



Curriculum Vitae

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SECTION I: IDENTIFICATION

Name : Lavigne
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Citizenship : Canadian
Languages : Spoken/written: French and English

8 October 2020

SECTION II: EDUCATION, DIPLOMAS, FELLOWSHIPS, CONTINUING MEDICAL EDUCATION

▪ Education :

- 2013 - 2015 : Program in Insurance Medicine and Medicolegal Evaluation, University of Montreal
- 2005 - 2008 : Master in Biomedical Sciences, Université de Montréal, Canada. Thesis title : Acetabular bone conservation during hip resurfacing
- 1995 - 2000 : Residency in Orthopaedic Surgery, Programme d'Orthopédie Édouard-Samson, Université de Montréal, CANADA
- 1991 - 1995 : Medicine Degree, Université de Sherbrooke, CANADA
- 1989 - 1991 : Two years of Biochemistry, Université de Sherbrooke, CANADA

▪ Diplomas :

- 2015 : D.E.S. Évaluation médico légale, Université de Montréal
- 2008 : Master Degree (Biomedical Sciences), Université de Montréal (MSc)
- 2000 : Specialist in Orthopaedic Surgery, Université de Montréal (MD)
- 2000 : Certification of Orthopedic Surgeon, Province of Quebec
- 2000 : Fellow, Royal College of Surgeons of Canada FRCSC)
- 2000 : United States Medical Licensing Examination (USMLE)
- 1997 : Canadian Medical Council License (LMCC)
- 1995 : MD Degree, Université de Sherbrooke, Québec, Canada

▪ Fellowships :

- 07/00- 06/01 : Fellowship in Lower Limb Reconstruction, University of California in San Diego (UCSD), USA
 - 07/01- 12/01 : Fellowship in Lower Limb Reconstruction, Inselspital, Bern, Switzerland
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SECTION III : HONOURS AND PRIZES

▪ Honours :

- 2012-15 : Clinical researcher Award Junior 2, Fonds de Recherche en Santé du Québec (FRSQ). Biologic and functional evaluation of new technologies in hip arthroplasty.
- 2007-11 : Clinical researcher Award Junior 1, Fonds de Recherche en Santé du Québec (FRSQ). Biologic and functional evaluation of new technologies in hip arthroplasty.
- 2005-07 : Scholarship Master Degree, « Fonds de Recherche en Santé du Québec » (FRSQ). Acetabular bone conservation in hip resurfacing.
- 2005-06 : Scholarship Canadian Institute of Health Research (CIHR) MENTOR program
- 2004-07 : Scholarship (MSc), Department of Surgery, Université de Montréal
- 2001 : Fellow, Maurice E. Muller Foundation of North-America
- 2000 : List of Honour, Dean of the Faculty of Medicine, Université de Montréal
- 2000 : AO Foundation Clinical Fellow

▪ Prizes :

- 2019: **Best research project.** *Récupération optimisée après un remplacement articulaire de la hanche et du genou en court séjour.* Karina Pellei, Pascal-André Vendittoli, François Desmeules, Vincent Massé, Martin Lavigne, Louis-Philippe Fortier. 39e Journée de la recherche du POES et de la division d'orthopédie de l'Université de Montréal.
- 2018: **Best oral presentation** (speed presentation). *Résultats d'une nouvelle tige courte non cimentée dans la PTH.* Benjamin Puliero, William Blakeney, Martin Lavigne, Jurg Aebi, Pascal-André Vendittoli. 38e Journée de la recherche du POES et de la division d'orthopédie de l'Université de Montréal.
- 2018: **2nd Best oral presentation.** Résultats à 5 ans de prothèses de hanche en céramique de grand diamètre. Yann Beaulieu, William Blakeney, Benjamin Puliero, Vincent Massé, Martin Lavigne, Alain Roy, Pascal André Vendittoli. 38e Journée de la recherche du POES et de la division d'orthopédie de l'Université de Montréal.
- 2012: **Best poster.** *Tibia Valga in valgus knee.* Alexandre Renaud, Charles Rivières, martin Lavigne, Pascal Vendittoli. Canadian Orthopedic Association annual meeting, Ottawa, Canada
- 2010: **High scoring poster.** *Jumbo cup in revision hip arthroplasty.* Annual meeting Canadian Orthopaedic Association, Edmonton, Canada, June
- 2009: **John Charnley Award from the American Hip Society.** *Randomized trial*
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- 2009: *comparing metal-on-metal total hip arthroplasty with large diameter head and total hip resurfacing. The Annual Hip Society meeting” Las Vegas, USA*
High scoring poster. Residual groin pain 2 yrs after MoM THA, LDH THA and hip resurfacing., Annual meeting Canadian Orthopaedic Association, Whistler,
- 2009: **High scoring poster.** *Reliability and usefulness of the signs of bony integration in assessment of uncemented acetabular components in the short term follow-up period.* Annual meeting Canadian Orthopaedic Association Whistler, CB,
- 2009: **Best oral presentation.** *Hypoesthésie après PTG. Étude prospective, comparative et randomisée de l’incision cutanée latérale versus mini-médiane.* 84^{ème} meeting annuel de la SOFCOT, Paris, France.
- 2008: **Selections from recent French language Journals.** *Return to sports after total hip resurfacing and total hip arthroplasty: a randomized clinical trial.* The American Journal of Sports Medicine, Vol. 36, No. 1, p 2243
- 2008: **2nd prize (clinical research).** *Caractéristiques biomécaniques et cliniques après une prothèse totale à grand diamètre ou un resurfaçage de la hanche.* Research day of the POES. Montreal
- 2007: **Best three research projects,** *Return to sports after total hip resurfacing and total hip arthroplasty: a randomized clinical trial.* 8th EFORT Congress Florence, Italy, 11-15 May
- 2007: **Best oral presentation.** *Ions sanguins chrome cobalt associés au remplacement total et resurfaçage de la hanche.* Annual meeting of the Québec Orthopaedic Association.
- 2007: **High scoring poster.** *Ions sanguins chrome cobalt associés au remplacement total et resurfaçage de la hanche.* 35th Scientific Days of the Department of Surgery, Faculty of Medicine, Université de Montréal
- 2006: **Best poster.** *Comparaison de la restauration des amplitudes articulaires après resurfaçage et PTH lors d’une étude clinique randomisée.* SOFCOT, Paris
- 2006: **Best 3 posters.** *Acetabular bone stock conservation with a surface replacement arthroplasty: A randomized study.* 4th SICOT/SIROT International Conference. Buenos Aires, Argentina, 23-26 August.
- 2006: **Best 10 posters.** *Factors affecting hip range of motion in surface replacement arthroplasty.* Fourth SICOT/SIROT Annual International Conference. Buenos Aires, Argentina, 23-26 August.
- 2006: **Best 10 oral presentations.** *Cobalt and Chromium Ion Releases Following Implantation of High Carbon Content, Forged Metal-on-Metal, Surface Arthroplasty of the Hip..* Fourth SICOT/SIROT Annual International Conference. Buenos Aires, Argentina, 23-26 August.
- 2006: **1st prize (clinical research).** *Range of motion after hip resurfacing and THA: A single-blind randomized clinical study.* Research day of the POES. Montréal
- 2006: **1st prize (clinical research).** *Range of motion after total hip resurfacing and total hip arthroplasty: A single-blind randomized clinical study.* Annual meeting of the Québec Orthopaedic Association.
- 2006: **Best poster.** *Niveau d’activité après arthroplastie de resurfaçage de hanche et*
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- prothèse totale de hanche*. PA Vendittoli, M Lavigne, J Girard, AG Roy. SOFCOT, Paris, France
- 2006 **Best oral presentation (clinical research)**. *Metal ion release following metal-on-metal 28 mm total hip arthroplasty versus surface replacement arthroplasty: a randomized study*. S Mottard, M Lavigne, AG Roy, PA Vendittoli. 27^{eme} journée de recherche du programme d'orthopédie Édouard Samson (POES), Montreal, QC, Canada
- 2006 **Best oral presentation**. *Amplitude articulaire suite à une prothèse totale et un resurfaçage de la hanche : une étude clinique randomisée*. S Mottard, M Lavigne, AG Roy, PA Vendittoli. 27^{eme} journée de recherche du programme d'orthopédie Édouard Samson (POES), Montreal, QC, Canada
- 2006 **Best oral presentation**. *Ions sanguins chrome cobalt associés au remplacement total et resurfaçage de la hanche*. S Mottard, M Lavigne, AG Roy, PA Vendittoli. Annual Meeting of the Quebec Orthopaedics Association (QOA), Montreal, QC, Canada
- 2005: **1st prize (clinical research)**. *Range of motion after hip resurfacing and THA: A single-* au concours de Bourse de Formation en Maîtrise pour les détenteurs de Diplôme professionnel, FRSQ
- 2005: **1st prize (clinical research)**. *Range of motion after hip resurfacing and THA: A single- (recherche clinique)*. *Randomized study evaluating the benefits of local anesthetics in total knee arthroplasty*. PA Vendittoli, P Makinen, M Lavigne, M Fallaha. Annual Meeting of the Canadian Orthopaedics Residents Association Montreal, QC, Canada
- 2002: **Prix Marathon de la Société Suisse de chirurgie orthopédique**. Christopher Roeder *"Die Übereinstimmung zwischen dem Harris Hip Score und der subjektiven 60Patientenzufriedenheit nach totaler Hüftarthroplastik"* (Co-Auteurs: S. Egli, M. Lavigne, U. Müller, A. Busato (Bern))
- 2001: **Prix du meilleur travail de recherche**. *Spinal cord injury during polymethyl methacrylate fixation of the lumbar spine*. André L. Desjardins, Martin Lavigne, Josée Doyon, Claude Emond. Société de la Scoliose du Québec, Réunion annuelle.
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SECTION IV: POSITIONS, MEMBERSHIPS, COMMITTEE ACTIVITIES, STUDENT SUPERVISION

▪ **Positions:**

- 2011-20 : Associate Professor of Orthopaedic Surgery, Université de Montréal
- 2011-15 : Clinical researcher, Junior 2, FRSQ
- 2007-11 : Clinical researcher, Junior 1, FRSQ
- 2002-10 : Assistant Professor of Orthopaedic Surgery, Université de Montréal
- 2002-20 : Attending orthopaedic surgeon, Hôpital Maisonneuve-Rosemont, Montréal, Québec, Canada
- 2002-14 : Co-Director, Arthroplasty Research Unit, Hôpital Maisonneuve-Rosemont, Montréal, Québec, Canada
- 2004-06 : President of the Academic Committee, Orthopaedic Residency Program, Université de Montréal

▪ **Memberships :**

- 2012-20 : Canadian Arthroplasty Society
- 2002-20 : Québec Orthopaedic Association
- 2002-20 : Canadian Orthopaedic Association
- 1997-20 : American Academy of Orthopedic Surgeons
- 1997-20 : Royal College of Surgeons of Canada

▪ **Committee activities:**

- 2004 –20 : Quebec delegate to the Canadian Joint Replacement Registry (CJRR)
- 2006 –14 : Member, R & D Committee of the CJRR
- 2006 –12 : Membership Committee, Canadian Orthopaedic Association
- 2007 –11 : Board Member, Maurice E Mueller Foundation of North America

▪ **Student supervision 2002-2020:**

Director or co-director of 5 PhD and 12 MSc students. Supervision of 19 fellows.

SECTION V : RESEARCH ACTIVITIES

- **Research projects and Grants :**

- 1) Awards obtained from peer-reviewed organisations :**

2004-2020: over 420 00\$ received in research grants

- 2) Grants obtained from peer-reviewed organizations:**

2004-2020 : participation in several research projects

- 3) Grants obtained from independent organizations:**

2004-2020: Over 5 millions \$ received in research grants

SECTION VI: PUBLICATIONS

1) Book chapters (TOTAL 7)

2) Peer-reviewed publications (TOTAL 82):

2019: (4), 2018: (3), 2017: (3), 2016: (6), 2015: (2), 2014: (4), 2013: (8), 2012: (5),
2011: (8), 2010: (7), 2009: (7), 2008: (8), 2007: (4), 2006: (7), 2005: (2), 2004: (4)

3) Published letters to the Editor (TOTAL 5)

4) Abstracts: (TOTAL 101)

2018: (1), 2016: (3), 2015: (1), 2013: (1), 2011: (14), 2010: (3), 2009: (13), 2008: (9)
2007: (5), 2002 to 2006: 51 published abstracts

SECTION VII : PARTICIPATION TO SCIENTIFIC ACTIVITIES

- **Organizing committee: (7)**
- **Session moderator: (15)**

SECTION VIII: PRESENTATION

- **Invited speaker: (TOTAL PRESENTATIONS: 114)**

2019: (2), 2018: (2), 2015: (2), 2014: (1), 2013: (4), 2012: (3), 2011: (8), 2010: (8),
2009: (13), 2008: (14), 2007: (22)

2002-06 : International (18), national (8), regional (10) meetings

- **Scientific presentations at meetings : (TOTAL : 193)**

2019: (2), 2018: (1), 2017: (3), 2016: (1), 2015: (4), 2014: (1), 2013: (9), 2012: (11)
2011: (5), 2010: (29), 2009: (24), 2008: (16), 2007: (17)

2002-06: 26 regional, 7 national and 37 international presentations

- **Poster presentations : (TOTAL: 99)**

2016: (1), 2015: (4), 2014: (4), 2012: (7), 2011: (5), 2010: (10), 2009: (12), 2008: (8)
2007: (11), 2006: (10)

2002-05 : Regional (10), national (8) and international (9) meetings
