostheses Canadian Cardiovascular Society Presenter. Canadian Cardiovascular Society. Toronto, Ontario, Canada Oct 24, 2015.
5. The Cardiac Team - Why am I always in the penalty box? Presenter. Thunder Bay, Ontario, Canada Apr 10, 2015.
6. Juanda N, Chan V, Chan R, Rubens FD Catheter-based educational experiences: A Canadian survey of current residents and recent graduates in cardiac surgery Canadian Cardiovascular Society Senior author. Canadian Cardiovascular Society. Vancouver, British Columbia, Canada Oct 27, 2014.

7. The Cardiac Team - Why am I always in the penalty box? Presentor. Ottawa, Ontario, Canada May 2, 2014.
8. Boodhwani M., Rubens FD, Wozny D, Nathan H Clinical impact of neurocognitive deficit following cardiac surgery AATS 2012 meeting. United States
9. Ruel M, Grenon J, Boodhwani M, Mielniczuk L, Rubens FD, Haddad H, Lam BK, Davies R, Veinot JP, Lapierre H, Ressler L, Pipe A, Struthers C, Pugliese C, Mesana TG, Hendry PJ, Masters RG Results of 461 orthotopic heart transplantations at the University of Ottawa Heart Institute: Follow-up data to 25 years Collaborator. Canadian Cardiovascular Congress. Vancouver, British Columbia, Canada Oct 25, 2011.
10. Elmistekawy E, Chan V, Bourke ME, Dupuis JY, Rubens FD, Mesana TG, Ruel M OPCAB does not preserve renal function better than CABG: results of a case-matched study Collaborator. American Association of Thoracic Surgery. Philadelphia, Pennsylvania, United States May 8, 2011.
11. V. Chan, H. Lapierre, M. Boodhwani, B. Lam, F.D. Rubens, P. Hendry, R. Masters, W. Goldstein, T.G. Mesana, M. Ruel Longevity of heart valve bioprostheses according to age at implantation: new compiled age-specific data for patient discussion and decision-making Collaborator. Montreal, Quebec, Canada Oct 25, 2010.
12. B. Lam, P. Hendry, T. Al-Atassi, F.D. Rubens, T.G. Mesana Surgical ablation of atrial fibrillation associated with aortic valve and coronary artery disease: is it worth it? (Poster) Collaborator. Montreal, Quebec, Canada Oct 25, 2010.
13. R.A. Rodriguez, H. Lapierre, M. Boodhwani, K. Lam, M. Forgie, F.D. Rubens, P. Hendry, R. Masters, W. Goldstein, P. Bedard, T. Mesana, M. Ruel Effects of warfarin and aspirin versus aspirin alone on cerebral microembolization and platelet function after bioprosthetic aortic valve replacement (Poster) Collaborator. Montreal, Quebec, Canada Oct 25, 2010.
14. N. Gawad, M. Boodhwani, V. Chan, TG Mesana, M. Ruel, FD Rubens Unforeseen modifiable risk factors: the role of preoperative anemia in sternal wound infection after bilateral internal thoracic artery harvest (Poster) Senior Investigator. Montreal, Quebec, Canada Oct 24, 2010.
15. Price J, Tee R, Lam B, Hendry P, Green M, Rubens FD Current use of prophylactic strategies for postoperative atrial fibrillation- a survey of Canadian cardiac surgeons Senior most responsible author. Canadian Cardiovascular Society. Toronto, Ontario, Canada Oct 2008.
16. Boodhwani M, Tao H, Ruel M, Bourke M, Mesana TG, Rubens FD. Is bilateral internal thoracic artery use safe in the elderly? Senior author. Canadian Cardiovascular Congress. Quebec City, Quebec, Canada Oct 23, 2007.
17. Chan V, Lortie M, Beanlands RS, DeKemp RA, Rubens FD, Suuronen EJ, DaSilva J, Sellke FW, Stewart DJ, Mesana TG, Ruel M. Concomitant treatment with oral L-arginine improves the efficacy of surgical angiogenesis in patients with severe diffuse coronary artery disease: the endothelial modulation in angiogenic therapy (EMAT) randomized controlled trial. Collaborator. Canadian Cardiovascular Congress. Quebec City, Quebec, Canada Oct 23, 2007.
18. Kulik A, Lam B, Rubens FD, Hendry PJ, Masters RG, Bedard P, Mesana TG, Ruel M. Gender differences in long-term outcomes after valve replacement surgery. Collaborator. Canadian Cardiovascular Congress. Quebec City, Quebec, Canada Oct 23, 2007.

19. Boodhwani M, Wozny D, Wells G, Nathan HJ, Mesana TG, Rubens FD. The Cardiotomy Study: a randomized double-blind trial to assess the effect of shed blood processing on transfusion and neurocognitive function. Senior author. Canadian Cardiovascular Congress. Quebec City, Quebec, Canada Oct 22, 2007.
20. Rubens FD. Outcomes after pulmonary thromboendarterectomy. Pulmonary Hypertension Forum, Harbour Westin, Toronto, Ontario, Canada. Presenter. Canadian Pulmonary Hypertension Society Jun 21, 2007.
21. Boodhwani M, Rubens FD, Wozny D, Rodriguez R, Nathan HJ. Effects of sustained mild hypothermia on neurocognitive function following coronary artery bypass surgery: A randomized, double-blind study. Presented by Trainee. American Association of Thoracic Surgery. Philadelphia, PA Apr 2007.
22. Boodhwani M, Nathan HJ, Rubens FD on behalf of the Cardiotomy Investigators. Processing of shed mediastinal blood improves cardiac and pulmonary function following cardiac surgery: a randomized, double-blind study. Presented by trainee. Society of Thoracic Surgery. San Diego CA Feb 2007.
23. Chan V, Price J, Kulik A, Lam K, Rubens F, Hendry P, Masters P, Bedard P, Mesana T, Ruel M. Very long-term survival implications of valve replacement with bioprostheses versus mechanical prostheses. American Heart Association. Chicago, IL Nov 15, 2006.
24. Boodhwani M, Lam B-K, Nathan HJ, Mesana TG, Ruel M, Zeng W, Sellke FW, Rubens FD. Skeletonized internal thoracic artery harvest reduces pain and dysesthesia and improves sternal perfusion following coronary artery bypass surgery: a randomized, double-blinded, within-patient comparison. American Heart Association. Chicago, IL Nov 14, 2006.
25. Guru V, Tu JV, Etchells E, Anderson GM, Naylor CD, Novick RJ, Feindel CM, Rubens F, Teoh K, Mathur A, Hamilton A, Bonneau D, Cutrara C, Austin P, Fremes SE. The limited value of all cause risk-adjusted mortality hospital report cards in measuring and improving quality of care. American Heart Association. Chicago, IL Nov 13, 2006.
26. Kulik A, Masters RG, Bedard P, Hendry PJ, Lam B-K, Rubens FD, Mesana TG, Ruel M. Aortic root enlargement reduces the incidence of prosthesis-patient mismatch and improves outcomes in patients with small aortic roots. American Heart Association. Chicago, IL Nov 12, 2006.
27. A Kulik, RG Masters, P Bedard, PJ Hendry, BK Lam, FD Rubens, TG Mesana, M Ruel. Aortic root enlargement reduces the incidence of prosthesis-patient mismatch and improves outcomes in patients with small aortic roots. Canadian Cardiovascular Society. Vancouver, British Columbia Oct 24, 2006.
28. RA Rodriguez, HJ Nathan, F Rubens, M Ruel, K Lam, T Mesana. Effects of breathing 100% oxygen on the doppler characteristics of cerebral embolic signals in mechanical heart valve (MHV) patients. Canadian Cardiovascular Society. Vancouver, British Columbia Oct 24, 2006.
29. Kulik A, Masters R, Bedard P, Hendry P, Lam K, Rubens FD, Mesana T, Ruel M. Aortic root enlargement reduces incidence of prosthesis-patient mismatch and improves outcomes in patients with small aortic roots. Canadian Cardiovascular Congress, Vancouver BC. Oct 24, 2006.
30. Boodhwani M, Lam K, Mesana TG, Nathan H, Ruel M, Zeng W, Sellke FW, Rubens FD. Skeletonized internal thoracic artery harvest reduces pain and dysesthesia and improves sternal perfusion following coronary artery bypass surgery: a randomized, double-blinded, within-patient comparison. Canadian Cardiovascular Congress, Vancouver BC. Oct 24, 2006.

31. Kulik A, Rubens FD, Gunning D, Bourke M, Mesana T, Ruel M. Radial artery graft treatment with phenoxybenzamine is clinically safe and reduces perioperative myocardial injury. Canadian Cardiovascular Congress, Vancouver BC. Oct 23, 2006.
32. A Kulik, FD Rubens, D Gunning, ME Bourke, TG Mesana, M Ruel. Radial artery graft treatment with phenoxybenzamine is clinically safe and reduces perioperative myocardial injury. Canadian Cardiovascular Society. Vancouver, British Columbia Oct 22, 2006.
33. M Boodhwani, BK Lam, TG Mesana, M Ruel, W Zeng, FD Rubens. Skeletonized internal thoracic artery harvest reduces pain and dysesthesia and improves sternal perfusion following coronary artery bypass surgery: a randomized, double-blinded within-patient comparison. Canadian Cardiovascular Society. Vancouver, British Columbia Oct 22, 2006.
34. Boodhwani M, Williams K, Babaev A, Gill G, Saleem N, Rubens F. Ultrafiltration reduces blood transfusions following cardiac surgery: a meta-analysis. 16th World Congress of the World Society of Cardio-Thoracic Surgeons. Aug 19, 2006.
35. Rodriguez R, Rubens F, Nathan H, Ruel M, Lam K, Mesana T. Effects of de-nitrogenation of blood on the transcranial doppler characteristics of embolic signals in mechanical valve patients. 16th World Congress of the World Society of Cardio-Thoracic Surgeons. Aug 19, 2006.
36. Kotrec M, Lefevre I, Bedoya E, Ruel M, Bourke M, Mesana T, Rubens F. The role of sildenafil in improving exercise capacity and reserve prior to pulmonary thromboendarterectomy in patients with chronic thromboembolic pulmonary hypertension. 16th World Congress of the World Society of Cardio-Thoracic Surgeons. Aug 18, 2006.
37. Kulik A, Rubens FD, Gunning D, Bourke ME, Mesana TG, Ruel M. Radial artery graft treatment with phenoxybenzamine is clinically safe and may reduce perioperative myocardial injury. 86th Meeting of the American Association for Thoracic Surgery, Philadelphia. May 2006.
38. Boodhwani M, Rubens FD, Wozny D, Rodriguez R, Hendry PJ, Nathan H. Predictors of Neurocognitive Outcome Following Low-Risk On-pump Coronary Artery Bypass Surgery. American Heart Association. 2005.
39. Boodhwani M, Rubens FD, Sellke FW, Ruel M. Mortality and myocardial infarction with surgical versus percutaneous therapy for isolated left anterior descending artery disease: a meta-analysis. Canadian Cardiovascular Society. Oct 2005.
40. Kulik A, Lam BK, Rubens FD, Hendry PJ, Masters RG, Bedard P, Mesana TG, Ruel M. Mid-life dilemma: mechanical versus bioprosthetic valve replacement in middle-aged patients. 3rd Biennial Meeting of the Society of Heart Valve Disease. Oct 2005.
41. Rodriguez R, Rubens FD, Belway D, Nathan HJ. Retained air in the venous cannula increases cerebral embolization during onset of cardiopulmonary bypass. Canadian Cardiovascular Congress, Montreal. Oct 2005.
42. Kulik A, Lam BK, Rubens FD, Hendry PJ, Masters RG, Bedard P, Mesana TG, Ruel M. Mid-life dilemma: mechanical versus bioprosthetic valve replacement in middle-aged patients. Canadian Cardiovascular Congress, Montreal, Canada. Oct 2005.
43. Boodhwani M, Rubens FD, Sellke FW, Ruel M. Surgical versus percutaneous treatment of isolated left anterior descending artery disease: a meta-analysis of randomized and observational studies. Canadian Cardiovascular Congress, Montreal, Canada. Oct 2005.

44. Kulik A, Rubens FD, Baird D, Mesana TG, Lam BK. Early postoperative anticoagulation following mechanical valve replacement. A Canadian survey. . 3rd Biennial Meeting of the Society for Heart Valve Disease, Vancouver, Canada. Jun 2005.
45. Belway D, Rubens FD, Henley B, Babaev A, Mesana TG. Hirudin inhibits thrombin generation and fibrinopeptide A formation during prolonged CPB. A case report. Annual Pathophysiology & Techniques of Cardiopulmonary Bypass: San Diego Cardiothoracic Surgery Symposium. Mar 2005.
46. Belway D, Rubens FD, Wozny D, Henley B, Nathan HJ. Are we doing everything we can to conserve blood during bypass? A national survey. Annual Pathophysiology & Techniques of Cardiopulmonary Bypass: San Diego Cardiothoracic Surgery Symposium. Mar 2005.
47. Desai ND, Cohen EA, Fremes SE on behalf of the Radial Artery Patency Study Investigators. Complications following radial artery harvest: Analysis from a randomized controlled clinical trial. International Society of Minimally Invasive Cardiac Surgery Annual Meeting, New York. Jan 2005.
48. Desai ND, Cohen EA, Fremes SE on behalf of the Radial Artery Patency Study Investigators. The Effect of Gender on Saphenous Vein Graft Patency: Analysis from a Randomized Clinical Trial American Heart Association Second International Conference on Heart Disease and Stroke, Orlando. Jan 2005.
49. Miwa S, Desai ND, Cohen EA, Fremes SE on behalf of the Radial Artery Patency Study Investigators. Anatomic and Multivariate Analysis of Thirty-One Cases of Radial Artery String Sign From the Multi-Center Radial Artery Patency Study. Society of Thoracic Surgeons Meeting, Tampa. Jan 2005.
50. Boodhwani M, Rubens FD, Sellke FW, Ruel M. Mortality and myocardial infarction with surgical versus percutaneous therapy for isolated left anterior descending artery disease: a meta-analysis. European Association of Cardiothoracic Surgery. Jan 2005.
51. Kulik A, Mesana TG, Lam BK, Rubens FD, Hendry PJ, Masters RG, Goldstein WG, Bedard P, Ruel M. Long-term outcomes of valve replacement with modern prostheses in young adults. American Heart Association, New Orleans. Nov 2004.
52. Gunning D, Song J, Waghray G, Baird D, Rubens FD, Mesana TG, Ruel M. Off-pump surgery enhances viability of circulating endothelial progenitor cells in patients undergoing coronary artery bypass grafting. Canadian Cardiovascular Society, Calgary, Canada. Oct 2004.
53. Desai ND, Cohen EA, Fremes SE on behalf of the RAPS Investigators. Neurologic injury after on-pump arterial revascularization in a low-risk patient population: a subgroup analysis of a randomized controlled clinical trial. Canadian Cardiovascular Congress, Calgary, Canada. Oct 2004.
54. Desai ND, Cohen EA, Naylor CD, Fremes SE on behalf of the Radial Artery Patency Study Investigators. Competitive Flow Compromises Patency Of Radial Artery Coronary Bypass Grafts: Angiographic Analysis From A Multinational Randomized Controlled Clinical Trial. EACTS, Leipzig 2004.
55. Desai ND, Miwa S, Cohen EA, Schwartz L, Dubbin J, Radhakrishnan S, Fremes SE, On Behalf of the RAPS Investigators . Competitive Flow Compromises Patency of Radial Artery Coronary Bypass Grafts American Heart Association Scientific Sessions, New Orleans 2004.
56. Boodhwani M, Ruel M, Mesana T, Rubens FD. Percutaneous. Coronary Intervention versus Minimally Invasive Direct Coronary Artery Bypass for the treatment of isolated, proximal LAD disease. International Society for Minimally Invasive Cardiac Surgery. 2003.

57. Mesana T, Ruel M, Rubens FD, Pipe AL, Hendry PJ, Bedard P, Masters RG. Small prosthesis size and prosthesis-patient mismatch are independently predictive of heart failure recurrence after aortic valve replacement. American Heart Association, Orlando, FLA. Nov 2003.
58. Mesana T, Ruel M, Kulik A, Masters RG, Pipe AL, Rubens FD. Late incidence and risk factors for reoperation in patients with prosthetic heart valves. American Heart Association, Orlando, FLA. Nov 2003.
59. Desai ND, Cohen EA, Fremes SE for the RAPS Investigators. One-Year Results of the Multi-Center Radial Artery Patency Trial. Annual Scientific Sessions of the American Heart Association, Orlando. Nov 2003.
60. Ruel M, Kulik A, Rubens FD, Bedard P, Masters RG, Pipe AL, Mesana TG. Late incidence and determinants of reoperation in patients with prosthetic heart valves. European Association for Cardiothoracic Surgery, Vienna, Austria. Oct 2003.
61. Kulik A, Ruel R, Rubens FD, Masters RG, Pipe AL, Bedard P, Hendry PJ, Goldstein WG, Brais MP, Keon WJ, Mesana TG. Late incidence and risk factors for reoperation in patients with prosthetic heart valves. Canadian Cardiovascular Society, Toronto, Canada. Oct 2003.
62. Ruel M, Kulik A, Gunning D, Rubens FD, Dupuis J-Y, Bourke M, Mesana TG. Total arterial revascularization for multivessel coronary disease: 172 consecutive cases without mortality. Canadian Cardiovascular Society, Toronto, Canada. Oct 2003.
63. Bedard P, Ruel M, Rubens FD, Nathan HJ, Dupuis J-Y, Bourke M, Sawyer L, Williams K, Bryson G, Vaillancourt R, Mesana TG. A double-blind, randomized controlled trial of early postoperative naproxen use in patients undergoing coronary artery bypass surgery. Canadian Cardiovascular Society, Toronto, Canada. Oct 2003.
64. Ruel M, Masters RG, Rubens FD, Pipe AL, Mesana TG. Late incidence and predictors of persistent and recurrent heart failure in patients with prosthetic heart valves. 83rd Annual Meeting, American Association for Thoracic Surgery, Boston, MA. May 2003.
65. Ruel M, Masters RG, Rubens FD, Pipe AL, Mesana TG. Late incidence and predictors of CVA in patients with prosthetic heart valves. 78th Scientific Sessions of the American Heart Association, Chicago, IL. Nov 2002.
66. Mesana T, Collart F, Caus T, Gaubert JY, Masters R, Rubens F. Late reoperations for peri-prosthetic false aneurysms following surgery for type A aortic dissection: what did we learn? Canadian Cardiovascular Society, Edmonton, Canada. Oct 2002.
67. Rubens FD, Bourke M, Hynes M, Mesana T. Surgery for chronic thromboembolic pulmonary hypertension: A Canadian perspective. Canadian Cardiovascular Society, Edmonton, Canada. Oct 2002.
68. Boodhwani M, Ruel M, Mesana T, Rubens FD. Minimally invasive direct coronary artery bypass (MIDCAB) for the treatment of isolated LAD disease. Canadian Cardiovascular Society. Edmonton, Canada. Oct 2002.
69. Rubens FD, Oikonomou A, Wells P, Mesana T, Dennie C. Chronic thromboembolic pulmonary arterial hypertension correlation of post-op results with thromboendarterectomy with pre-op helical contrast-enhanced computed tomography. Canadian Cardiovascular Society. Edmonton, Canada. Oct 2002.

70. Ruel M, Masters RG, Rubens FD, Pipe AL, Mesana TG. Late incidence and predictors of CVA in patients with prosthetic heart valves. Canadian Cardiovascular Society, Edmonton, Canada. Oct 2002.
71. Oikonomou A, Dennie CJ, Matzinger FR, Wells PS, Peterson RA, Rubens FD. Chronic thromboembolic pulmonary arterial hypertension – Correlation of post-operative results of thromboendarterectomy with pre-operative helical contrast-enhanced computed tomographic and pulmonary angiographic findings. Society of Thoracic Radiology, San Francisco CA. Mar 2002.
72. Dennie CJ, Rubens FD, Matzinger FR, Wells PS. Natural history of pulmonary thromboembolism in patients with acute pulmonary embolism. Society of Thoracic Radiology, San Francisco CA. Mar 2002.
73. Rubens FD, Mallidi H, Fremes SE. Visualization of the coronary vasculature in the operating room. World Artificial-Organ, Immunology and Transplantation Society. Ottawa, Canada. Aug 2001.
74. Ruel M, Rubens FD, Fremes SE. Visualization of the coronary vasculature in the operating room. 4th Annual Scientific Meeting of the International Society for Minimally Invasive Cardiac Surgery. Munich Germany (Award for the Best Short Moderated Presentation). Jun 2001.
75. Rubens FD, Ruel M, Labinaz M, Hynes M, Del Rizzo D. Visualization of the coronary vasculature in the operating room. Cardiothoracic Techniques and Technologies. New Orleans LA. Jan 2001.
76. Ruel M, Weng F, Bourke M, Dupuis J-Y, Robblee J, Rubens FD. Is tranexamic acid safe in patients undergoing coronary endarterectomy? Canadian Cardiovascular Society. Vancouver, Canada. Oct 2000.
77. Dokainish H, Rubens F, Waghay G, Doelle H, Borthwick J, McPherson R. Plasma homocysteine is a risk factor for atherosclerosis: The Coronary Artery Bypass Risk Assessment (CARA) study. American Cardiology Conference. Anaheim, CA. Mar 2000.
78. Evans A, Proulx GA, Morrin L, Mayhew A, Rubens F. Functional recovery after pulmonary thromboendarterectomy. Tri-joint Congress 2000, Burlington Canada.
79. Isotalo PA, Auclair F, Beanlands DS, Chan KL, Rubens F, Veinot JP. Bioprosthetic valve fungal endocarditis: a rare presentation of disseminated histoplasmosis. Canadian and Ontario Association of Pathologists. Ottawa, Canada. Jan 2000.
80. Dokainish H, Rubens F, Waghay G, Doelle H, Borthwick J, McPherson R. Procoagulant risk factors for atherosclerosis: the coronary artery bypass risk assessment (CARA) study. Canadian Cardiovascular Society, Quebec City, Canada. Oct 1999.
81. Rubens FD, Wells P, Bencze S, Bourke M. Surgery for chronic thromboembolic pulmonary hypertension: The UOHI experience. Canadian Cardiovascular Society, Quebec City, Canada. Oct 1999.
82. Ruel M, Wang F, Bourke M, Dupuis J-Y, Rubens FD, Nichol G, Keon WJ. Operative outcome of high-risk patients referred to a quaternary cardiac surgery center. Canadian Cardiovascular Society, Quebec City, Canada. Oct 1999.
83. Rubens FD, MacDonald A, Labow R, Waghay G, Wozny D, Robblee J, Voorhees M, Nathan H. Evaluation of COBE biocompatible extracorporeal circuits in cardiopulmonary bypass. Canadian Cardiovascular Society, Ottawa, Canada. Oct 1998.

84. Rubens FD, Fergusson D, Wells PS, Huang M, McGowan JL, Laupacis A. Platelet-rich plasmapheresis in cardiac surgery: a meta-analysis of the effect on transfusion requirements. Canadian Cardiovascular Society, Ottawa, Canada. Oct 1998.
85. Lavalee G, Rubens FD, Nathan H, Watson M. Clinical evaluation of the COBE (SMARxT) tri-block copolymer surface modifying additive in an extracorporeal circuit. Canadian Society of Clinical Perfusion. Ottawa, Canada. Oct 1998.
86. Rubens FD. Traumatic mitral insufficiency. Young Cardiac Surgeons of Canada. Orlando, Florida, USA. Mar 1997.
87. Rubens FD, Labow RS, Robblee JA. Hematologic effects of the DavolR autotransfusion device in re-operative surgery. Eighth World Biomaterials Congress. Toronto, Canada. Jun 1996.
88. Dennie CJ, Rubens FD, Matzinger FR, Di Primio G, Wells P. Helical CT in the preoperative assessment for pulmonary thromboendarterectomy. Canadian Association of Radiologists, Vancouver, Canada. Jun 1996.
89. Rubens FD, Hatton MWC, Brash JL, Bishop P, Perry D, Kinlough-Rathbone RL. Platelet adhesion to fibrin-coated polymers: Role of platelet activation and factor XIII. Canadian Cardiovascular Society, Vancouver, Canada. Oct 1993.
90. Rubens FD, Birch P, Wynands E, Giulivi A. Inhibition of arachidonic acid-mediated expression of the selectin GMP-140 on the platelet surface by amrinone. Canadian Cardiovascular Society, Vancouver, Canada. Oct 1993.
91. Rubens FD, Ross-Ouellet B, Dennie C, Coates G, Kinlough-Rathbone RL, Hatton MWC. Evaluation of ¹³¹I-recombinant hirudin as an agent for the detection of pulmonary emboli in the rabbit. The Canadian Association of Radiologists, Quebec City, Canada. Jun 1993.
92. Rubens FD, Weitz JL, Brash JL, Kinlough-Rathbone RL. The effect of antithrombin III-independent thrombin inhibitors and heparin on fibrin accretion onto fibrin-coated polyethylene. Canadian Society for Vascular Surgery. Ottawa, Canada. Sep 1992.
93. Rubens FD, Brash JL, Weitz JL, Kinlough-Rathbone RL. Fibrin-coated polyethylene: a model for thrombogenic neointima on biomaterials. Fourth World Biomaterials Congress. Berlin, Germany. Apr 1992.
94. Rubens FD, Brash JL, Weitz JL, Kinlough-Rathbone RL. Thermally-denatured fibrinogen on polyethylene: a stable protein- and platelet-resistant surface. Fourth World Biomaterials Congress, Berlin, Germany. Apr 1992.
95. Rubens FD, Koshal A, Hendry PJ, Andrews C, Bonn P, Braaten J. Effects of preoperative glucose-insulin infusion on myocardial adenylate energy charge in diabetic patients undergoing coronary artery bypass grafting. Canadian Cardiovascular Society. Oct 1988.
96. Dennie CJ, Hickey N, Tao H, Rubens FD, Shamji F. CT scanning as a predictor of surgical resectability of esophageal cancer. The Canadian Association of Radiologists. Edmonton, Alberta. Jun 1988.
97. Rubens FD, Shamji F, Brown S, Sachs H. The value of curative resection for carcinoma of the esophagus. Canadian Association of General Surgeons. Winnipeg, Manitoba. Jun 1987.

Regional and Local Meeting Presentations

1. McDonald H, Gawad N, Rubens FD Development of a fourth year post_CaRMS elective in perioperative management Senior author. University of Ottawa. Ottawa, Ontario, Canada Oct 6, 2015.
2. Rubens FD Bacterial Endocarditis: A surgeon's perspective Presenter. Ottawa General Hospital. Ottawa, Ontario, Canada Jul 18, 2013.
3. Rubens FD Outcomes after pulmonary thromboendarterectomy Ottawa Pulmonary Hypertension Symposium Podium presentation. Ottawa Heart Institute. Ottawa, Ontario, Canada Jan 19, 2009.
4. F.D. Rubens, H. Nathan. Lessons learned on the path to a healthier brain: dispelling the myths and challenging the hypotheses. Presenter. Department of Cardiac Anesthesia. University of Ottawa Heart Institute Jan 10, 2007.
5. Rubens FD. Chronic thromboembolic pulmonary hypertension. Nursing in-service. Ottawa Heart Institute. Ottawa, Canada. Nov 1999.
6. Cutrara CA, Masters RG, Nathan H, Rubens FD. Preoperative heparin infusion does not increase blood usage in urgent CABG. University of Ottawa Heart Institute Research Day. Ottawa, Canada. Apr 1997.
7. Rubens FD. The effect of cardiopulmonary bypass on platelet and plasma factor XIII. Ottawa Heart Institute Research Day. Ottawa, Canada. Jun 1994.
8. Rubens FD, Ganz PR. Molecular mechanism of action of amrinone: Identification of target proteins in human platelets which bind amrinone. Residents' Review Day. University of Ottawa. May 1994.
9. Rubens FD, Hendry PJ, Ganz PR, Birch P, Giulivi A, Devine D. The expression of activated plasma and platelet factor XIII during cardiopulmonary bypass. Residents' Review Day. University of Ottawa. May 1994.
10. Rubens FD, Birch P, Wynands E, Giulivi A. Inhibition of arachidonic acid-mediated expression of the selectin GMP-140 on the platelet surface by amrinone. Residents' Review Day. University of Ottawa. May 1993.
11. Rubens FD. Surgical Wound Care. Nursing in-service. University of Ottawa. May 1993.
12. Rubens FD. Arguments for infrapopliteal PTFE grafting. Entretiens Vasculaire. Ottawa, Canada. Jun 1990.
13. Rubens FD, Pipe AL, Keon WJ, Walley VM. Patterns of failure in Hancock pericardial bioprostheses. Ottawa Heart Institute Research Day. May 1990.
14. Rubens FD, Wellington J. A review of the brachiocephalic fistula for hemodialysis access. Residents' Review Day. University of Ottawa. May 1990.
15. Rubens FD, Koshal A, Hendry PJ, Andrews C, Bonn P, Braaten J. Effects of preoperative glucose-insulin infusion on myocardial adenylate levels and adenylate energy charge in diabetic patients undergoing coronary artery bypass grafting. Residents' Review Day. University of Ottawa. Jun 1988.
16. Rubens FD, Koshal A, Hendry PJ, Andrews C, Bonn P, Braaten J. The role of normoglycemia in intraoperative myocardial protection. Residents' Review Day. University of Ottawa. Jun 1987.

National Pulmonary Hypertension Society

1. Rubens FD Pulmonary thromboendarterectomy: the patient's experience Presenter. National Pulmonary Hypertension Society. Montreal, Quebec, Canada May 3, 2015.

SERVICE AND ADMINISTRATION

Professional Associations

2015	American Association of Thoracic Surgery, Member
2012	American College of Surgery, Fellow
2011	American College of Surgery, Associate Fellow
2007	Society of Thoracic Surgery, Member
2006	American Heart Association, Premium Professional Member
1995	Canadian Society of Cardiac Surgeons, Member
1992	Royal College of Physicians and Surgeons of Canada, Fellow
1986	Canadian Cardiovascular Society, Member
1985	College of Physicians and Surgeons of Ontario, Member
1985	Ontario Medical Association, Member
1985	Canadian Medical Association, Member

Professional Activities

2014 - 2015	<p>Global Clinical Scholars Research Training Program (GCSRTP) Harvard, The Harvard Medical School Global Clinical Scholars Research Training (GCSRT) Program provides clinicians and clinician-scientists advanced training in the methods and conduct of clinical research. The blended-learning approach to this one-year program enables clinician scientists from around the world to participate. is a one year intensive program training in techniques of advanced biostatistics and clinical trials methodology. The course involves 8-10 hours of work weekly with frequent webinars, assignments, presentations and examinations. It also included 3 one-week on-site courses in London (Imperial College) and Boston (Harvard University). After completing this program, participants will be able to:</p> <ol style="list-style-type: none">1. Perform both observational and experimental clinical research.2. Plan and implement a clinical research project.3. Analyze, interpret, and present clinical research data.
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Administrative Committees

2015 - present	Hospital Committee Service, Member, Faculty Wellness Program Committee, The Ottawa Hospital
2015 - present	Regular Journal Reviewer, Specific Assigned Title / Role, Reviewer, Heart and Vessels
2015 - present	Prestigious Society Committee, Member, American Association of Thoracic Surgery
2015	Regular Journal Reviewer, Circulation
2014 - present	Regular Journal Reviewer, Specific Assigned Title / Role, Reviewer, Scandinavian Journal of Surgery
2013 - present	Provincial Health Administration Committee, Member, Heart/Lung Working Group, Ministry of Health Ontario
2012 - present	Journal Editorial Board or Associate Editor, Specific Assigned Title / Role, Scandinavian Journal of Surgery, Elsevier
2011 - present	Prestigious Society Executive, Specific Assigned Title / Role, Vice-Chair - Section of Cardiac Surgery, Royal College of Physicians and Surgeons
2011 - 2012	Provincial Health Administration Committee, Specific Assigned Title / Role, Section Chair, Cardiac Surgery, Ontario Medical Association
2009 - present	University Committee Service, Member, Surgical Foundations Committee, University of Ottawa
2009 - 2011	Journal Editorial Board or Associate Editor, Member, Editorial Board Member, Case Reports in Medicine
2008 - 2011	Provincial Health Administration Committee, Specific Assigned Title / Role, Tariff and ViceChair, Cardiac Surgery, Ontario Medical Association
2007 - present	Prestigious Society Committee, Member, The Society of Thoracic Surgeons
2007 - present	Hospital Committee Service, Member, Postgraduate Education Committee, University of Ottawa
2007 - 2009	National Health Administration Committee, Member, Expert Advisory Committee on Blood Regulation, Health Canada
2006 - present	Regular Journal Reviewer, Specific Assigned Title / Role, Reviewer, Journal of Thoracic and Cardiovascular Society
2006	Provincial Health Administration Committee, Member, Cardiac Care Network Consensus Panel on the Future of Cardiac Surgery
2005 - present	University Research or Education Program Director, Specific Assigned Title / Role, Program Director, Residency Training Program, Cardiac Surgery, University of Ottawa

2005 - present	Hospital Committee Service, Member, Program Directors' Committee, University of Ottawa
2005 - present	Regular Journal Reviewer, Specific Assigned Title / Role, Reviewer, Canadian Journal of Cardiology
2005 - 2013	Hospital Committee Service, Member, Ottawa Heart Institute, Research Subcommittee
2005 - 2006	Research Grant Reviewer, Specific Assigned Title / Role, Clinical trials, CIHR
2005 - 2006	Regular Journal Reviewer, Perfusion
2005	Regular Journal Reviewer, Blood, Coagulation and Fibrinolysis
2005	Research Grant Reviewer, Heart and Stroke Foundation of Canada, GIA Grant Competition
2005	Research Grant Reviewer, Specific Assigned Title / Role, Heart and Stroke Foundation of Canada
2005	Hospital Committee Service, Member, Ottawa Hospital Transfusion Committee
2005	Regular Journal Reviewer, Specific Assigned Title / Role, Blood Coag Fibrinolysis
2004 - present	Journal Editorial Board or Associate Editor, Specific Assigned Title / Role, Perfusion Journal, Edward Arnold Publishers, Perfusion Journal, Sage Publishers
2004 - 2005	Research Grant Reviewer, Physicians Services Incorporated Grant Competition
2004	Research Grant Reviewer, Specific Assigned Title / Role, PSI Foundation of Canada
2004	Hospital Committee Service, Member, Ottawa Hospital Transfusion Committee
2003 - present	Regular Journal Reviewer, Canadian Journal of Cardiology
2003 - 2004	Research Grant Reviewer, Aire Research Grant Competition
2003	Research Grant Reviewer, Specific Assigned Title / Role, Aire Foundation of Canada
2003	Regular Journal Reviewer, Specific Assigned Title / Role, Can J Cardiol
2002 - 2006	Hospital Committee Service, Chair, Chairman Cardiac Surgery Mortality Committee
2002 - 2005	Hospital Committee Service, Physician Supervisor, Department of Perfusion
2002 - 2003	Hospital Committee Service, Chair, Ottawa Heart Institute Hospital Transfusion Committee
2001 - present	Hospital Committee Service, Chair, Mortality Committee
2001 - present	Hospital Committee Service, Member, Quality Assurance Committee, University of Ottawa Heart Institute at the Ottawa Civic Hospital

2001	Research Grant Reviewer, Research Proposal: Animal Care Committee - Scientific Merit reviewer
2000 - 2007	Regular Journal Reviewer, Specific Assigned Title / Role, Annals Thoracic Surgery
2000 - 2002	Research Grants Committee, Member, Clinical trials, Heart and Stroke Foundation of Canada
2000 - 2002	Research Grant Reviewer, Specific Assigned Title / Role, Heart and Stroke Foundation of Canada
2000 - 2001	Research Grant Reviewer, Heart and Stroke Foundation of Canada
2000 - 2001	Regular Journal Reviewer, Canadian Respiratory Journal
2000	Regular Journal Reviewer, Specific Assigned Title / Role, Can Resp Journal
1998 - present	Journal Editorial Board or Associate Editor, Member, Assistant Editor, Perfusion
1998 - 2001	Hospital Committee Service, Member, Ottawa Heart Institute Hospital Transfusion Committee
1997 - present	Regular Journal Reviewer, Specific Assigned Title / Role, Journal of Thoracic and Cardiovascular Surgery
1997 - present	Regular Journal Reviewer, Specific Assigned Title / Role, Canadian Journal of Cardiology
1997 - 2002	Hospital Committee Service, Member, Research Ethics Committee
1996 - 2000	Prestigious Society Executive, Member, Ontario Association of Cardiac Surgeons
1996 - 1998	University Committee Service, Member, Ottawa Heart Institute Research Corporation, Finance Sub-Committee
1995 - present	Hospital Committee Service, Member, Ottawa Heart Institute Research Corporation

Other Appointments and Activities

2014 - present	Leadership Coaching - Michael Morin (MDM Consulting) Supported by the Ottawa Hospital, I have been undergoing executive leadership coaching with Mr. Michael Morin, author of Leading Matters and executive coach to over 480 clients in Health Care and other industries. This process has involved extensive leadership testing with validated assessment tools (Myers Briggs, TAIS)
2014	Competency based training - University of Toronto
2012 - present	Editorial Advisory Board Scandinavian Journal of Surgery

- 2012 - present Development of Breaking Bad News Simulation Series
With the introduction of the CanMeds curriculum, we have had to innovate to provide appropriate venues for non-Medical Expert teaching. With the collaboration of the Surgical Education office staff, I initiated the Breaking Bad News Seminar series. We have now developed two distinct seminars to teach and assess the communicator skills of a) informing family members of patient death and 2) disclosure of untoward surgical events.
The series involves lectures on the clinical importance of the topic, breakout sessions with the residents to discuss personal experience with these topics and live patient scenarios with professional actors, during which the resident's abilities are objectively assessed using a standardized scoring system by experienced reviewers including surgeons, nurses, quality improvement managers, lay leaders, clergy and social workers. In the coming year we hope to introduce the third in the series dealing with informed consent.
- 2012 Crucial Confrontations - course (VitalSmarts)
- 2011 - present Vice Chair - Section of Cardiac Surgery, Royal College of Physicians and Surgeons of Canada
- 2011 - 2012 Section Chair - Ontario Medical Association - Cardiac Surgery
- 2011 Influencer - VitalSmarts (course)
- 2011 Crucial Conversations - course (VitalSmarts)
- 2008 - 2012 Tariff Chair/Vice-Chair Section of Cardiac Surgery, Ontario Medical Association
- 2006 Nomination for 6th Ottawa Academic Health Sciences Leadership Program.
Completion of 360 degree assessment.
- 2006 Section Chair - Cardiac Surgery
Ontario Medical Association
- 2006 6th Annual Ottawa Academic Health Sciences Leadership Program
- 2004 - present Associate Editor
Perfusion Journal

I have served on this journal as an associate editor. This commitment requires frequent journal reviews, participation in an annual European meeting, phone conferences and submissions as a review author. I am in charge of proportion of manuscript reviews whereby I have to solicit reviews, ensure their completion, review revisions, then submit recommendations on the manuscript to the chief editor. I have also taken steps to promote the journal in North America.
- 1999 - 2003 Internal Scientific Reviewer, Clinical Trials
Heart and Stroke Foundation

Internal reviewer demanded large time commitment with reviews of 10-20 operating grants annually. Meeting once annually with other clinical scientists to discuss and grade grants.