

A. IDENTIFYING DATA

Name

David Murray Greentree, M.D., FRCSC,
ABS

B. ACADEMIC HISTORY

Colleges and Universities Attended

Sep 1982 – Jun 1986	Master of medical science program, University of Alberta, Edmonton, Alberta
Sep 1984 – Jun 1988	Faculty of medicine, University of Alberta, Edmonton, Alberta Doctor of medicine
Jul 1992 – Jun 1993	Division of Surgery & Faculty of Graduate Studies Montreal General Hospital and McGill University, Montreal, Quebec M. Sc. (Experimental surgery) Thesis "Gene transfection in satellite cell transplantation for myocardial repair"
Nov 1998	Diploma of specialized studies, University of Montreal

Residency and Fellowship Training

Jul 1988 – Jun 1990	Residency-Department of Family medicine, McGill University teaching Hospital, Montreal, Quebec (PGY1-2)
Jul 1990 – Jun 1995	Residency-Department of surgery, McGill University teaching hospitals, Montreal, Quebec (PGY3-7)
Jan 1996 – Jun 1998	Residency-Cardiac surgery, Department of surgery, University of Montreal teaching Hospital, Montreal, Quebec (PGY8-9)
Jun 2011	Edwards Transcatheter Heart Valve Training Program, Columbia University hospital, New York, NY
Jan 2012	Percutaneous Aortic Valve Replacement Training Program, Montreal Heart Institute, Montreal, Quebec
Apr 2019	Advanced TAVR training Columbia University, New York, NY

Honors

- Mar 1993 McGill University-Stikeman Cardiovascular & Thoracic Surgery Research award, awarded by Dr A. R. Casteneda of the Boston Children's Hospital, Harvard University, for presentation entitled: "Myocardial Regeneration with Satellite cell transplantation"
- Jul 1994 – Jun 1995 Chief Resident, Department of Surgery, McGill University, Montreal, Quebec
- Jun 2003 Moderator 23rd meeting of Society of Cardiac Surgeons, Magog, Quebec

Board Certification

- Jul 1990 College of Physicians and Surgeons of Ontario, CA
- Jun 1990 – present Collège des Médecins du Québec (active licence : 90238)
- Jun 1990 – present College of Family Physicians of Canada (609966)
- April 1990 Licentiate of Medical Council of Canada (69448)
- Sep 1995 Certification in General surgery, Royal College of Physicians and Surgeons of Canada and Collège des Médecins du Québec
- Sep 1995 – present Fellow of the Royal College of Physicians and Surgeons (General Surgery 449725)
- Sep 1995 – present Collège des Médecins du Québec, certification in general surgery (90238)
- Sep 1997 Certification American Board of General Surgery
- Sep 1997 – present American Board of Surgery (051960)
- Jun 1998 Certification in Cardiac Surgery, Royal College of Physicians and Surgeons of Canada
- Jun 1998 – present Fellow of the Royal College of Physicians and Surgeons (Cardiac Surgery 449725)
- Oct 1998 Certification in Cardiovascular and Thoracic Surgery, Collège des Médecins de Québec

Oct 1998 – present Collège des Médecins du Québec, certification in cardiovascular and thoracic surgery (90238)

C. Employment

Academic Appointments:

Aug 1998 – present Active member and clinical professor
Division cardiovascular surgery
University of Sherbrooke Health Sciences
Center, Sherbrooke, Qc, Ca

Oct 2013 – present Active staff member
Division cardiovascular surgery
Jewish General Hospital McGill University
Montreal, Qc, Ca

Other Appointments:

Jul 2001 –Jun 2003 Member of the patient based
cardiopulmonary services program
University of Sherbrooke Health Sciences
Center, Sherbrooke, Qc, Ca

Sep 2005 –Jun 2006 Critical care evaluation subcommittee
University of Sherbrooke Health Sciences
Center, Sherbrooke, Qc, Ca

Nov 2011 –Oct 2013 Executive board member
Association des chirurgiens cardio-
vasculaires et thoracique du Québec

D. Teaching and Clinical Care

Clinical Teaching Responsibilities

Jul 1994 – Jun 1995 Advanced Trauma Life Support Instructor
Jul 1998 – Jun 1999 Fundamental Critical Care Support Instructor, U de S,
Society of Critical Care Medicine
Jul 1998 – present Anesthesia and surgery residents, teaching
Jul 1998 – present Clinical instructor, University of Sherbrooke
Jan 2000 –Dec 2000 Tutor: first assistant program, University of Québec
(Martine DeVillers, Roch Guertin and Claude Pouliot)
Jul 1998 – present Faculty consultant, Center of continuing education in
University of Sherbrooke
Jul 1998 – present Medical students cardiovascular rotation CCVT trainees

Sep 1998 – Jun 2000	Objective clinical examination instructor (ECOS), medical students Faculty of medicine University of Sherbrooke, Qc, Ca
Jan 2002 – Dec 2002	Instructor operating room assistant program University of Quebec
July 1999 – June 2002	Instructor cardiopulmonary module 2 nd year medical students
May 2020	Presentation for clinical procedures for safer patient care with chest tube drainage systems; ICU nursing staff, CHUS, Sherbrooke, Qc, Ca
Nov 2020	Cardiothoracic anatomy dissection course Faculty of medicine University of Sherbrooke, Qc, Ca

Hospital or Affiliated Institution Appointments

Jul 1998 – present	Clinical professor and staff cardiac surgeon, University of Sherbrooke health Sciences Center (CHUS)
Jul 1998 – present	Active member and clinical professor, Division cardiovascular surgery, CHUS
Nov 2013 – present	Active staff member, Division cardiovascular surgery, Jewish General Hospital McGill University, Montreal, Qc, Ca

Hospital and Health Care Organization Service Responsibilities

Jul 1998	Morbidity and Mortality Review Committee, CHUS, Sherbrooke, Qc, Ca
Jul 1998 – present	Committee for development of pre and post op protocols for clinical trajectory cardiac patients
Sep 2000	Subcommittee for evaluation of cardiovascular services
Jul 2000 – Jun 2009	Member of kidney transplant teams
Jul 2000 – present	Member of medical/surgery committee for evaluation of complex cardiovascular cases
Jul 2010 – Jun 2011	Committee of lung cancer therapies-Thoracic oncology group University of Sherbrooke, Qc, Ca
Jul 2011 – present	Founding member for Cardiac provincial data base, Qc, Ca
Jul 2011 – present	Founding member TAVR program CHUS, Sherbrooke, Qc, Ca

Major Administrative Responsibilities or Committee Assignments

Nov 2005 – Nov 2017	Chief of cardiac surgery, University of Sherbrooke Health Sciences Center (CHUS)
Nov 2017-Mar 2019	Clinical care coordinator for cardiac surgery. Responsible for call list, waiting list, OR and case distribution

E. Public and Professional Service

Professional Societies

Jul 1998 – present Member of the Association of cardiovascular and thoracic surgeons of Quebec (ACCVTQ)

Community Service Related to Professional Work

Oct 2015 Medical legal advisor for McCarthy Tétrault
Jan 2015 – May 2017 Medical advisor in association with Professor Gonzalez of UNAN and Dr Yamilet of CARITAS, for SASI à l'étranger. groups of nursing students and Teachers of CFP 24-Juin, Sherbrooke, Qc, Ca
May 2018 Humanitarian missions (3), Managua, Nicaragua.
Medical advisor for SASI à l'étranger, a group of nursing students and teachers of CFP 24-Juin, Sherbrooke, Qc, Ca
Humanitarian mission (1), Antigua, Guatemala.

F. Post-Degree Honors and Awards,

Jul 2010 First successful implantation of an artificial lung machine (Novalung) in the province of Quebec at CHUS

G. Research

Sep 2012 Research project : TRICS II – Transfusion conditions in cardiac surgery
Jul 2012 Research project : ATTACK – Transfusions prior to a cardiac surgery for anemic patients to protect kidney function
Jun 2012 Research project: Normosat – Feasibility study on maintaining normal oxygen cerebral saturation in high risk cardiac surgeries
Sep 2011 Research project: CORONARY – Comparative study on pump and off pump heart bypass demonstrating benefits of off pump cardiac surgery
Jul 2010 Research project : CLINICAL STUDY PROTOCOL DEX-10-03 – Phase 4, Open-Label Study Evaluating the Hemodynamic Effect of Differing Loading Regimens of Precedex in a Post-Surgical Intensive Care Patient Population
Feb 2007 Research project : MEND CABG II – Medicure, International Inc. MC-1, A randomized, double-blind, placebo-controlled, multi-

center study to Evaluate the cardioprotective effects of MC-1 in patients undergoing high-risk coronary artery bypass graft (CABG) surgery

- Mar 2002 BART - Blood conservation using antifibrinolytics: randomized trial in high risk cardiac surgery
- Aug 2001 Research project : Ischemic management with Accupril post-bypass graft via inhibition of converting enzyme "Imagine". Evaluation of the effects of 12 to approximately 36 months treatment with Quinapril 40 mg q.i.d. post CABG Surgery on ischemic events. (Multicenter study) Principal investigator at the University of Sherbrooke Health Sciences Center (CHUS).
- Aug 2000 Electrophysiologic properties of the sarcoplasmic reticulum in human atrial cells. Co-investigator with Dr Eric C. Rousseau of the University of Sherbrooke Health Sciences Center (CHUS)
- Jul 1992 – Jun 1993 Dedicated basic and clinical science research on myocardial regeneration and satellite cell implantation in injured myocardium. Thesis title: Gene transfection in satellite cell transplantation for myocardial repair. Submitted to the Faculty of Graduate Studies, McGill University, in July 1998 in partial fulfillment of the requirements of the degree of M.Sc.-Experimental Surgery
- Jun 1985 –Sep 1985 3 month research block investigating immune responses in allograft transplantation
Supervisor: Dr Wilson
Department of Immunology
University of Alberta
- Jan 2007 –Jun 2008 MEND CABG II. Medtronic, International Inc. MC-1 Protocol # 6004, A randomized, doublet-blind, placebo-controlled, multi-center study to Evaluate the cardioprotective effects of MC-1 in patients undergoing high-risk coronary artery bypass graft (CABG) surgery.

H. Bibliography

Peer-reviewed Articles

1. Off-Pump or On-Pump Coronary-Artery Bypass Grafting at 30 Days
The New England Journal of Medicine – March 26, 2012
(10.1056/NEJMoa1200388)
2. Dr Bernard Cantin, cardiologue, **Dr David Greentree**, chirurgien cardiaque,

- M. François Grenier, direction générale des services de santé et médecine universitaire, Dr Yves Langlois, chirurgien cardiaque, Dr Jean-Philippe Pelletier, cardiologue
 Utilisation des dispositifs d'assistance ventriculaire (DAV)
 La Direction des communications du ministère de la Santé et des Services sociaux du Québec – Bibliothèque et Archives nationales du Québec, 2011 – Bibliothèque et Archives Canada, 2011
3. Charles St-Arnaud, MD, Anick Godin, MD, Julie Abel, MD, **David Greentree, MD**, Daniel B. Ménard, MD, Doan Hoa Do, MD, Serge Lepage, MD
 “Cardiac Vasculitis in Patients with Inflammatory Bowel Disease: a New Manifestation of Takayasu Arteritis?”
 Centre Hospitalier Universitaire de Sherbrooke
 4. Jean L. Rouleau, van Gilst and for the IMAGINE (Ischemia Management with Accupril post-bypass Graft via Inhibition of the coNverting Enzyme) Investigators
 « Effects of Angiotensin-Converting Enzyme Inhibition in Low-Risk Patients Early After Coronary Artery Bypass Surgery »
 Circulation 2008; 117:000-0000
 5. «Efficacy and Safety of Pyridoxal 5'-Phosphate (MC-1) in High-Risk Patients Undergoing Coronary Artery Bypass Graft Surgery - The MEND-CABG II Randomized Clinical Trial»
 JAMA. 2008;299(15):(doi:10.1001/jama.299.15.joc80027)
 6. Dr Xavier M. Mueller, **Dr David Greentree**, Dr Michel Nguyen, Dr Oliver Reuthebuch and Dre Michele Genoni
 « Introduction of an OPCAB Program Aimed at Total Arterial Grafting in a Multidisciplinary Setting : Feasible and Safe ? »
 J Card Surg 2007; 22:87-94
 7. X.-M. Mueller, **D. Greentree**, D. Dorion, M. Martin, R. Duperval, D. Bérard, M. Nguyen, S. Lepage
 «Right ventricular bleeding associated with mediastinitis : a new risk factor».
 Chest, vol. 128 no 4, October, 2005 supplement, p. 269S
 8. Julie Carrier, Javier Teijeira, **David Greentree**, Sylvie Gagnon, Marie-Claude Brochu, Chantal Paulin, Serge Lepage, Michel Côté
 «A Six-Year experience with the Omnicarbon Valve in North American Patients», J Card Surg 2004; 19:432-437
 9. Félix Ayala-Paredes y **David Greentree**, «Implante epicàrdico de sondas en la estimulación biventricular», Cartas al Editor, Rev Esp Cardiol 2004; 57 (12): 1250-4

10. Luc Picard, Karel Côté, Javier Teijiera, **David Greentree**, Eric Rousseau
« Sarcoplasmic Reticulum K⁺ Channels from human and Sheep Atrial Cells
Display a Specific Electro-pharmacological Profile ». *J Mol Cell Cardiol* 34, 1163-1172 (2002)
11. **Greentree D.**, Leclerc Y., Cartier R., Hebert Y., Carrier M., Petitclerc R.,
"Clinical Results of Intraoperative Transesophageal Echo-guided repair of
Perivalvular Leaks" Vol. 51 no 8, 887-893 *Annales de chirurgie* 1997
12. Chiu R.C.J., Zibaitis A., Koa R.L., "Cellular cardiomyoplasty: myocardial
regeneration with satellite cell implantation" *Ann Thor Surg* 1995; 60:12-18
(**Greentree D., contributor**)
13. Marelli D., **Greentree D.**, Chiu R.C.J., "Beyond Transformation: Skeletal Muscle
Satellite Cell as a possible source of Neomyocardium" *B.A.M.*3(4):341-347, 1993

Papers and Posters Presented at Meetings

1. **Greentree D.**, Chiu R.C.J., "Labelling techniques in Satellite cell
Transplantation". 2nd Intl. Congress of Cell Transplant Society; St-Paul,
Minnesota, May 1994,
2. Zibaitis A., **Greentree D.**, Chiu R.C.J., "Myocardial Regeneration with Satellite
cell Implantation". 2nd Intl. Congress of Cell Transplant Society; St-Paul,
Minnesota: May, 1994
3. Cecere R., Mijangos J., **Greentree D.**, Chiu R.C.J., "Acute responses to
cardiomyoplasty. Right vs left latissimus dorsi wraps". World Symposium on
Cardiomyoplasty and Biomechanical Assist, Paris, France, May 1993
4. **Greentree D.**, Leclerc Y., Cartier R., Hebert Y., Carrier M., Petitclerc R. "Clinical
results of intraoperative Transesophageal Echo Guided Repair of Perivalvular
Leaks" (poster). Canadian Cardiovascular society Annual Meeting, Oct. 29 - Nov.
2, 1996, Montreal, Que.
5. **Greentree D.**, Leclerc Y., Cartier R., Hebert Y., Carrier M., Petitclerc R.,
"Résultats cliniques de réparation d'insuffisances périvalvulaires avec l'aide de
l'échocardiographie transesophagienne peropératoire". Journée de la recherche
1996 - Department of Surgery of the University of Montreal, Nov. 15, 1996.
6. **Greentree D.**, Leclerc Y., Cartier R., Hebert Y., Carrier M., "Chirurgie cardiaque:
Les gens de 80 ans et plus". Journée de la recherche 1996 - Département de
Chirurgie de l'Université de Montréal, Nov. 15, 1996.
7. **Greentree D.**, "Mechanical Heart Valves: Past, Present and Future". Symposium
de physiologie valvulaire. Institut de Cardiologie de Montréal, Dec. 6, 1996. Joe
Sauter, Carbomedics, USA.
8. **Greentree D.**, "Case presentation: Constrictive Pericarditis". Annual meeting
association Quebec Cardiovascular and Thoracic Surgeons, May 1996, Joliette,
Quebec.
9. **Greentree D.**, "Coronary revascularization: indications and complications".
Scientific meeting. Institute of cardiology, University of Montreal, March 21, 1996.

10. **Greentree D.**, "Myocardial protection". Scientific Meeting: Institute of Cardiology, University of Montreal, May 9, 1996.
11. **Greentree D.**, "Techniques and complications of extracorporeal circulation". Scientific Meeting; Institute of Cardiology, University of Montreal, May 30, 1996.
12. **Greentree D.**, "Cardiomyoplasty". Scientific Meeting: Institute of Cardiology, University of Montreal, August 22, 1996
13. **Greentree D.**, "Pathology of the Anterior Mediastinum and the Pericardium". Scientific Meeting: Institute of Cardiology University of Montreal, December 12, 1996.
14. **Greentree D.**, "Coronary artery - Reoperations". Scientific Meeting: Institute of Cardiology, University of Montreal, August 21, 1997.
15. **Greentree D.**, "Heart Valves-Reoperations". Scientific Meeting: Institute of Cardiology, University of Montreal, October 16, 1997.
16. **Greentree D.**, "Lung cancer: Diagnosis, Staging, and Treatment". Scientific Meeting: Thoracic Surgery Service, Maisonneuve-Rosemont Hospital, University of Montreal, February 6/13, 1997.
17. **Greentree D.**, "Esophageal Cancer: Diagnosis, Staging, and Treatment". Scientific Meeting: Thoracic Surgery Service, Maisonneuve-Rosemont Hospital, University of Montreal, March 6/7, 1997.
18. **Greentree D.**, "Superior Sulcus Tumors". Scientific Meeting: Thoracic Surgery Service, Maisonneuve-Rosemont Hospital, University of Montreal, April 3, 1997.
19. **Greentree D.**, "Thoracic Outlet Syndrome". Scientific Meeting: Thoracic Surgery Service, Maisonneuve-Rosemont Hospital, University of Montreal, May 22, 1997.
20. **Greentree D.**, "Pathology of the Trachea". Scientific Meeting: Thoracic Surgery Service, Maisonneuve-Rosemont Hospital, University of Montreal, June 5, 1997.
21. **Greentree D.**, «Ischemic Mitral Regurgitation, What's new, what to do ?». Canadian Cardiac techniques and technologies, Costa Rica, March 2005
22. Benoît Daneault, Marie-Claude Brochu, **David Greentree**, Denyse Normandin, Marianne Coutu, Serge Lepage : Comparaison entre les prothèses valvulaires mécaniques et biologiques mitrales par rapport aux taux de sténose significative à l'effort.
Journée Scientifique des résidents du Département de médecine – CHUS, Sherbrooke University, Sherbrooke, Québec, Canada, November 2006
23. Mueller X., **Greentree D.**, Dorion D., Duperval R., Bérard D., Martin M., Nguyen M., Lepage S.
« Spontaneous right ventricular rupture associated with mediastinitis : role of pericardial closure at initial operation », The European Society for Cardiovascular Surgery 54th International Congress, Athens, Greece, May 19-22, 2005
Centre Hospitalier Universitaire de Sherbrooke (CHUS), Sherbrooke, Canada
24. Mueller X., Nguyen M., **Greentree D.**, Gervais A., Harvey R., Dalery K., Lepage S., Martin M.
« Reengineering towards an off-pump coronary artery bypass program over a short time period : feasible and safe ? » The European Society for Cardiovascular Surgery 54th International Congress, Athens, Greece, May 19-22, 2005
Centre Hospitalier Universitaire de Sherbrooke (CHUS), Sherbrooke, Canada
25. X.-M. Mueller, **D. Greentree**, M. Nguyen, I. Bourdua, S. Coutu, R. Martin, S.

Lepage.

« Implementation of an arterial opcab program ». 58ème Congrès de la Société Française de Chirurgie Thoracique et Cardio-Vasculaire
CHUS, Sherbrooke, Québec – Canada

Abstracts Not Published in Other Forms

Julie Carrier, M.D.,* Javier Teijeira, M.D., Ph.D.,* David Greentree, M.D.,* Sylvie Gagnon, M.D., Marie-Claude Brochu, M.D., Chantal Paulin, M.D., Serge Lepage, M.D. and Michel Côté, M.D.

« A Six-Year Experience with the Omnicarbon Valve in North American Patients »

* Division of Cardiovascular and Thoracic Surgery and + Division of Cardiology,
Faculty of Medicine and CHUS, Sherbrooke University, Sherbrooke, Québec,
Canada