

Department of Emergency Medicine, Faculty of Medicine

December 13th, 2011

CURRICULUM VITAE

a) NAME: VAILLANCOURT, Christian, Associate Professor

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b) DEGREES

2003 MSc Epidemiology University of Ottawa 2003

1994 MD University of Montreal 1994

c) CERTIFICATES

2000 American Board of Emergency Medicine

1999 Fellow of the Royal College of Physicians of Canada (McGill Emergency Medicine)

1999 Specialist Certificate in the Province of Quebec (Emergency Medicine)

1996 Canadian College of Family Physicians

1996 License of Medical Council of Canada

2011 Tutorial for the Tri-Council Statement: Ethical Conduct for Research Involving Humans
Interagency Advisory Panel on Research Ethics, Government of Canada

2011 Review of OHRI Standard Operative Procedures – Hope Senechal

2009 International Conference on Harmonisation -Good Clinical Practice training

2008 Tutorial for the Tri-Council Statement: Ethical Conduct for Research Involving Humans
Interagency Advisory Panel on Research Ethics, Government of Canada

2005 Human Participants Protection Education for Research Teams program
Online course sponsored by the National Institutes of Health (NIH)

d) EMPLOYMENT HISTORY

Current:

2010 Senior Scientist, Ottawa Hospital Research Institute

2010 Research Chair in Emergency Cardiac Resuscitation, University of Ottawa

2010 Associate Medical Director, Regional Paramedic Program for Eastern Ontario

2009 Associate Professor, Department of Emergency Medicine, University of Ottawa

2008 Cross-appointment, Department of Epidemiology and Community Medicine

2008 Member, Faculty of Graduate and Postdoctoral Studies

2000 Active Attending, Emergency Department, The Ottawa Hospital

Previous:

2007-2010 Scientist, Ottawa Hospital Research Institute

2003-2009 Assistant Professor, Department of Emergency Medicine, University of Ottawa

2002-2007 Associate Scientist, Ottawa Health Research Institute

2000-2003 Clinical Scholar, Division of Emergency Medicine, University of Ottawa

2000-2002 Research Fellow, Master of Science (Epidemiology), University of Ottawa

1999-2000 Faculty Lecturer, Department of Family Medicine, McGill University

1999-2000 Active Attending, Jewish General Hospital, McGill University

1999-2000 Active Attending, Royal Victoria Hospital, McGill University
1997-1998 Chief Resident, McGill Emergency Medicine Program
1997-1999 Urgences Santé Corporation (Emergency Medical Service physician), Montréal

e) HONOURS

2011 Grant Innes Award, given to the top ranked abstract submitted to the annual Canadian Association of Emergency Physicians (CAEP) research competition
2011 Best Scientific Paper, European Resuscitation Council Scientific meeting, Malta
2011 Emergency Medicine Postgraduate Teacher of the Year Award
2011 2nd place winner, University of Ottawa Medical Student Research Symposium
Student: Shawn Liu; Supervisor: C. Vaillancourt
2010 Distinction award for research presentation at the International Conference on Emergency Medicine, Singapore, Malaysia.
2009 Two manuscripts considered in Top 10 for 2009 according to the National Association of Emergency Medical Service Physicians
2006 Guardian Angel Award, The Ottawa Hospital Foundation, nominated by patient for exceptional care and kindness above and beyond the call of duty.
2006 Emergency Medicine Postgraduate Teacher of the Year Award
2005 CIHR National Knowledge Translation Award, for original research performed by the members of the Canadian Cardiovascular Outcomes Research Team (CCORT) First author of one manuscript in the series.
2005 Robert E. Beamish Award, for original series of articles judged to have the greatest potential impact on cardiovascular medicine published in the Canadian Journal of Cardiology. First author of one manuscript in the series.
2004 Best Scientific Paper, National Association of Emergency Medical Services Physicians (NAEMSP) Conference, Tucson, Arizona
2003 1st and 3rd best Research Presentation, Association des médecins d'urgence du Québec, Québec City
2003 Gold Medal, National CIHR poster competition, Winnipeg
2003 Best Thesis presentation (MSc in Epidemiology), University of Ottawa
2003 Best Clinical Science Fellow Presentation, Society for Academic Emergency Medicine, Boston
2002 3rd best Research Presentation, Association des médecins d'urgence du Québec, Montréal
2002-2007 New Investigator Award, Intramural funding: Ottawa Health Research Institute/Emergency Physician Associates
2000-2002 University of Ottawa Excellence Scholarship
2000-2002 Research Fellow, Ontario Ministry of Health and Long-Term Care – Emergency Health Services Branch
1996 Nadine St-Pierre Award (National Award in Family Medicine)

f) SCHOLARLY AND PROFESSIONAL ACTIVITIES

Editorial Board

2002- Adjudicator, Canadian Association of Emergency Medicine Abstract Competition
2002- Adjudicator, Canadian Association of Emergency Medicine Grant Competition
2003-2008 Associate Editor, Canadian Journal of Emergency Medicine
2002-2008 Reviewer, Canadian Journal of Emergency Medicine

Committees

2011-	Ottawa Health Health Advisory Committee (chair)
2011-	The Ottawa Hospital Cardiopulmonary Resuscitation Committee (co-chair)
2009-	Public Health Agency of Canada – Cardiovascular Disease Surveillance Advisory Committee
2009-	Link to Life Campaign – Increasing Basic CPR in Ontario
2004-	The OPALS Prehospital Research Group Steering Committee
2004-	Ontario Base Hospital Advisory Group Data Management Sub-Committee
2002-	The Regional Heart Saver Committee
2002-	Ottawa Hospital Emergency Medicine Research Committee
2000-	Emergency Medicine Research Fellowship Committee
2007-2011	The Ottawa Hospital Cardiopulmonary Resuscitation Committee (member)
2002-2005	Canadian Association of Emergency Physicians Research Committee
1999-2000	Chair, Royal Victoria Hospital ED Research Committee
1999-2000	Jewish General Hospital ED Research Division

Membership In Professional Associations

2011-	AMO (Academy of Medicine Ottawa)
2000-	SAEM (Society for Academic Emergency Medicine)
2000-	CAEP (Canadian Association of Emergency Physicians)
2000-	CPSO (College of Physicians and Surgeons of Ontario)
2000-	OMA (Ontario Medical Association)
1999-	Fellow of The Royal College of Physicians and Surgeons of Canada
1999-	ASMUQ (Association des Spécialistes en Médecine d’Urgence du Québec)
1996-2005	Canadian College of Family Physicians
1996-2001	Collège des médecins du Québec
1995-2005	AMUQ (Association des Médecin d’Urgence du Québec)

g) GRADUATE RESEARCH PROJECT SUPERVISION

Research Fellow: 2
 Emergency Medicine Residents: 24
 Medical Students: 5

2011	Dr. Laura Francis, PGY2, FRCP, University of Ottawa
2011	Dr. Bushra Chaudry, PGY3, CCFP(EM), University of Ottawa
2011	Dr. Maggie Kisilewicz, PGY2, FRCP, University of Ottawa
2011	Dr. Raffi Adjemian, Research Fellow thesis supervisor, MSc in Evidence-Based Health Care, University of Oxford
2011	Mr. Shawn Liu, MSY1, University of Ottawa
2010	Dr. Muhammad Tashkandi, Ultrasound Fellow, FRCP, University of Ottawa
2010	Dr. Victoria Mount, PGY2, FRCP, University of Ottawa
2010	Dr. Kate Thompson, PGY2, FRCP, University of Ottawa
2010	Dr. Warren Cheung, PGY2, FRCP, University of Ottawa
2010	Dr. Amanda Flanagan, PGY3, CCFP(EM), University of Ottawa
2009	Dr. Cathie Bass, PGY3, CCFP(EM), University of Ottawa
2009	Dr. Jennifer Leppard, PGY3, CCFP(EM), University of Ottawa
2009	Dr. Khaled Alrajhi, PGY4, FRCP, University of Ottawa
2009	Mrs. Jan Jensen, paramedic Fellow, Applied Health Services Research Residency, Atlantic Regional Training Center, Nova Scotia
2009	Mrs. Jessica Tweedle, MSY1, Summer, University of Ottawa
2008	Dr. Basem Al-Bahrani, PGY2, FRCP, University of Ottawa

2008	Dr. Muhammad Tashkandi, PGY2, FRCP, University of Ottawa
2008	Dr. Bhaskar Gopalan, PGY3, CCFP(EM), University of Ottawa
2008	Dr. Edmund Kwok, PGY2, FRCP, University of Ottawa
2008	Dr. Lucas Cockburn, PGY3, CCFP(EM), University of Ottawa
2007	Dr. Faiz Al-Hrbi, PGY2, FRCP, University of Ottawa
2007	Mr. Andre Lui, MSY2, Summer, University of Ottawa
2006	Dr. Wai-Ben Wong, PGY2, Family Med, University of Ottawa
2006	Dr. Omar Al-Samh, PGY4, FRCP, University of Ottawa
2006	Dr. Majed Althagafi, PGY3, FRCPC, University of Ottawa
2006	Mrs. Ines Midzic, MSY1, Summer, University of Ottawa
2005	Mrs. Aitka Verma, MSY3, Summer, University of Ottawa
2005	Dr. Larry Norman, PGY3, CCFP(EM), University of Ottawa
2005	Dr. Steve Radke, PGY3, CCFP(EM), University of Ottawa
2003	Dr. Darryl D'Costa, PGY3, CCFP(EM), University of Ottawa
2003	Dr. Nazar Sharobim, PGY3, CCFP(EM), University of Ottawa

h) GRADUATE COURSES AND THESIS REVIEW

Department of Emergency Medicine

2004-2005 Instructor, Patient Care Simulator, University of Ottawa Heart Institute

Department of Epidemiology and Community Medicine

2010 Lecturer, Introduction to Epidemiology, University of Ottawa

2004 Lecturer, Advanced Clinical Trials, University of Ottawa

Faculty of Graduate and Postdoctoral Studies

2011 – MSc Thesis examiner

Student: Dr. Guillaume Martel

Supervisors: Dr. Dean Fergusson

Evaluating Surgical Outcomes: a Systematic Comparison of Evidence from Randomized Trials and Observational Studies in Laparoscopic Colorectal Cancer Surgery

2010 – MSc Thesis examiner

Student: Dr. Ryan Zarychanski

Supervisors: Drs. Dean Fergusson, Paul Hébert

Evaluating the Efficacy and Safety of Unfractionated Heparin in Patients Diagnosed with Sepsis

2009 – MSc Thesis proposal review

Student: Dr. Laura Gaudet

Supervisors: Drs. Mark Walker, Shi Wu Wen

Macrosomia and Related Adverse Pregnancy Outcomes: The Role of Maternal Obesity

2009 – MSc Thesis proposal review

Student: Jenna Wong, BSc

Supervisors: Drs. Carl van Walraven, Alan Forster, Monica Taljaard

Expanding the utility of the Kaiser Permanente Hospital risk adjustment methodology by adding time dependant covariates

i) FUNDING

-Total peer-reviewed funding received.....\$6,541,513.04

As Principal Investigator.....	\$1,542,769.14
-Total non-peer-reviewed funding received.....	\$86,800.00
As Principal Investigator.....	\$46,800.00

Peer-reviewed external research funding

Support Period	Title	Organization	Principal Investigator	Total Amount
2011-2012	Catalysis of new initiatives and collaborations to improve community bystander CPR rates	Canadian Institutes of Health Research, KT Canada	C. Vaillancourt	\$30,000.00
2010-2014	Evaluation of the Safety of C-Spine Clearance by Paramedics	Canadian Institutes of Health Research	C. Vaillancourt	\$424,138.00
2010-2016	Resuscitation Outcomes Consortium (ROC) Regional Clinical Center - Ottawa-OPALS-BC	U.S. National Institutes of Health (Funding renewed)	PI: I. Stiell Co-investigator C. Vaillancourt	\$2,854,439.00 (amount in US\$)
2010-2011	Improving the Safety of Patients who Present to The Emergency Department With Respiratory Distress: An Analysis of Adverse Events	The Physicians' Services Incorporated Foundation	PI: L. Calder Co-investigator C. Vaillancourt	\$39,835.00
2008-2014	Knowledge Translation Canada: A CIHR Strategic Training Initiative in Health Research	Canadian Institutes of Health Research	PI: S. Straus J. Grimshaw Co-investigator C. Vaillancourt	\$1,778,626.00
2008-2010	A Survey of Factors Associated with the Successful Recognition of Agonal Breathing and Cardiac Arrest by 9-1-1 Call Takers	Heart and Stroke Foundation of Ontario	C. Vaillancourt	\$49,000.00
2007-2010	Effectiveness of Dispatch-Assisted CPR Instructions: An Evaluation of 9-1-1 Calls	Canadian Institutes of Health Research	C. Vaillancourt	\$378,517.00
2007-2010	<i>Effectiveness of Dispatch-Assisted CPR Instructions: An Evaluation of 9-1-1 Calls</i> (Award declined in favor of CIHR funding)	<i>Heart and Stroke Foundation of Canada</i>	C. Vaillancourt	<i>(\$340,565.00)</i> <i>Award declined</i>
2007-2009	A Survey of Attitudes and Factors Associated with Successful CPR Knowledge Transfer in an Older Population Most Likely to Witness Cardiac Arrest	Heart and Stroke Foundation of Canada, partnership with CIHR	C. Vaillancourt	\$98,269.00
2005-2007	The Ontario Cardiac Arrest Registry: an integrated data system measuring and improving out-of-hospital cardiac arrest and other critically ill patient outcomes.	Canada Foundation for Innovation	C. Vaillancourt	\$196,000.00
2004-2009	Proposal to Create a Canadian Collaborative Regional Clinical Center within the Resuscitation Research Consortium	U.S. National Institutes of Health	PI: I. Stiell Co-investigator C. Vaillancourt	\$2,854,439.00 (amount in US\$)
2003-2005	The Prehospital Validation of the Canadian C-Spine Rule by Paramedics.	The Physicians' Services Incorporated Foundation	C. Vaillancourt	\$162,000.00

2003-2004	The Prehospital Validation of the Canadian C-Spine Rule by Paramedics.	Ontario Ministry of Health and Long-Term Care	C. Vaillancourt	\$58,207.62
2002-2003	Understanding and improving low bystander CPR rates: A systematic review and meta-analysis of the literature.	Canadian Association of Emergency Physicians	C. Vaillancourt	\$1,235.00
2000-2002	Research Fellowship	Ministry of Health and Long-Term Care – Emergency Health Services Branch	C. Vaillancourt	\$60,000.00

Peer-reviewed internal research funding

Support Period	Title	Organization	Principal Investigator	Total Amount
2011-2012	Comparison of bystander fatigue and CPR quality when using the 2010 continuous chest compression versus the 2005 30:2 chest compression to ventilation Resuscitation Guidelines for laymen: A randomized crossover trial.	Department of Emergency Medicine, University of Ottawa	C. Vaillancourt	\$5,000.00
2011-2012	Improving the safety of patients who present to the emergency department with respiratory distress: an analysis of adverse events – RAD Patient Safety Phase 2	Department of Emergency Medicine, University of Ottawa	PI: L. Calder Co-investigator C. Vaillancourt	\$10,000.00
2010-2011	Improving the safety of patients who present to the emergency department with respiratory distress: an analysis of adverse events – RAD Patient Safety Phase 1	Department of Emergency Medicine, University of Ottawa	PI: L. Calder Co-investigator C. Vaillancourt	\$10,000.00
2009-2010	A Survey of Factors Associated with the Successful Recognition of Agonal Breathing and Cardiac Arrest by 911 Call Takers	Department of Emergency Medicine, University of Ottawa	C. Vaillancourt	\$8,800.00
2009-2010	Use of Automatic External Defibrillator (AED) by Nurses and Respiratory Technicians During In-Hospital Cardiac Arrest	Department of Emergency Medicine, University of Ottawa	C. Vaillancourt	\$8,950.00
2008-2009	Effectiveness of Dispatch-Assisted CPR Instructions: An Evaluation of 9-1-1 Calls (Additional funds for database)	Department of Emergency Medicine, University of Ottawa	C. Vaillancourt	\$10,000.00
2008-2009	A Systematic Review of the Effectiveness of Dispatch Prearrival CPR Instructions in Improving Survival in Cardiac Arrest Patients	Department of Emergency Medicine, University of Ottawa	C. Vaillancourt	\$8,500.00
2008-2009	Evaluation of the Ottawa Aggressive Protocol for Management of Patients with Acute Atrial Fibrillation in the Emergency Department	Department of Emergency Medicine, University of Ottawa	PI: I. Stiell Co-investigator C. Vaillancourt	\$10,000.00

2007-2008	Assessment of Inter-rater Reliability for the Recognition of Agonal Breathing and Cardiac Arrest by 9-1-1 Dispatchers	Department of Emergency Medicine, University of Ottawa	C. Vaillancourt	\$10,000.00
2007-2008	The Influence of Socioeconomic Status on Survival for Out-of-Hospital Cardiac Arrest Victims Summer Studentship Program: Andre Lui	Department of Emergency Medicine, University of Ottawa	C. Vaillancourt	\$2,500.00
2006-2007	Comparison of bystander fatigue and CPR quality when using the new 30:2 versus the old 15:2 chest compression to ventilation International Guidelines: A randomized crossover trial.	Department of Emergency Medicine, University of Ottawa	C. Vaillancourt	\$10,000.00
2006-2007	Comparison of bystander fatigue and CPR quality when using the new 30:2 versus the old 15:2 chest compression to ventilation International Guidelines: A randomized crossover trial. Summer Studentship Program: Inès Midzic	Department of Emergency Medicine, University of Ottawa	C. Vaillancourt	\$1,000.00
2006-2007	Budget for the Preparation of a Grant Application to CIHR Effectiveness of Dispatch-Assisted CPR Instructions: An evaluation of 9-1-1 calls.	Department of Emergency Medicine, University of Ottawa	C. Vaillancourt	\$2,497.52
2005-2006	Effectiveness of Dispatch-Assisted CPR Instructions: An Evaluation of 9-1-1 Calls: A pilot study	Department of Emergency Medicine, University of Ottawa	C. Vaillancourt	\$10,000.00
2005-2006	Effectiveness of Dispatch-Assisted CPR Instructions: An Evaluation of 9-1-1 Calls: A pilot study Summer Studentship Program: Aikta Verma	Department of Emergency Medicine, University of Ottawa	C. Vaillancourt	\$1,000.00
2005-2006	The Influence of socioeconomic status on survival for out-of-hospital cardiac arrest.	Department of Emergency Medicine, University of Ottawa	C. Vaillancourt	\$5,450.00
2005-2006	The Impact of Television Public Service Announcements (PSA) on the Rate of Bystander CPR in the Ottawa Region.	Department of Emergency Medicine, University of Ottawa	C. Vaillancourt	\$1,705.00
2003-2004	Mock Code Simulation Training for Residents	Department of Emergency Medicine, University of Ottawa	PI: B. Weitzman Co-investigator C. Vaillancourt	\$10,400.00

Non-peer-reviewed research funding

Support Period	Title	Organization	Principal Investigator	Total Amount
2005-2006	Opportunities for Resuscitation Research in Canada	Heart and Stroke Foundation of Canada	C. Vaillancourt	\$10,000.00

2005-2006	Cardiac Arrest Surveillance in Canada: A survey of national resources.	Public Health Agency of Canada	C.Vaillancourt	\$10,000.00
2004-2005	Development of a Public Service Announcement Teaching CPR to the Community.	City of Ottawa	PI: J. Maloney Co-investigator C.Vaillancourt	\$20,000.00
2003-2004	Strengthening the Chain of Survival in the City of Ottawa	City of Ottawa	PI: J. Maloney Co-investigator C.Vaillancourt	\$20,000.00
2001-2002	Cardiopulmonary resuscitation: Improving the weakest link in the chain of survival for cardiac arrest.	Medtronic Physio-Control (unrestricted)	C.Vaillancourt	\$26,800.00

Salary Support

5. Research Chair in Emergency Cardiac Resuscitation: 2010-2015
Faculty of Medicine, University of Ottawa
4. Senior Scientist: 2010-2015
Ottawa Hospital Research Institute and the Ottawa Hospital Department of Emergency Medicine Academic Practice Plan.
3. Scientist: 2007-2010
Ottawa Hospital Research Institute and the Ottawa Hospital Department of Emergency Medicine Academic Practice Plan.
2. Young Investigator/Associate Scientist: 2002-2007
Ottawa Health Research Institute and the Ottawa Hospital Department of Emergency Medicine Academic Practice Plan.
1. Ontario Ministry of Health's: 2000-2002
Ontario Ministry of Health's Emergency Health Services Research Fellowship.

j) PUBLICATIONS

-Chapters in books.....	4
-Chapters submitted.....	0
-Papers Published in Refereed Journals.....	35
-Papers Submitted to Refereed Journals.....	3
-Abstracts in Refereed Conference Proceedings.....	98
-Major Invited Contributions and/or Technical Reports.....	2
-Letters and Editorials.....	2
-Invited presentations.....	55
International.....	.3
National.....	7
Local/Provincial.....	45

Chapters in Books

4. **Vaillancourt C.** Chapter 6: Conceiving and Formulating the Research Question. In: Harvey B.J., Lang E., Frank J.R., eds. The Research Guide: A primer for residents, other health care trainees, and Practitioners. Ottawa: Royal College of Physicians and Surgeons of Canada; 2011: 35-40.
3. **Vaillancourt C.,** Shrier I. Chapter 22: Compartment Syndrome in Section II: Approach to the Trauma Patient. Baron J., Rothrock S., Brennan J.A., Brown L., eds. Pediatric Emergency Medicine. Philadelphia: Saunders Elsevier, 2008: 194-198.

2. **Vaillancourt C.**, Stiell I.G. Chapter 24: Cardiac arrest and emergency medical services in Canada. In: Tu J.V., Ghali W.A., Pilote L., Brien S., eds. CCORT Canadian cardiovascular Atlas. Pulsus Group Inc and Institute for Clinical Evaluative Sciences, 2006 :188-197.
1. **Vaillancourt C.**: Cardiopulmonary Resuscitation: Improving the Weakest Link in the Chain of Survival for Out-of-Hospital Cardiac Arrest. National Library of Canada, 2003; 187 pages (Thesis)

Papers in Refereed Journals

2011

38. Glover B.M., Brown S.P., Morrison L., Davis D., Kudenchuk P.J., Van Ottingham L., Sears G.K., **Vaillancourt C.**, Cheskes S., Atkins D., Dorian P., and the Resuscitation Outcomes Consortium Investigators: Wide Variability in Drug Use in Out-of-Hospital Cardiac Arrest: A Report from the Resuscitation Outcomes Consortium 2011 (submitted, JACC Sept. 14th, 2011)
37. Jenson J., **Vaillancourt C.**, Tweedle J., Kasaboski A., Charette M., Grimshaw J., Brehaut J., Osmond M., Wells G.A., Stiell I.G.: Factors associated with the successful recognition of abnormal breathing and cardiac arrest by ambulance communications officers: A Qualitative Iterative Survey. (Invited to revise, Prehosp Emerg Care Oct. 31th, 2011)
36. Calder L.A., Forster A.J., Stiell I.G., Carr L.K., Perry J.J, **Vaillancourt C.**, Brehaut J.C.: Breaking new ground: mapping out the emergency department disposition decision for high acuity patients. (Invited to revise, Ann Emerg Med)
35. Stiell I.G., Brown S.P., Christenson J., Cheskes S., Nichol G., Powell J., Bigham B., Morrison L.J., Larsen J., Hess E., **Vaillancourt C.**, Davis D.P., Callaway C.W., and the Resuscitation Outcomes Consortium (ROC) Investigators. What is the Role of Chest Compression Depth during Out-of-Hospital Cardiac Arrest Resuscitation? 2011 (Accepted, Crit Care Med)
34. Calder L., Forster, A.J., Stiell I.G., Carr L., Brehaut J.C., Perry J.J., **Vaillancourt C.**, Croskerry P.: Experiential and Rational Decision Making: A survey to determine how emergency physicians make clinical decisions. 2011 (Published Electronically, Emerg Med J)
33. Alrajhi K., Woo M.Y., **Vaillancourt C.**: Test Characteristics of Ultrasonography for the Detection of Pneumothorax: A Systematic Review and Meta-analysis. Chest, 2011 Published electronically (doi:10.1378/chest.11-0131)
32. Reinier K., Thomas E., Andrusiek D.L., Aufderheide T.P., Brooks S.C., Callaway C.W., Pepe P.E., Rea T.D., Schmicker R.H., **Vaillancourt C.**, Chung S.C., for the Resuscitation Outcomes Consortium: Socioeconomic disparities in sudden cardiac arrest incidence: analysis of US and Canadian metropolitan areas within the Resuscitation Outcomes Consortium (ROC). CMAJ, 2011;183(15):1705-12.
31. **Vaillancourt C.**, Emerson-Steward S., Christenson J., Andrusiek D., Powell J., Nichol G., Cheskes S., Aufderheide T.P., Berg R., Stiell I.G., and the Resuscitation Outcomes Consortium Investigators.: The Impact of Increased Chest Compression Fraction on Return of Spontaneous Circulation for Out-of-Hospital Cardiac Arrest Patients not in Ventricular Fibrillation. Resuscitation, 2011;82(12):1501-1507.
30. Bohm K., **Vaillancourt C.**, Charette M.L., Dunford J., Castrén M.: In patients with out-of-hospital cardiac arrest, does the provision of dispatch cardiopulmonary resuscitation instructions as opposed to no instructions improve outcomes : A systematic review of the literature. Resuscitation, 2011;82(12):1490-1495.
29. **Vaillancourt C.**, Charette M.L., Bohm K., Dunford J., Castrén M.: In out-of-hospital cardiac arrest patients, does the description of any specific symptoms to the emergency medical dispatcher improve the accuracy of the diagnosis of cardiac arrest : A systematic review of the literature. Resuscitation, 2011;82(12):1483-1489.
28. **Vaillancourt C.**, Epstein N., Cheskes S., Maloney J., Stiell I.G., Christenson J., Affleck A., Travers A.H., Osmond M.H., Forgie P., Slenys J.: CAEP Position Statement on Bystander Cardiopulmonary Resuscitation. CJEM, 2011;13(5):339-346.

27. Stiell I.G., Nichol G., Leroux B.G., Rea T.D., Ornato J.P., Powell J., Christenson J., Callaway C.W., Kudenchuk P.J., Aufderheide T.P., Idris A.H., Daya M., Wang H.E., Morrison L.J., Davis D., Andrusiek D., Stephens S., Cheskes S., Schmicker R.H., Fowled R., **Vaillancourt C.**, Hostler D., Zive D., Pirralle R.G., Vilke G., Sopko G., Weisfeldt M., and the Resuscitation Outcomes Consortium (ROC) Investigators.: Resuscitation Outcomes Consortium ROC PRIMED Trial of Early Rhythm Analysis versus Later Analysis in Out-of-Hospital Cardiac Arrest. *NEJM*, 2011;365(9):787-797.
26. **Vaillancourt C.**, Charette M., Kasaboski A., Maloney J., Wells G.A., Stiell I.G. : Evaluation of the safety of C-spine clearance by paramedics : Design and methodology. *BMC Emergency Medicine*, 2011;11(1). (doi: 1471-227X/11/1)
25. **Vaillancourt C.**, Midzic I., Taljaard M., Chisamore B.: Performer fatigue and CPR quality comparing 30:2 to 15:2 compression to ventilation ratios in older bystanders: A randomized crossover trial. *Resuscitation*, 2011;82(1):51-56.

2010

24. Stiell I.G.; Dickenson G., Butterfield N.N., Clement C.M., Perry J.J., **Vaillancourt C.**, Calder L.A.: Vernakalant Hypochloride: A Novel Atria-Selective Agent for the Cardioversion of Recent Onset Atrial Fibrillation in the ED. *AEM*, 2010; 17(11):1175-1182.
23. Bulger, E.M., Susanne May, S., Brasel, K.J., Schreiber, M., Kerby, J.D., Tisherman, S.A., Newgard, C., Slutsky, A., Coimbra, R., Emerson, S., Minei, J.P., Bardarson, B., Kudenchuk, P., Baker, A., Christenson, J., Idris, A., Davis, D., Fabian, T.C., Aufderheide, T., Callaway, C., Williams, C., Banek J., **Vaillancourt, C.**, van Heest, R., Sopko, G., Hata, J.S., Hoyt, D.B., for the Resuscitation Outcomes Consortium (ROC) Investigators: Out-of-Hospital Hypertonic Resuscitation following Severe Traumatic Brain Injury: A Randomized, Placebo Controlled Trial. *JAMA*, 2010; 304(13):1455-1464.
22. Calder L.A., Forster A., Nelson M., Leclair J., Perry J., **Vaillancourt C.**, Hebert G., Cwinn A., Wells G.A., Stiell I.G.: Adverse Events Among Patients Registered in High Acuity Areas of the Emergency Department: A Prospective Cohort Study. *CJEM*, 2010;12(5):421-30.
21. Stiell I.G., Clement C., Perry J.J., **Vaillancourt C.**, Symington C., Dickinson G., Birnie D., Green M.S.: Association of the Ottawa Aggressive Protocol with Rapid Discharge of Emergency Department Patients with Recent-Onset Episodes of Atrial Fibrillation or Flutter. *CJEM*, 2010;12(3):181-91.
20. **Vaillancourt C.**, Charette M., Stiell I.G., Phillips K.R., Wells G.A. : Out-of-hospital Cardiac Arrest Surveillance in Canada : A Survey of National Resources. *CJEM*, 2010;12(2):119-126.
19. Cudnik M.T., Schmicker R., **Vaillancourt C.**, Newgard C.D., Christenson J.M., Davis D., Lowe R.A.: A Geospatial Assessment of Transport Distance and Survival to Discharge In Out Of Hospital Cardiac Arrest Patients: Implications for Resuscitation Centers. *Resuscitation*, 2010;81(5): 518-523.
18. **Vaillancourt C.**, Charette M.: In adult and pediatric patients with cardiac arrest (prehospital [OHCA]) (P), does the description of any specific symptoms to the dispatcher (I) compared with the absence of any specific description (C), improve accuracy of the diagnosis of cardiac arrest (O)? C2010 Consensus on science with treatment recommendation; peer-reviewed by the International Liaison Committee On Resuscitation (ILCOR). 19 pages.
Available electronically at: <http://www.americanheart.org/presenter.jhtml?identifier=3065174>,
and Published within: Sayer M.R., Koster R.W., Botha M., Cave D.M., Cudnik M.T., Handley A.J., Hatanaka T., Hazinski M.F., Jacobs I., Monsieurs K., Morley P.T., Nolan J.P., Travers A.H., and **Adult Basic Life Support Chapter Collaborators:** Part 5: Adult basic life support: 2010 International consensus on cardiopulmonary resuscitation and emergency cardiovascular care science with treatment recommendations. *Circulation*, 2010;122(16)S2: s298-324.

2009

17. Wong W.B., Edgar G., Liddy C., **Vaillancourt C.** : Can after-hour family medicine clinics represent an alternative to emergency departments? Survey of ambulatory patients seeking after-hour care. *Canadian Family Physician*, 2009;55:1106-7.e1-4.
16. Christenson, J., Andrusiek D., Everson-Stewart S., Kudenchuk P., Hosler D., Powell J., Callaway C.W., Bishop D., **Vaillancourt C.**, Davis D., Aufderheide T.P., Idris A., Stouffer J., Stiell I.G., Berg R., and the ROC investigators: Chest Compression Fraction Determines Survival in Patients with Out-of-hospital Ventricular Fibrillation. *Circulation*, 2009;120:1241-1247
[Top 10 paper for 2009 according to the National Association of Emergency Medical Service Physicians]
15. **Vaillancourt, C.**, Jensen, J.L., Grimshaw, J., Brehaut, J.C., Charette, M., Kasaboski, A., Osmond, M., Wells, G.A., Stiell, I.G. : A Survey of Factors Associated with the Successful Recognition of Agonal Breathing and Cardiac Arrest by 9-1-1 Call Takers: Design and Methodology. *BMC Emergency Medicine*, 2009;9:14 (doi: 10.1186/1471-227X-9-14)
14. **Vaillancourt C.**, Stiell I.G., Maloney J., Anton A.R., Bradford P., Cain E., Travers A., Stempien M., Lees M., Munkley D., Beaudoin T., Battram E., Banek J., Wells G.A., for the EMS C-Spine Study Group: The Prehospital Validation of the Canadian C-Spine Rule by Paramedics. *Ann Emerg Med*, 2009;54(5):663-671
[Top 10 paper for 2009, National Association of Emergency Medical Service Physicians]
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[Results covered by *Reuters Health - The Doctor's Channel Daily Newscast*]

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13. **Vaillancourt C.**, Grimshaw J., Brehaut J., Osmond M., Charette M., Wells G.A., Stiell I.G.: A Survey of Attitudes and Factors Associated with Successful CPR Knowledge Transfer in an Older Population Most Likely to Witness Cardiac Arrest: Design and Methodology. *BMC Emergency Medicine* 2008, 8:13 (doi:10.1186/1471-227X-8-13)
12. **Vaillancourt C.**, Charette M., Wells G.A., Stiell I.G.: Effectiveness of Dispatch-Assisted CPR Instructions: Design and Methodology. *BMC Emergency Medicine* 2008, 8:12 (doi:10.1186/1471-227X-8-12)
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9. **Vaillancourt C.**, Stiell I.G., Wells G.A.: Understanding and Improving Low Bystander CPR Rates: A Systematic Review of the Literature. *CJEM*, 2008;10(1):51-65.

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8. Stiell I.G., Clement C., Symington C., Perry J.J., **Vaillancourt C.**, Wells G.A.: Emergency Department Use of Intravenous Procainamide for Patients with Acute Atrial Fibrillation or Flutter. *Acad Emerg Med*, 2007;14(12): 1158-1164.
7. Todd KH, Ducharme J, Choiniere M, Crandall CS, Fosnocht DE, Homel P, Tanabe P, for the **PEMI study group**.: Pain in the emergency department: results of the pain and emergency medicine initiative (PEMI) multicenter study. *J Pain*, 2007;8(6):460-6.
6. **Vaillancourt C.**, Verma A., Trickett J., Crete D., Beaudoin T., Nesbitt L., Wells G.A., Stiell I.G.: Evaluating the effectiveness of dispatch-assisted CPR instructions. *Acad Emerg Med*, 2007;14(10): 877-883.
5. **Vaillancourt C.**, Kapur A: Opposition to the Use of Lidocaine in Rapid Sequence Intubation in Traumatic Brain Injury. *Ann Emerg Med*, 2007;49(1): 86-87. **[Brief report; Designated as Annals' Editors' Top Selections. Annals' editors consider these articles to be of particular interest**

to the profession. As such, they are provided in full for free access on the Web site for all readers, even those who are not ACEP members or print subscribers.]

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4. **Vaillancourt C.**, Stiell I.G., for the Canadian Cardiovascular Outcomes Research Team: Cardiac Arrest Care and Emergency Medical Services in Canada. *Can J Cardiol*, 2004;20(11): 1081-1090. **[Received Robert E. Beamish Award, and a CIHR National Knowledge Translation Award]**
3. **Vaillancourt C.**, Shrier I., Vandal A., Falk M., Rossignol M., Vernec A., Somogyi D: Acute Compartment Syndrome: How long before muscle necrosis occurs? *CJEM*, 2004;6(3):147-54.
2. **Vaillancourt C.**, Shrier I., Falk M., Rossignol M., Vernec A., Somogyi D: Quantifying Delays in the Recognition and Management of Acute Compartment Syndrome. *CJEM*, 2001;3(1):26-30.
1. **Vaillancourt C.**, Bernardin B: Airway Management "Trauma and special situations". *Médecine d'urgence*. 1998;9:29-32.

Papers in Refereed Conference Proceedings

SAEM is Society for Academic Emergency Medicine

AHA is American Heart Association

ICEM is International Conference on Emergency Medicine

CAEP is Canadian Association of Emergency Physicians

ACEP is American College of Emergency Physicians

NAEMSP is National Association of Emergency Medical Service Physicians

AMUQ is Association des Médecins d'Urgence du Québec

ERC is European Resuscitation Council

International:

50. Wang H., Syzdlo D., Stouffer J., Lin S., Carlson J., **Vaillancourt C.**, Sears G., Verbeek R., Fowler R., Idris A., Koenig K., Christenson J., Minokadeh A., Brant J., Rea T., and the ROC investigators.: Endotracheal Intubation versus Supraglottic Airway Insertion in Out-of-Hospital Cardiac Arrest. (Abstract) (Accepted at NAEMSP, Tucson, Arizona, 2012)
49. **Vaillancourt C.**, Kasaboski A., Charette M., Morrow S., Wells G.A., Stiell I.G. Impact of Dispatch-Assisted CPR Instructions on Bystander CPR and Survival Rates: A Before-After Multi-Centre Study. *Resuscitation* (Abstract) (Accepted at ERC, Malta, October, 2011) **[Awarded best presentation of the Scientific Meeting]**
48. Bohm K., **Vaillancourt C.**, Lyon R., Christiansen E., Finn J., Franek O., Jacobs I., Olasveengen T., Kurola J., Andersen M.S., Castren M.: Progress of emergency medical dispatch – an international survey. *Resuscitation* (Abstract) (Presented at ERC, Malta, October, 2011)
47. Calder L., Forster A.J., Stiell I.G., Carr L.K., Brehaut J.C., Perry J.J., **Vaillancourt C.**, Croskerry P.. "Gut" versus guidelines: how do emergency physicians make clinical decisions? (Abstract) (Presented at International Society for Quality in Healthcare. Hong Kong, 2011)
46. Calder L., Carr L.K., Forster A.J., Stiell I.G., Perry J.J., **Vaillancourt C.**, Brehaut J.C. Breaking new ground: mapping out the disposition decision for high acuity emergency patients. (Abstract) (Presented at Emergency Medicine Patient Safety Foundation, Las Vegas, Nevada, 2011)
45. Stiell I.G., Nichol G., Leroux B.G., Rea T.D., Ornato J.P., Powell J., Christenson J., Callaway C.W., Kudenchuk P.J., Aufderheide T.P., Idris A.H., Daya M., Wang H.E., Morrison L., Davis D., Andrusiek D., Stephens S., Cheskes S., Schmicker R.H., Fowler R., **Vaillancourt C. (presenter)**, Hostler D., Zive D., Pirralo R.G., Vilke G., Sopko G., Weisfeldt M., for the Resuscitation Outcomes Consortium (ROC) Investigators. Resuscitation Outcomes Consortium ROC PRIMED Trial of Early Rhythm Analysis versus Later Analysis in Out-of-Hospital Cardiac Arrest. *Resuscitation* 2010 (abstract) (Presented at NAEMSP, Bonita Springs FL, 2011)
44. Stiell I.G., Nichol G., Leroux B.G., Rea T.D., Ornato J.P., Powell J., Christenson J., Callaway C.W., Kudenchuk P.J., Aufderheide T.P., Idris A.H., Daya M., Wang H.E., Morrison L., Davis D.,

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42. Calder L., **Vaillancourt C.**, Stiell I.G., Forster A.: Does Emergency Physician Disposition Decision Making have an impact on Adverse Events (Abstract) (Presented at the International Society for Quality in Health Care, Paris, France, 2010)
41. Frank J.R., Choi S., Wiesenfeld L., Nussbaum C., Clark E., Weitzman B., Elder B., Yeung M., Kapur A., Greenberg G., **Vaillancourt C.**, Johns C., Stiell I.G.: Progression of Competence: Delphi Method of Derivation and Validation of Milestones to Guide Curriculum Development in One Academic Department. (Abstract) (Presented at the International Conference on Residency Education (ICRE) Ottawa, Canada, 2010)
40. Frank J.R., Choi S., Wiesenfeld L., Nussbaum C., Clark E., Weitzman B., Elder B., Yeung M., Kapur A., Greenberg G., **Vaillancourt C.**, Johns C., Stiell I.G.: Progression of Competence: Delphi Method of Derivation and Validation of Milestones to Guide Curriculum Development in One Academic Department. (Abstract) (Presented at the Association for Medical Education in Europe, Glasgow, Scotland, 2010)
39. Calder L., Perry J.J., **Vaillancourt C.**, Stiell I.G., Forster A.J. Does Emergency Physician Disposition Decision-Making Have an Impact on Adverse Events? (Abstract) (Presented at National Patient Safety Foundation (NPSF) Annual Patient Safety Congress Orlando, Florida, 2010)
38. Alrajhi K., Woo M.Y., **Vaillancourt C.**: Test Characteristics of Ultrasonography for the Detection of Pneumothorax: A Systematic Review and Meta-analysis. (Abstract) Presented at ICEM, Singapore, Malaysia, 2010. **[Received Distinction Award]**
37. **Vaillancourt C.**, Everson-Stewart S., Christenson J., Andrusiek D.I., Powell J., Nichol G., Cheskes S., Aufderheide R.B., Stiell I.G., and the Resuscitation Outcomes Consortium (ROC) investigators: Increased Chest Compression Fraction is Associated with Increased Return of Spontaneous Circulation in Non-ventricular Fibrillation Out-of-Hospital Cardiac Arrest Victims. Acad Emerg Med 2009;16(4)S211. (Abstract) Presented at SAEM, New Orleans, 2009.
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35. Cudnik M., Schmicker R., Thomas L., Newgard C.D., Lowe R., Christenson J., Davis D., **Vaillancourt C.**, Cook A: A Geospatial Assessment of Transport Distance and Survival to Discharge in Out of Hospital Cardiac Arrest Patients: Implications for Resuscitation Centers. Acad Emerg Med 2009;16(4)S212. (Abstract) Presented at SAEM, New Orleans, 2009.
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32. Da Ponti M.A., Stiell I.G., Tran M.L., **Vaillancourt C.**, Poirier P., Kelly P., Trickett J., Maloney J.: CPR Performance Measures of Police Officers Compared to those of Paramedics in Out-of-Hospital Cardiac Arrest. (Abstract) Presented at NAEMSP, Jacksonville, 2009.
31. Stiell I.G., Everson-Stewart S., Christenson J., Cheskes S., Powell J., Bigham B., Morrison L., Larsen J., Nichol G., Hess E., **Vaillancourt C.**, Davis D.P., Callaway C.W., and the Resuscitation Outcomes Consortium Investigators: What is the Role of Chest Compression Depth during Out-of-Hospital CPR? (Abstract) Presented at AHA, New Orleans, 2008.
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20. **Vaillancourt C.**, Lavergne F., Beaudoin T., Stiell IG : Effectiveness of a paramedic assistant on enrollment rates for prehospital research studies. *CJEM*. May 2006;8(3):S102. (Abstract) Presented at ICEM/CAEP, Halifax, 2006.
19. **Vaillancourt C.**, Stiell IG., Phillips KR., Beaudoin T., Wells GA: Dispatch-Assisted CPR Instructions in Canada: A Survey of National Resources. *CJEM*. May 2006;8(3):S102. (Abstract) Presented at ICEM/CAEP, Halifax, 2006.
18. De Maio VJ, Coyle D, Stiell IG, O'Grady K, **Vaillancourt C.**, Nesbitt L, Wells GA : Location-Specific Cost Effectiveness of Public Access Defibrillation. *CJEM*. May 2006;8(3):S16-17. (Abstract) Presented at ICEM/CAEP, Halifax, 2006.

17. Abu-Laban RB., Vu E., **Vaillancourt C.**, Shuster M : The Effect of The 2000 International Emergency Cardiac Care Guidelines on the Treatment Provided by Canadian Advanced Life Support Emergency Medical Services Systems. CJEM. May 2006;8(3):S104. (Abstract) Presented at ICEM/CAEP, Halifax, 2006.
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13. Clement C., Stiell IG., Symington C., Perry J., **Vaillancourt C.**, Wells GA: Emergency Department Use of Intravenous Procainamide for Patients with Paroxysmal Atrial Fibrillation. Acad Emerg Med. May 2006;13(5):S184-5. (Abstract) Presented at SAEM, San Francisco, 2006.
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10. De Maio VJ., Stiell IG., **Vaillancourt C.**, Wells GA., Nesbitt L., Beaudoin T., Spaite DW : The epidemiology of cardiac arrest in schools : Limited potential for PAD in a low risk setting. Acad Emerg Med. May 2004;11(5):607. (Abstract) Presented at SAEM, Orlando, 2004.
9. De Maio VJ., Stiell IG., **Vaillancourt C.**, Wells GA., Beaudoin T., Nesbitt L., Spaite D : Locations of pediatric cardiac arrest: Implications for public access defibrillation. Prehosp Emerg Care, Jan-Feb 2004;8(1):80. (Abstract) Presented at NAEMSP, Tucson, 2004. **[Best Scientific paper]**
8. **Vaillancourt C.**, Wells GA., Stiell IG., for the OPALS Study Group: Determination of Sample Size Parameters for Community Intervention Cluster Trials in Cardiac Arrest. Acad Emerg Med. May 2003;10(5):508. (Abstract) Presented at SAEM, Boston, 2003.
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6. **Vaillancourt C.**, Stiell IG., Wells GA., De Maio VJ., for the OPALS Study Group: Mathematical Model Predicting the Potential Impact of Various Community Bystander CPR Rates on Overall Survival from Cardiac Arrest. Acad Emerg Med. May 2003;10(5):503. (Abstract) Presented at SAEM, Boston, 2003. **[Best Clinical Science Fellow Presentation]**
5. **Vaillancourt C.**, De Maio VJ., Stiell IG., Wells GA., Nesbitt L., Martin MT., Cousineau D., for the OPALS Study Group: Determination of Accurate Out-of-hospital Cardiac Arrest Location in 20 Communities. Acad Emerg Med. May 2003;10(5):466. (Abstract) Presented at SAEM, Boston, 2003.
4. **Vaillancourt C.**, Kapur A., Stiell IG., Wells GA.: Safety and efficacy of intravenous lidocaine during intubation of head injury patients: A systematic review and meta-analysis. Acad Emerg Med. May 2002;9(5):403. (Abstract) Presented at SAEM, St. Louis, 2002.
3. **Vaillancourt C.**, Stiell IG., Wells GA., De Maio VJ., Nesbitt L., Martin MT., Cousineau D, for the OPALS Study Group: Predicted Impact of Citizen CPR Training on Cardiac Arrest Survival, Based

- on Location of Cardiac Arrest. Acad Emerg Med. May 2002;9(5):423. (Abstract) Presented at SAEM, St. Louis, 2002.
2. De Maio VJ., Stiell IG., Wells GA., **Vaillancourt C.**, Spaite DW., Nesbitt L., Martin MT., Cousineau D, for the OPALS Study Group: Identification of High-risk Locations of Cardiac Arrest for Optimal Implementation of Public Access Defibrillation (PAD) Programs. Acad Emerg Med. May 2002;9(5):496. (Abstract) Presented at SAEM, St. Louis, 2002.
 1. **Vaillancourt C.**, Shrier I., Falk M., Rossignol M., Vernec A., Somogyi D: A Survival Analysis of Tissue Necrosis Associated with Acute Compartment Syndrome. Ann. of Emerg. Med.(supp.) Sept. 1998;32(3):s48. (Abstract) Presented at ACEP, San Diego, USA, 1998.

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48. **Vaillancourt C.**, Kasaboski A., Tweedle J., Jensen J.L., Charette M., Grimshaw J., Brehaut J., Osmond M.H., Wells G.A., Stiell I.S. Factors Influencing the Intentions of Nurses and Respiratory Therapists to use Automated External Defibrillators During In-Hospital Cardiac Arrests: An institutional survey. CJEM Mai 2011;13(3):173 (Abstract) (**Plenary presentation** at CAEP, St. John's, Newfoundland, June, 2011) [**Grant Innes Award Recipient, given to the top ranked abstract submitted to the annual CAEP research abstract competition**]
47. **Vaillancourt C.**, Kasaboski A., Charette M., Hoad M., Larocque V., Crête D., Logan S., Lamoureux P., McBride J., Wells G.A., Stiell I.G. Effectiveness of Dispatch-assisted CPR Instructions: A Prospective Multi-centre Study. CJEM Mai 2011;13(3):182 (Abstract) (Presented at CAEP, St. John's, Newfoundland, June, 2011)
46. **Vaillancourt C.**, Charette M., Kasaboski A., Cheskes S., Wells G.A, Stiell I.G. Cardiac Arrest Diagnostic Accuracy of 9-1-1 Communication Officers: A Prospective Multi-Centre Study. CJEM Mai 2011;13(3):184 (Abstract) (Presented at CAEP, St. John's, Newfoundland, June, 2011)
45. **Vaillancourt C.**, Kasaboski A., Charette M., Morrow S., Wells G.A., Stiell I.G. Impact of Dispatch-Assisted CPR Instructions on Bystander CPR and Survival Rates: A Before-After Multi-Centre Study. CJEM Mai 2011;13(3):187 (Abstract) (Presented at CAEP, St. John's, Newfoundland, June, 2011)
44. **Vaillancourt C.**, Charette M., Jensen J.L., Tweedle J., Kasaboski A., Grimshaw J., Brehaut J., Osmond M.H., Wells G.A., Stiell I.G. Factors Associated with the Successful Recognition of Agonal Breathing and Cardiac Arrest by 9-1-1 Communications Officers: A National Survey. CJEM Mai 2011;13(3):191 (Abstract) (Presented at CAEP, St. John's, Newfoundland, June, 2011)
43. Tashkandi M., **Vaillancourt C.**, Moore S. Use of Automated External Defibrillator by Allied Health Professionals for In-hospital Cardiac Arrest: A Systematic Review. CJEM Mai 2011;13(3):188 (Abstract) (Presented at CAEP, St. John's, Newfoundland, June, 2011)
42. Chehadi W., **Vaillancourt C.**, Gatta M., Marcantonio R., Bouali R. Review of In-hospital Cardiac Arrest Care Processes and Evaluation of Time Delays Amenable to Automated External Defibrillator Use by Allied Health Professionals. CJEM Mai 2011;13(3):211 (Abstract) (Presented at CAEP, St. John's, Newfoundland, June, 2011)
41. Calder L., Perry J.J., **Vaillancourt C.**, Stiell I.G., Forster A.J. Does Emergency Physician Disposition Decision-Making Have an Impact on Adverse Events? (Abstract) (Presented at Canadian Healthcare Safety Symposium, Halifax, Nova Scotia, October, 2010)
40. Calder L., Carr K.L., Forster A.J., Stiell I.G., Perry J.J., **Vaillancourt C.**, Brehaut J.C. Breaking New Ground: Mapping out the disposition decision for high acuity emergency patients (Abstract) (Presented at Canadian Healthcare Safety Symposium, Halifax, Nova Scotia, October, 2010)
39. Calder L., Forster A.J., Stiell I.G., Carr K.L., Brehaut J.C., Perry J.J., **Vaillancourt C.**, Croskerry, P. "Gut" versus Guidelines: How do emergency physicians make clinical decisions (Abstract) (Presented at Canadian Healthcare Safety Symposium, Halifax, Nova Scotia, October, 2010)
38. **Vaillancourt C.**, Charette M.: In out-of-hospital cardiac arrest patients, does the description of any specific symptoms to the 9-1-1 dispatcher improve accuracy of the diagnosis of cardiac arrest: A

- systematic review conducted for the C2010 ILCOR Resuscitation Guidelines. CJEM Mai 2010;12(3):251 (Abstract) Presented at CAEP, Montréal, 2010.
37. **Vaillancourt C.**, Kasaboski A., Charette M., Rafat I., Brehaut J., Grimshaw J., Osmond M., Wells G.A., Stiell I.G.: Attitudes and Factors Associated with Successful CPR Knowledge Transfer in an Older Population Most Likely to Witness Cardiac Arrest: A National Survey. CJEM Mai 2010;12(3):231 (Abstract) Presented at CAEP, Montréal, 2010.
 36. Jenson J., **Vaillancourt C.**, Tweedle J., Kasaboski A., Charette M., Grimshaw J., Brehaut J., Osmond M., Wells G.A., Stiell I.G.: Factors associated with the successful recognition of agonal breathing and cardiac arrest by 9-1-1 communications officers: A Qualitative Iterative Survey. CJEM Mai 2010;12(3):233 (Abstract) Presented at CAEP, Montréal, 2010.
 35. Tweedle J., **Vaillancourt C.**, Jensen J., Kasaboski A.: Factors Influencing the Intentions of Nurses and Respiratory Therapists to use Automated External Defibrillators During In-Hospital Cardiac Arrests: A Qualitative Iterative Survey. CJEM Mai 2010;12(3):234 (Abstract) Presented at CAEP, Montréal, 2010.
 34. Alrajhi K., Woo M.Y., **Vaillancourt C.**: Test Characteristics of Ultrasonography for the Detection of Pneumothorax: A Systematic Review and Meta-analysis. CJEM Mai 2010;12(3):229 (Abstract) Presented at CAEP, Montréal, 2010.
 33. Calder L., Forster A., Perry J.J., **Vaillancourt C.**, Stiell I.G.: Does Emergency Physician Disposition Decision Making have an impact on Adverse Events. CJEM Mai 2010;12(3):245 (Abstract) Presented at CAEP, Montréal, 2010.
 32. Frank J.R., Choi S., Wiesenfeld L., Nussbaum C., Clark E., Weitzman B., Elder B., Yeung M., Kapur A., Greenberg G., **Vaillancourt C.**, Johns C., Stiell I.G.: Progression of EM Competence: Delphi Method for Derivation and Validation of Milestones. CJEM Mai 2010;12(3):233 (Abstract) Presented at CAEP, Montréal, 2010.
 31. **Vaillancourt C.**, Everson-Stewart S., Christenson J., Andrusiek D.I., Powell J., Nichol G., Cheskes S., Aufderheide R.B., Stiell I.G., and the Resuscitation Outcomes Consortium (ROC) investigators: Increased Chest Compression Fraction is Associated with Increased Return of Spontaneous Circulation in Non-ventricular Fibrillation Out-of-Hospital Cardiac Arrest Victims. CJEM Mai 2009;11(3):263 (Abstract) Presented at CAEP, Calgary, 2009.
 30. **Vaillancourt C.**, Charette M., Brehaut J., Grimshaw J., Osmond M., Wells G.A., Stiell I.G.: Attitudes and Factors Associated with Successful CPR Knowledge Transfer in an Older Population Most Likely to Witness Cardiac Arrest: A Qualitative Iterative Survey. CJEM Mai 2009;11(3):258 (Abstract) Presented at CAEP, Calgary, 2009.
 29. **Vaillancourt C.**, Charette M., Wells G.A., Stiell I.G.: Assessment of Inter-rater Reliability for the Recognition of Agonal Breathing and Cardiac Arrest by 9-1-1 Dispatchers. CJEM Mai 2009;11(3):261 (Abstract) Presented at CAEP, Calgary, 2009.
 28. Dowling S., Hess E., **Vaillancourt C.**, Wells G.A., Stiell I.G.: What is the impact of prehospital intubation on survival in patients with moderate to severe traumatic brain injury? CJEM Mai 2009;11(3):265 (Abstract) Presented at CAEP, Calgary, 2009.
 27. Kwok E., **Vaillancourt C.**: Anaphylaxis, Allergic Reactions, and Biphasic Reactions in the ED: A Retrospective Chart Review. CJEM Mai 2009;11(3):278 (Abstract) Presented at CAEP, Calgary, 2009.
 26. Albahrani B., Woo M., **Vaillancourt C.**: Test Characteristics and Utility of Focused Assessment with Sonography for Trauma (FAST). CJEM Mai 2009;11(3):291 (Abstract) Presented at CAEP, Calgary, 2009.
 25. Lui A., **Vaillancourt C.**, De Maio V.J., Wells G.A., Stiell I.G.: Socioeconomic Status Influences Bystander CPR and Survival Rates for Out-of-Hospital Cardiac Arrest Victims. CJEM May 2008;10(3):264 (Abstract) Presented at CAEP, Ottawa, 2008.
 24. Stiell I.G., Clement C., **Vaillancourt C.**, Perry J., Symington C., Dickinson G.: The Ottawa Aggressive Protocol Leads to Rapid Discharge of ED Patients with Acute Atrial Fibrillation CJEM May 2008;10(3):261 (Abstract) Presented at CAEP, Ottawa, 2008.

23. Stiell IG, **Vaillancourt C**, Clement C, Perry J, Symington C, Dickinson G. Do Rate Control Drugs Increase the Likelihood of Successful Cardioversion in Acute Atrial Fibrillation? CJEM May 2008;10(3):287 (Abstract) Presented at CAEP, Ottawa, 2008.
22. Midzic I., **Vaillancourt C.**, Taljaard M., Chisamore B: Fatigue and Quality of CPR by Older Bystanders Using the New 30:2 Chest Compression to Ventilation Guidelines: A Randomized Cross-over Trial. CJEM. May 2007;9(3):185 (Abstract) Presented at CAEP, Victoria, 2007.
21. **Vaillancourt C.**, Stiell IG., Beaudoin T., Maloney J., Anton AR., Bradford P., Cain E., Stempien M., Lees M., Munkley D., Battram E., Banek J., Wells GA., for the EMS C-Spine Study Group: The Prehospital Validation of the Canadian C-Spine Rule by Paramedics. CJEM. May 2007;9(3):192 (Abstract) Presented at CAEP, Victoria, 2007.
20. **Vaillancourt C.**, Hale K., Stiell IG., Wells GA: Television Public Service Announcements Improve Bystander CPR Rates. CJEM. May 2007;9(3):184 (Abstract) Presented at CAEP, Victoria, 2007.
19. Stiell IG, Clement CM, Dickinson G, Symington C, Perry JJ, **Vaillancourt C**. The Ottawa aggressive protocol for ED management of acute atrial fibrillation. CJEM. May 2007;9(3):185 (Abstract). Presented at CAEP, Victoria, 2007.
18. **Vaillancourt C.**, Stiell IG: Cardiac Arrest Care and Emergency Medical Services in Canada. CJEM. May 2005;7(3):197-198.(Abstract) Presented at CAEP, Edmonton, 2005.
17. De Maio VJ., Stiell IG., **Vaillancourt C.**, Wells GA., Spaite DW Nesbitt L : Locations of pediatric cardiac arrest: Implications for public access defibrillation. CJEM. May 2004;6(3):174-5. (Abstract) Presented at CAEP/AMUQ, Montréal, 2004.
16. De Maio VJ., Stiell IG., **Vaillancourt C.**, Wells GA., Nesbitt L., Beaudoin T., Spaite DW : The epidemiology of cardiac arrest in schools : Limited potential for PAD in a low risk setting. CJEM. May 2004;6(3):173. (Abstract) Presented at CAEP/AMUQ, Montréal, 2004.
15. De Maio VJ., **Vaillancourt C.**, Stiell IG., Wells GA., Nesbitt L., Cousineau D., for the OPALS Study group : Une mesure utilitaire pour guider la distribution des programmes de défibrillation par le public. Archives de la médecine d'urgence québécoise. Hiver 2004;1(2):5 (Abstract) Presented at AMUQ, Québec, 2003. **[Best Scientific paper]**
14. **Vaillancourt C.**, Wells GA., Stiell IG., for the OPALS Study group: Détermination des paramètres pour le calcul d'échantillonnage en recherche communautaire de groupe en arrêt cardiaque. Archives de la médecine d'urgence québécoise. Hiver 2004;1(2):12 (Abstract) Presented at AMUQ, Québec, 2003.
13. **Vaillancourt C.**, Stiell IG., Wells GA : Comprendre et améliorer le bas taux de RCR par un citoyen: Une revue systématique de la littérature. Archives de la médecine d'urgence québécoise. Hiver 2004;1(2):8 (Abstract) Presented at AMUQ, Québec, 2003. **[3rd Best Scientific paper]**
12. **Vaillancourt C.**, Shrier I., Vandal A., Falk M., Rossignol M., Verneq A., Somogyi D : Syndrome Aigu du Compartiment: Combien de temps avant la nécrose musculaire? Archives de la médecine d'urgence québécoise. Hiver 2004;1(2):21 (Abstract) Presented at AMUQ, Québec, 2003.
11. **Vaillancourt C.**, Stiell IG., Wells GA: Understanding and Improving Low Bystander CPR Rates: A Systematic Review of the Literature. CJEM. Mai 2003;5(3):180. (Abstract) Presented at CAEP, Winnipeg, 2003.
10. **Vaillancourt C.**, Wells GA., Stiell IG., for the OPALS Study Group: Determination of Sample Size Parameters for Community Intervention Cluster Trials in Cardiac Arrest. CJEM. Mai 2003;5(3):182. (Abstract) Presented at CAEP, Winnipeg, 2003.
9. De Maio VJ., Stiell IG., **Vaillancourt C.**, Wells GA., for the OPALS Study Group : A Location-specific Utility Measure to Guide the Distribution of Public Access Defibrillation (PAD) Programs within the Community. CJEM. Mai 2003;5(3):198. (Abstract) Presented at CAEP, Winnipeg, 2003.
8. **Vaillancourt C.**, Stiell IG., Wells GA., De Maio VJ., for the OPALS Study Group: Mathematical Model Predicting the Potential Impact of Various Community Bystander CPR Rates on Overall Survival from Cardiac Arrest. CJEM. Mai 2003;5(3):204. (Abstract) Presented at CAEP, Winnipeg, 2003.

7. **Vaillancourt C.**, De Maio VJ., Stiell IG., Wells GA., Nesbitt L., Maratin MT., Cousineau D., for the OPALS Study Group: Determination of Accurate Out-of-hospital Cardiac Arrest Location in 20 Communities. CJEM. Mai 2003;5(3):185. (Abstract) Presented at CAEP, Winnipeg, 2003.
6. **Vaillancourt C.**, Stiell IG., Wells GA., De Maio VJ., Nesbitt L., Martin MT., Cousineau D, pour le groupe d'étude OPALS: Impact prévisible de l'enseignement populaire de la RCR sur la survie des victimes d'arrêt cardiaque, basé sur la location des arrêts cardiaques. Médecine d'urgence. Hiver 2003;19:28. (Abstract) Presented at AMUQ conference, Montreal, 2002.
5. **Vaillancourt C.**, Kapur A., Stiell IG., Wells GA: Sécurité et efficacité de la lidocaine intraveineuse utilisée au cours de l'intubation à séquence rapide des traumatisés crâniens: Une revue systématique et méta-analyse. Médecine d'urgence. Hiver 2003;19:25. (Abstract) Presented at AMUQ conference, Montreal, 2002. [**3rd Best Scientific paper**]
4. **Vaillancourt C.**, Kapur A., Stiell IG., Wells GA : Safety and efficacy of intravenous lidocaine during intubation of head injury patients: A systematic review and meta-analysis. CJEM. March 2002;4(2):129. (Abstract) Presented at CAEP, Hamilton, 2002 and at the Ottawa University Research Day, Ottawa, 2002.
3. **Vaillancourt C.**, Stiell IG., Wells GA., De Maio VJ., Nesbitt L., Martin MT., Cousineau D, for the OPALS Study Group: Predicted Impact of Citizen CPR Training on Cardiac Arrest Survival, Based on Location of Cardiac Arrest. CJEM. March 2002;4(2):144. (Abstract) Presented at CAEP, Hamilton, 2002.
2. De Maio VJ., Stiell IG., Wells GA., **Vaillancourt C.**, Spaitte DW., Nesbitt L., Martin MT., Cousineau D, for the OPALS Study Group : Identification of High-risk Locations of Cardiac Arrest for Optimal Implementation of Public Access Defibrillation (PAD) Programs. CJEM. March 2002;4(2):131.(Abstract) Presented at CAEP, Hamilton,2002.
1. **Vaillancourt C.**, Shrier I., Falk M., Rossignol M., Vernec A., Somogyi D: Acute Compartment Syndrome: a tissue survival analysis. CJEM. Oct. 1999;1(3):190. (Abstract) Presented at CAEP/AMUQ, Quebec city, 1999 and at the McGill Research Day, Montreal, 1999.

Major Invited Contributions and/or Technical Reports

2. **Vaillancourt C.**, Stiell IG: Resuscitation Research in Canada: Overview and Summary of Scientific Knowledge Gaps and Research Opportunities. Report commissioned by the Heart and Stroke Foundation of Canada. Released in January, 2006 for the Vancouver Cardiac Arrest Research Forum.
1. **Vaillancourt C.**, Stiell IG: Cardiac Arrest Surveillance in Canada: A survey of national resources. Report commissioned by the Heart and Stroke Foundation of Canada and sponsored by the Public Health Agency of Canada. Released in March, 2005.

Letters and Editorials

2. **Vaillancourt C.**: Public Access Defibrillation. CJEM, 2002;4(1):3. (Letter)
1. **Vaillancourt C.**: Second chance. Canadian Family Physician. June 1997;43:1033-34. (Editorial)

Invited Presentations

International:

3. In adult and pediatric patients with out-of-hospital cardiac arrest, does the description of any specific symptoms to the dispatcher improve accuracy of cardiac arrest diagnosis?

International Liaison Committee On Resuscitation (ILCOR) Emergency Cardiovascular Care Meeting with Treatment Recommendation, Dallas, February 2010

2. Acute Compartment Syndrome: a limb-threatening condition
International Interdisciplinary Conference on Emergencies, Montréal, June 2005
1. Impact des soins cardiaques avancés en milieu pré-hospitalier : l'étude OPALS
International Interdisciplinary Conference on Emergencies, Montréal, June 2005

National:

7. A Survey of Attitudes and Factors Associated with Successful CPR Knowledge Transfer in an Older Population most likely to Witness Cardiac Arrest
1st HSFC Resuscitation Researcher Interaction Workshop, Ottawa, November 2008
6. Resuscitation Guidelines : An insider's perspective
CAEP national conference, Ottawa, June 2008
5. Revue systématique et méta-analyse "for dummies"
Joint CAEP/AMUQ national conference, Montreal, April 2004
4. ACR – Localisation, impacts & déterminants de la RCR et accès à la défibrillation publique
Joint CAEP/AMUQ national conference, Montreal, April 2004
3. Mise à jour sur l'investigation des céphalées
Joint CAEP/AMUQ national conference, Québec, Oct. 1999
2. Update on Headache Investigation
Joint CAEP/AMUQ national conference, Québec, Oct. 1999
1. Un second souffle; subject: CPR.
39e Assemblée scientifique annuelle du CCFP, Toronto, Mai 1997

Local / Provincial:

45. Le processus menant aux lignes directrices en réanimation de 2010
Guest Speaker, Association des Médecins Spécialistes du Québec, Montréal, Oct. 2011
44. L'immobilisation sélective du rachis cervical en milieu préhospitalier par des paramédics
Guest Speaker, Association des Médecins Spécialistes du Québec, Montréal, Oct. 2011
43. What's new in ACLS and CPR guidelines – implementation
Guest Speaker, National Capital Conference on Emergency Medicine, Ottawa, Feb. 2011
42. Canadian C-Spine : Ease Overcrowding in ED
Guest Speaker, Canadian Triage Acuity Scale: Challenges and Opportunities in the Emergency Department, Ontario Medical Association, Toronto, December 2010
41. Immobilisation cervicale pour tous...temps de remettre en question!
Guest Speaker, Paramedicine 2010, Ottawa, November 2010
40. C-Spine immobilization for all...time to reconsider!
Guest Speaker, Paramedicine 2010, Ottawa, November 2010
39. Guidelines and changes to BLS/CPR
Guest Speaker, Regional Heart Saver Committee CPR Symposium, Ottawa, November 2010
38. Scientific approach to cardiac arrest outcomes
Guest Speaker, Regional Heart Saver Committee CPR Symposium, Ottawa, November 2010
37. Conceiving a Research Question and Choosing the Appropriate Design (1.5 hrs, twice)
The Ottawa Hospital Research Institute Clinical Research Training Course, October 2010
36. Improving bystander CPR and survival rates for out-of-hospital cardiac arrest: A five-year program
OPALS annual meeting, November 2009
35. Conceiving a Research Question and Choosing the Appropriate Design (1.5 hrs, twice)
The Ottawa Hospital Research Institute Clinical Research Training Course, October 2009
34. Resuscitation/AED Research KTE Session
Guest Speaker, Heart and Stroke Foundation of Ontario, Toronto, October 2009
33. Improving bystander CPR and survival rates for out-of-hospital cardiac arrest: A five-year program

- Ottawa Hospital Research Institute, University of Ottawa, April 2009
32. What's New in Basic Resuscitation Science?
Department of Radiology (broadcasted in 2 campuses), University of Ottawa, January 2009
 31. Dispatch-Assisted CPR Study
Guest Speaker, Southwest CACC/ACS Educational Symposium, London, October 2008
 30. Lignes directrices en réanimation cardiovasculaire
Visiting Professor, 3rd Provincial research day (McGill University, Université de Montréal, Université Laval, Université Sherbrooke), Montréal, June 2008
 29. Nouvelles études en réanimation cardiovasculaire
Visiting Professor, Laval University Emergency Medicine Program, Québec city, April 2008
 28. Lignes directrices en réanimation cardiovasculaire
Visiting Professor, Laval University Emergency Medicine Program, Québec city, April 2008
 27. Mise à jour en réanimation cardiovasculaire
Guest Speaker, Journée Montfort, Montfort Hospital, Ottawa, April 2008
 26. Dispatch-Assisted CPR Study
Guest Speaker, Land Ambulance Management Group Meeting, Toronto, March 2008
 25. Does Dispatch-Assisted CPR Instructions Improve Survival?
Guest Speaker, CACC/ACS Annual Education Forum, Kingston, Feb. 2008
 24. Does Dispatch-Assisted CPR Instructions Improve Survival?
Guest Speaker, CACC/ACS Annual Education Forum and Conference, Toronto, Nov. 2007
 23. ILCOR Resuscitation Guidelines: An insider's perspective
Department of Internal Medicine (broadcasted in 4 University Centers), Ottawa, September 2007
 22. Cardiopulmonary Resuscitation – Back to Basics
The 26th Annual Emergencies for Emergency Physicians Conference, Ottawa Hospital, Ottawa, February 2007 (Workshop given 3 times)
 21. Comparison of Bystander Fatigue and CPR Quality when Using the New 30:2 versus the Old 15:2 Chest Compression to Ventilation International Guidelines: A randomized cross-over trial
14th CPR Symposium, Heart Saver, Ottawa City Hall, November 2006
 20. Réanimation Cardiorespiratoire : Retour à la case départ!
Mini-école de médecine (public education), University of Ottawa, November 2006
 19. 2005 ILCOR Resuscitation Guidelines
Visiting Professor, Queen's University Emergency Program, Kingston, November 2005
 18. Let's Improve Bystander CPR Rates (2 hours)
Visiting Professor, Queen's University Emergency Program, Kingston, November 2005
 17. "Fellow" the Leader
Visiting Professor, Queen's University Emergency Program, Kingston, November 2005
 16. Does Research Support CPR?
13th CPR Symposium, Heart Saver, Ottawa City Hall, November 2005
 15. Spinal Cord Injuries
Guest Speaker, Paramedicine 2005, Ottawa, September 2005
 14. Acute Compartment Syndrome
The 24th Annual Emergencies for Emergency Physicians Conference, Ottawa Hospital, Ottawa, February 2005
 13. ER Cardioversion
12th CPR Symposium, Heart Saver, Ottawa City Hall, April 2004
 12. ER Cardioversion
The 23rd Annual Emergencies for Emergency Physicians Conference, Ottawa Hospital, Ottawa, February 2004
 11. La Lidocaïne pour les traumatisés crâniens? Comment trouver la méta-réponse?
AMUQ annual meeting, Québec city, November 2003

10. Cardiopulmonary Resuscitation: Improving the Weakest Link in the Chain of Survival for Out-of-hospital Cardiac Arrest
11th CPR Symposium, Heart Saver, Ottawa City Hall, April 2003
9. Améliorer la survie des victimes d'arrêt cardio-respiratoire : La RCR revisitée
AMUQ annual meeting, Montréal, October 2002
8. Improving survival to cardiac arrest: A research program
Visiting Professor, McGill Emergency Medicine program, Montréal, March 2002
7. Principles of Systematic Review and Meta-analytic Research
The 21st Annual Emergencies for Emergency Physicians Conference, Ottawa Hospital, Ottawa, February 2002 (Workshop given 3 times)
6. Principles of Systematic Review and Meta-analytic Research
Visiting Professor, McGill Emergency Medicine program, Montréal, October 2001
5. Hypertension à l'Urgence
Joliette Hospital Annual CME Day, St-Liguori, August 1999
4. Workshop on Airway Management, Trauma and Special Situations
A Practical Course in Emergency Medicine, Montreal General Hospital Conference, Dec. 1999
3. Workshop on Airway Management, Trauma and Special Situations
A Practical Course in Emergency Medicine, Montreal General Hospital Conference, Dec. 1998
2. Workshop on Airway Management, Trauma and Special Situations
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1. Un second souffle; subject: CPR.
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Dr. Christian Vaillancourt

DATE