


**Curriculum Vitae**  
**Short version, last 5 years**  
Pascal-André Vendittoli, M.D., MSc, FRCS



<b>Last name</b>	Vendittoli
<b>First name</b>	Pascal-André
<b>Gender</b>	Male
<b>Date of birth</b>	1972-01-02
<b>Place of birth</b>	Montreal, Canada
<b>Nationality</b>	Canadian
<b>Languages spoken, read and written</b>	French and English
<b>Surgical Speciality</b>	Orthopedic Surgery
<b>Collège des Médecins du Québec</b>	1-01224-4
<b>Academic Affiliation</b>	Montreal University Surgical Department Full Professor, PTG, #93327
<b>Signature</b>	 February 1st 2021

**Summary**

I am a Professor of surgery and Clinical Researcher in orthopedic surgery at Maisonneuve-Rosemont Hospital / University of Montreal. Over the last 17 years, I also offered private services as a surgeon at the Duval Clinic. To continue the Duval clinic legacy, with my colleagues, I acquired the Duval clinic February 1<sup>st</sup> 2021. After my training in Orthopaedic Surgery, I undertook specialist training in hip and knee reconstruction for the young and active adult in Melbourne, Australia. Then, I worked with Paolo Aglietti in Florence, Italy to gain expertise in knee replacement surgery.

Aiming at offering my patients a normal quality of life and a forgotten joint replacement, I spent the last 18 years trying to find ways to improve my patients results. With my team, I developed a very effective enhanced recovery protocol allowing safer THA and TKA outpatient surgeries. In 2016, I did the first ERAS outpatient THA and TKA in Canada. In a clinical study, our protocol offered significant benefits for the patients and now I want to disseminate his experience with other teams through Enhanced Recovery Canada. I was involved in the design of different orthopedic implants and precision instruments. As a pioneer, I introduced multiple new implants and surgical technologies in the Canadian field. I am the founder and current president of the Personalized Arthroplasty Society: <https://www.personalizedarthroplasty.com/>

My principal research activities are the evaluation of new surgical techniques, new technologies and new orthopaedic implants, mainly in the framework of prospective and randomized trials. From 2006 to 2012, I was elected as Research Director of the Orthopaedics Division of Université de Montréal. In recent years, my work was presented more than 325 times at peer-reviewed congresses, and I was invited on more than 225 occasions as speaker. I published more than 135 scientific articles on hip and knee arthroplasty in peer-reviewed journals. As a Professor of Surgery at UdeM, I supervised 22 Doctors in specialized training in arthroplasty (fellowship), 15 master students, and 5 doctoral students (PhD). I am the Program Director of the postdoctoral program in hip and knee reconstruction at Montreal University.

In 2003, I received the Alexandra-Kirkley Award for the Best research by a young investigator by the Canadian Orthopaedics Association (CAO). In recognition of my research activities, since 2007, I was awarded the title of Clinical Researcher from the Fonds de la Recherche en santé du Québec (FRQS). In 2009, I won the "John Charnley Award" from the American Hip Society, the highest worldwide recognition in orthopedic surgery. In 2010, I received the Founders' medal for best basic science research work by the Canadian Orthopedic Association. In 2016, I received the "Edward Samson award", the most prestigious recognition from the Canadian Orthopedic Association. In 2019, I received the first prize "Excellence en soins" of the Fédération des médecins spécialistes du Québec.

### **Experience and employment**

2002-11 to date	Member, Department of Surgery, CIUSSS de l'Est-de-L'Île de Montréal Montreal, QC, Canada
2006-07 to date	Professor of Surgery, Department of Surgery Université de Montréal

### **Training and Degrees**

1991/09 to 1998/06	<b>Doctor of Medicine (MD)</b> Université Laval, QC, Canada
1996/07 to 2001/06	<b>Higher Education in Orthopaedics Surgery</b> Université Laval, QC, Canada
1996/06	<b>Fellow of the Royal College of Surgeons (FRCS)</b> Orthopaedic surgery
2001/07 to 2005/10	<b>Master in Biomedical Sciences (MSc)</b> Master in clinical research Université de Montréal, Montreal, QC, Canada

### **Specialized post-doctoral training**

2001/07 to 2001/12	Fellowship: clinical and research in lower limb reconstruction in young patients Melbourne Orthopedic Group, Melbourne, Australia
2002/01 to 2002/07	Fellowship in lower limb prosthetic revision Austin and Repatriation Centre, Melbourne, Australia
2002/07 to 2002/10	Fellowship in knee surgery Institute of Traumatology and Orthopaedics, Florence, Italy
2002/10	Complementary training in minimal invasive knee surgery Milan, Italy

### **University positions: Montreal University**

Professor of Surgery, Department of Surgery  
Program Director, post doctoral program in hip and knee reconstruction  
Research Director of the Orthopaedics Division (2006 to 2010)

### **Supervision of students enrolled in higher studies.**

22 Doctors in sur specialized training in arthroplasty (fellowship)  
15 Master students (MSc)  
5 Doctoral students (PhD)  
29 researchers

### **Intellectual Properties and Royalties**

**Designer: Profemur Preserve » femoral stem for Wright Medical inc.**  
Sales launch : April 2013.  
**Designer : Preserve Classic » femoral stem for Microport inc.**  
Sales launch September 2015

### **Publications List** (last 5 years)

**H Index: 36, >4800 citations**

**Editor of the textbook :** Personalized hip and knee joint replacement, Rivière, Charles, Vendittoli, Pascal-André (Eds.), Springer, Heidelberg, 2020. ISBN 978-3-030-24242-8  
<https://link.springer.com/book/10.1007/978-3-030-24243-5>

## **Book Chapters**

(total = 15, last 5y presented)

- 1- P-A Vendittoli, Angela Styhler: Metal levels as biomarkers of hip implant wear, In Biomarkers of Hip Implant Function Ed. Swiatkowska, Elsevier, in press.
- 2- Charles C.J. Rivière, Philippe Cartier, Pascal André Vendittoli: Calipered Kinematic Alignment Technique for Unicompartamental Knee Arthroplasty In Kinematic Alignment total knee replacement, Ed. Howell, in press.
- 3- W. Blakeney, J. Matta, C. Fornaseri, P-A Vendittoli: Ligament balance in TKA In: Bhandari Evidence-base Orthopaedic, second edition, Wiley-Blackwell, 2020 in press
- 4- W. Blakeney, P-A Vendittoli: Cross linked polyethylene in TKA. In: Bhandari Evidence-base Orthopaedic, second edition, Wiley-Blackwell, 2020, in press
- 5- W. Blakeney, G. Dossett, P-A Vendittoli: Kinematic Alignment in TKA. In: Bhandari Evidence-base Orthopaedic, second edition, Wiley-Blackwell, 2020 in press
- 6- C. Rivière, L. Villet, D Jeremic, P-A Vendittoli. Qu'est-ce que l'alignement cinématique des Prothèses Totale De Genou ? Conférences d'enseignement 2020. ed. Elsevier Masson. p. 89-100, 2020 ISBN 9782294772504
- 7- Abid M., Ouakrim Y., Vendittoli PA., Hagemester N., Mezghani N. (2020) Representative Knee Kinematic Patterns Identification Using Within-Subject Variability Analysis. In: Ateshian G., Myers K., Tavares J. (eds) Computer Methods, Imaging and Visualization in Biomechanics and Biomedical Engineering. CMBBE 2019. Lecture Notes in Computational Vision and Biomechanics, vol 36. Springer, Cham. [https://doi.org/10.1007/978-3-030-43195-2\\_39](https://doi.org/10.1007/978-3-030-43195-2_39)
- 8- Blakeney W.G., Epinette JA., Vendittoli PA. (2020) Reproducing the Proximal Femoral Anatomy: Large-Diameter Head THA. In: Rivière C., Vendittoli PA. (eds) Personalized Hip and Knee Joint Replacement. Springer, Cham. ISBN 978-3-030-24242-8. [https://doi.org/10.1007/978-3-030-24243-5\\_7](https://doi.org/10.1007/978-3-030-24243-5_7)
- 9- Blakeney W.G., Vendittoli PA. (2020) The Future of TKA. In: Rivière C., Vendittoli PA. (eds) Personalized Hip and Knee Joint Replacement. Springer, Cham. ISBN 978-3-030-24242-8. [https://doi.org/10.1007/978-3-030-24243-5\\_15](https://doi.org/10.1007/978-3-030-24243-5_15)
- 10- Blakeney W.G., Vendittoli PA. (2020) Restricted Kinematic Alignment: The Ideal Compromise? In: Rivière C., Vendittoli PA. (eds) Personalized Hip and Knee Joint Replacement. Springer, Cham ISBN 978-3-030-24242-8. [https://doi.org/10.1007/978-3-030-24243-5\\_17](https://doi.org/10.1007/978-3-030-24243-5_17)
- 11- Blakeney W.G., Vendittoli PA. (2020) Kinematic Alignment Total Knee Replacement with Personalized Instruments. In: Rivière C., Vendittoli PA. (eds) Personalized Hip and Knee Joint Replacement. Springer, Cham. ISBN 978-3-030-24242-8. [https://doi.org/10.1007/978-3-030-24243-5\\_25](https://doi.org/10.1007/978-3-030-24243-5_25)

## **Scientific papers in Peer Reviewed Journals**

136 papers, last 5y presented (70)

**Senior Author 60**  
**1st Author 30**  
**Co researcher 41**  
**Collaborator 5**

**7 editorials, >4700 citations**

Students under my supervision underlined

1. **Vendittoli PA**, Pellei K, Williams C, Laflamme C. Combining enhanced recovery and short-stay protocols for hip and knee joint replacements: the ideal solution. Can J Surg. 2021 Feb 3;64(1):E66-E68. doi: 10.1503/cjs.019519. <http://canjsurg.ca/64-1-e66/>
2. Laforest G, Kostretzis L, Kiss MO, **Vendittoli PA**. Restricted kinematic alignment leads to uncompromised osseointegration of cementless total knee arthroplasty. Knee Surg Sports Traumatol Arthrosc. 2021 Jan 16. <https://link.springer.com/article/10.1007%2Fs00167-020-06427-1>
3. Charles Rivière, Loic Villet, Dragan Jeremic, **Pascal-André Vendittoli**. What you need to know about kinematic alignment for total knee arthroplasty. Orthop Traumatol Surg Res. <https://doi.org/10.1016/j.otsr.2020.102773>
4. Jean-Etienne Beauchamp, **Pascal-André Vendittoli**, Janie Barry, Stéphane Pelet, Etienne L.Belzile Catastrophic failure of femoral stem modular junction when combined with metal-on-metal bearing in comparison to ceramic-on-ceramic: a retrospective cohort study. Orthop Traumatol Surg Res. <https://doi.org/10.1016/j.otsr.2020.102749>

5. Jean-Étienne Beauchamp, **Pascal-André Vendittoli**, Janie Barry, Stéphane Pelet, Etienne L. Belzile. Échec catastrophique d'une tige fémorale avec col modulaire lorsque combinée avec un couple de frottement métal-sur-métal en comparaison avec céramique-sur-céramique : une étude de cohorte rétrospective. *Revue de chirurgie orthopédique et traumatologique*
6. **Pascal-André Vendittoli**, Maged Shahin, Charles Rivière, Janie Barry, Pauline Lavoie, Nicolas Duval. Ceramic-on-Ceramic Total Hip Arthroplasty Is Superior to Metal-on-Conventional Polyethylene at 20-Year Follow-Up: a Randomised Clinical Trial. *Orthop Traumatol Surg Res*. <https://doi.org/10.1016/j.otsr.2020.102744>
7. **Pascal-André Vendittoli**, Maged Shahin, Charles Rivière, Janie Barry, Pauline Lavoie, Nicolas Duval. À plus de 20 ans, le couple céramique-céramique est supérieur au couple metal-polyéthylène dans arthroplastie totale de la hanche: un essai clinique randomisé. *Revue de chirurgie orthopédique et traumatologique*.
8. **Vendittoli PA**, Rivière C, MacDessi S. The rebirth of computer-assisted surgery. Precise prosthetic implantation should be considered when targeting individualized alignment goals in total knee arthroplasty. *Knee Surg Sports Traumatol Arthrosc*. 2020 Sep 25. doi: 10.1007/s00167-020-06295-9. Epub ahead of print. PMID: 32975623.  
**Editorial**
9. **Vendittoli Pascal-André**, Shahin Maged, Rivière Charles, Roy Alain Guy, Barry Janie, MSc; Lavigne Martin. Hip Resurfacing Compared with 28-mm Metal-on-Metal Total Hip Replacement. *The Journal of Bone and Joint Surgery - Scientific Articles*: 11 June 2020 - Publish Ahead of Print. 10.2106/JBJS.20.00030
10. **Pascal-André Vendittoli**, Charles Rivière, Lazaros Kostretzis. Improving surgical precision when targeting the wrong goal should not produce better results. E-letter on Rethinking the Value of Computer-Assisted Surgery. Commentary by Bini, Stefano A. *The Journal of Bone and Joint Surgery*. June 2020 DOI: 10.13140/RG.2.2.20933.88805.
11. Eichler D, Barry J, Lavigne M, Massé V, **Vendittoli PA**. No radiological and biological sign of trunnionosis with Large Diameter Head Ceramic Bearing Total Hip Arthroplasty after 5 years. *Orthop Traumatol Surg Res*. 2020; S1877-0568(20)30045-1. doi:10.1016/j.otsr.2019.12.015
12. Charles Rivière, William G Blakeney, **Pascal-André Vendittoli**. The 'functional alignment' technique alters knee physiology and may not achieve the goal of a forgotten joint replacement. eLetter on Annotation Functional ALignment & TKA. *BJJ*, May 2020 BJJ DOI: 10.13140/RG.2.2.30483.30249
13. Barry J, Eichler D, Robitaille R, **Vendittoli PA**. Whole blood titanium metal ion measurement reproducibility of two laboratories. *Pract Lab Med*. 2020;21:e00167. Published 2020 May 8. doi:10.1016/j.plabm.2020.e00167
14. Blakeney WG, Lavigne M, Beaulieu Y, Puliero B, **Vendittoli PA**. Mid-term results of total hip arthroplasty using a novel uncemented short femoral stem with metaphyso-diaphyseal fixation. *Hip Int*. 2020 Jan 30:1120700020903451.
15. **Vendittoli P-A**, Pellei K, Desmeules F, Lavigne M, Loubert C, Fafard J, Fortier L-P. Un programme de récupération optimisée en chirurgie d'un jour permet de réduire les complications et les coûts du remplacement articulaire de la hanche et du genou. *Revue de chirurgie orthopédique et traumatologique* 105 (2019) 813–820.
16. Blakeney WG, Epinette JA, **Vendittoli PA**. Dual mobility total hip arthroplasty: should everyone get one? *EFORT Open Rev*. 2019 Sep 3;4(9):541-547. doi:10.1302/2058-5241.4.180045. eCollection 2019 Sep. Review. PubMed PMID: 31598332; PubMed Central PMCID: PMC6771074.
17. **Vendittoli PA**, Pellei K, Desmeules F, Massé V, Loubert C, Lavigne M, Fafard J, Fortier LP. Enhanced recovery short-stay hip and knee joint replacement program improves patients outcomes while reducing hospital costs. *Orthop Traumatol Surg Res*. 2019 Oct 3. pii: S1877-0568(19)30285-3. <https://www.sciencedirect.com/science/article/pii/S1877056819302853?via%3Dihub>
18. William Blakeney, Yann Beaulieu, Marc-Olivier Kiss, Charles Rivière & **Pascal-André Vendittoli** (2019) Less gap imbalance with restricted kinematic alignment than with mechanically aligned total knee arthroplasty: simulations on 3-D bone models created from CT-scans, *Acta Orthopaedica*, DOI: 10.1080/17453674.2019.1675126. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6844385/>
19. Charles Rivière, **Pascal-André Vendittoli**. Barking up the wrong tree: mechanical alignment's surgical errors should not be confused with the kinematic alignment technique. eletter: Parker, David A. A Cautionary Note for Advocates of "Constitutional" or "Kinematic" Alignment: Commentary on an

- article by Koen T. van Hamersveld, MD, et al.: "The Effect of Coronal Alignment  
<http://dx.doi.org/10.2106/JBJS.19.00262>
20. Eichler D, Beaulieu Y, Barry J, Massé V, Vendittoli PA. Perception of a Natural Joint After Total Knee Arthroplasty. *J Arthroplasty*. 2019 Sep 27. pii: S0883-5403(19)30919-2. doi: 10.1016/j.arth.2019.09.036. [Epub ahead of print]
  21. Lavigne M, **Vendittoli PA**, Virolainen P, Corten K, Martinez M, Zicat B, Peter V, Bloem R, Miazzolo N, Remes V. Large head ceramic-on-ceramic bearing in primary total hip arthroplasty: average 3-year follow-up of a multicentre study. *Hip Int*. 2019 Jul 11:1120700019863376.
  22. Rivière C, Vigdorich JM, **Vendittoli PA**. L'Alignement mécanique, la fin d'une Ère? *Revue de Chirurgie Orthopédique et Traumatologique*.  
**Editorial**
  23. Rivière C, Vigdorich JM, **Vendittoli PA**. Mechanical alignment: The end of an era! *Orthop Traumatol Surg Res*. 2019 Aug 1. pii: S1877-0568(19)30213-0.  
**Editorial**
  24. Blakeney W, Beaulieu Y, Puliero B, Kiss MO, Vendittoli PA. Bone resection for mechanically aligned total knee arthroplasty creates frequent gap modifications and imbalances. *Knee Surg Sports Traumatol Arthrosc*. 2019 Jun 14.
  25. Hirschmann MT, Becker R, Tandogan R, **Vendittoli PA**, Howell S. Alignment in TKA: what has been clear is not anymore! *Knee Surg Sports Traumatol Arthrosc*. 2019 Jul;27(7):2037-2039.  
**Editorial**
  26. Clément J, Blakeney W, Hagemester N, Desmeules F, Mezghani N, Lowry V, **Vendittoli PA**. Hip-Knee-Ankle (HKA) angle modification during gait in healthy subjects. *Gait Posture*. 2019 May 22;72:62-68.
  27. Doiron-Cadrin P, Kairy D, **Vendittoli PA**, Lowry V, Poitras S, Desmeules F. Feasibility and preliminary effects of a tele-prehabilitation program and an in-person prehabilitation program compared to usual care for total hip or knee arthroplasty candidates: a pilot randomized controlled trial. *Disabil Rehabil*. 2019 Jan 13:1-10.
  28. Blakeney WG, Beaulieu Y, Puliero B, Lavigne M, Roy A, Massé V, **Vendittoli PA**. Excellent results of large-diameter ceramic-on-ceramic bearings in total hip arthroplasty. *Bone Joint J*. 2018 Nov;100-B(11):1434-1441.
  29. **Vendittoli PA**, Massé V, Kiss MO, Lusignan D, Lavigne M. Modular junction may be more problematic than bearing wear in metal-on-metal total hip arthroplasty. *Hip Int*. 2018 Oct 31:1120700018808696.
  30. Puliero B, Blakeney WG, Beaulieu Y, Vendittoli PA. Joint Perception After Total Hip Arthroplasty and the Forgotten Joint. *J Arthroplasty*. 2019 Jan;34(1):65-70. doi: 10.1016/j.arth.2018.09.086. Epub 2018 Oct 3.
  31. Blakeney W, Clément J, Desmeules F, Hagemester N, Rivière C, Vendittoli PA. Kinematic alignment in total knee arthroplasty better reproduces normal gait than mechanical alignment. *Knee Surg Sports Traumatol Arthrosc*. 2018 Oct 1.
  32. Puliero B, Blakeney WG, Beaulieu Y, Roy A, Vendittoli PA. Distal femoral shortening osteotomy for treatment of sciatic nerve palsy after total hip arthroplasty - a report of 3 cases. *Acta Orthop*. 2018 Oct 1:1-5.
  33. Julien Clément, Penny Toliopoulos, Nicola Hagemester, François Desmeules, Alexandre Fuentes, **Pascal-André Vendittoli**, Healthy 3D knee kinematics during gait: differences between women and men, and correlation with x-ray alignment, *Gait & Posture*, 2018, Jul;64:198-204.
  34. Décary S, Fallaha M, Belzile S, Martel-Pelletier J, Pelletier JP, Feldman D, Sylvestre MP, **Vendittoli PA**, Desmeules F. Clinical diagnosis of partial or complete anterior cruciate ligament tears using patients' history elements and physical examination tests. *PLoS One*. 2018 Jun 12;13(6)
  35. Décary S, Feldman D, Frémont P, Pelletier JP, Martel-Pelletier J, Fallaha M, Pelletier B, Belzile S, Sylvestre MP, **Vendittoli PA**, Desmeules F. Initial derivation of diagnostic clusters combining history elements and physical examination tests for symptomatic knee osteoarthritis. *Musculoskeletal Care*. 2018 May 21.
  36. Rivière C, Grappiolo G, Engh CA Jr, Vidalain JP, Chen AF, Boehler N, Matta J, **Vendittoli PA**. Long-term bone remodelling around 'legendary' cementless femoral stems. *EFORT Open Rev*. 2018 Feb 26;3(2):45-57.

37. Anderson DR, Dunbar M, Murnaghan J, Kahn SR, Gross P, Forsythe M, Pelet S, Fisher W, Belzile E, Dolan S, Crowther M, Bohm E, MacDonald SJ, Gofton W, Kim P, Zukor D, Pleasance S, Andreou P, Doucette S, Theriault C, Abianui A, Carrier M, Kovacs MJ, Rodger MA, Coyle D, Wells PS, **Vendittoli PA**. Aspirin or Rivaroxaban for VTE Prophylaxis after Hip or Knee Arthroplasty. **N Engl J Med**. 2018 Feb 22;378(8):699-707.
38. Wang HT, Fafard J, Ahern S, **Vendittoli PA**, Hebert P. Frailty as a predictor of hospital length of stay after elective total joint replacements in elderly patients. *BMC Musculoskelet Disord*. 2018 Jan 16;19(1):14.
39. Barry J, Kiss MO, Massé V, Lavigne M, Matta J, **Vendittoli PA**. Effect of Femoral Stem Modular Neck's Material on Metal Ion Release. *Open Orthop J*. 2017 Nov 29;11:1337-1344.
40. Décary S, Fallaha M, Pelletier B, Frémont P, Martel-Pelletier J, Pelletier J-P, Feldman D, Sylvestre M-P, **Vendittoli P-A**, Desmeules F. Diagnostic validity and triage concordance of a physiotherapist compared to physicians' diagnoses for common knee disorders. *BMC Musculoskeletal Disorders*, 2017 Nov 14;18(1):445.
41. Décary S, Frémont P, Pelletier B, Fallaha M, Sylvain B, Martel-Pelletier J, Jean-Pierre P, Feldman D, Marie-Pierre S, **Vendittoli PA**, Desmeules F. Validity of combining history elements and physical examination tests to diagnose patellofemoral pain. *Arch Phys Med Rehabil*. 2017 Nov 8.
42. Décary S, Fallaha M, Frémont P, Martel-Pelletier J, Pelletier J-P, Feldman D, Sylvestre M-P, **Vendittoli P-A**, Desmeules F. Diagnostic validity of combining history elements and physical examination tests for traumatic and degenerative symptomatic meniscal tears. 2018 May;10(5):472-482.
43. **P.-A. Vendittoli**, W. Blakeney, Redéfinir le remplacement articulaire du genou, *Revue de Chirurgie Orthopédique et Traumatologique*, Volume 103, Issue 7, 2017, Pages 693-695,  
**Editorial**
44. **Vendittoli PA**, Blakeney W. Redefining knee replacement (Editorial). *Orthop Traumatol Surg Res*. 2017 Nov;103(7):977-979.  
**Editorial**
45. Rivière C, Iranpour F, Auvinet E, Howell S, **Vendittoli PA**, Cobb J, Parratte S. Alignment options for total knee arthroplasty: A systematic review. *Orthop Traumatol Surg Res*. 2017 Aug 31.
46. C. Rivière, F. Iranpour, E. Auvinet, S.M. Howell, **P.A. Vendittoli**, J. Cobb, S. Parratte, Options d'alignement en arthroplastie totale du genou : une revue systématique, *Revue de Chirurgie Orthopédique et Traumatologique*, Volume 103, Issue 7, 2017, Pages 751-761
47. Lowry V, Ouellet P, **Vendittoli PA**, Carlesso LC, Wideman TH, Desmeules F. Determinants of pain, disability, health-related quality of life and physical performance in patients with knee osteoarthritis awaiting total joint arthroplasty. *Disabil Rehabil*. 2017 Jul 20:1-11.
48. Almaawi A, Massé V, Lavigne M, **Vendittoli PA**.: The impact of Mechanical and Restricted Kinematic Alignment on Knee Anatomy in Total Knee Arthroplasty, *The Journal of Arthroplasty*. 2017 Jul;32(7):2133-2140.
49. **Chapleau J**, **Vendittoli PA**. Protrusio acetabuli: a specific pincer hip disease. *J Xiangya Med* 2017.
50. Neila Mezghani, Nicola Hagemester, **Pascal-A Vendittoli**, Jacques DeGuise. Mechanical biomarkers of knee osteoarthritis diagnosis and severity grading: discovery phase. *J Biomech*. 2017 Feb 8;52:106-112.
51. Patrick Doiron-Cadrin, Dahlia Kairy, **Pascal-André Vendittoli**, Véronique Lowry, Stéphane Poitras, Francois Desmeules. Effects of a tele-prehabilitation program or an in-person prehabilitation program in surgical candidates awaiting total hip or knee arthroplasty: protocol of a pilot single blind randomized controlled trial. *Contemporary Clinical Trials Communications*. Volume 4, 15 December 2016, Pages 192–198.
52. Décary S, Ouellet P, **Vendittoli PA**, Desmeules F. Reliability of physical examination tests for the diagnosis of knee disorders: Evidence from a systematic review. *Man Ther*. 2016 Sep 23;26:172-182. *Sport*. 2016 Aug 5.
53. Décary S, Ouellet P, **Vendittoli PA**, Roy JS, Desmeules F. Diagnostic validity of physical examination tests for common knee disorders: An overview of systematic reviews and meta-analysis. *Phys Ther Sport*. 2016 Aug 5.

54. Toliopoulos P, LeBlanc MA, Hutt J, Lavigne M, Desmeules F, **Vendittoli PA**. Anatomic Versus Mechanically Aligned Total Knee Arthroplasty for Unicompartmental Knee Arthroplasty Revision. *Open Orthop J*. 2016 Jul 28;10:357-63.
55. Almaawi A, **Vendittoli PA**. Editorial : Does hip morphology predispose to femoral head osteonecrosis? *Ann Joint* 2016.  
**Editorial**
56. Seangleulur A, Vanasbodeekul P, Prapaitrakool S, Worathongchai S, Anothaisintawee T, McEvoy M, **Vendittoli PA**, Attia J, Thakkinstian A. The efficacy of local infiltration analgesia in the early postoperative period after total knee arthroplasty: A systematic review and meta-analysis. *Eur J Anaesthesiol*. 2016 Nov;33(11):816-831.
57. Lungu E, **Vendittoli PA**, Desmeules F. Preoperative Determinants of Patient-reported Pain and Physical Function Levels Following Total Knee Arthroplasty: A Systematic Review. *Open Orthop J*. 2016 Jun 23;10:213-31.
58. Renaud A, Fuentes A, Hagemeister N, Lavigne M, **Vendittoli PA**. Clinical and Biomechanical Evaluations of Staged Bilateral Total Knee Arthroplasty Patients with Two Different Implant Designs. *Open Orthop J*. 2016 May 31;10:155-65.
59. Lungu E, Maftoon S, **Vendittoli PA**, Desmeules F. A systematic review of preoperative determinants of patient-reported pain and physical function up to 2 years following primary unilateral total hip arthroplasty. *Orthop Traumatol Surg Res*. 2016 May;102(3):397-403.
60. E. Lungu, S. Maftoon, **P.-A. Vendittoli**, F. Desmeules, Revue systématique des déterminants préopératoires de la douleur et des incapacités fonctionnelles rapportées par les patients jusqu'à 2 ans suivant une arthroplastie totale de la hanche, *Revue de Chirurgie Orthopédique et Traumatologique*, Volume 102, Issue 3, 2016, Pages 286-293
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63. Hutt JR, LeBlanc MA, Massé V, Lavigne M, **Vendittoli PA**. Kinematic TKA using navigation: Surgical technique and initial results. *Orthop Traumatol Surg Res*. 2016 Feb;102(1):99-104.
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**Publications in non peered review medias** (last 5 y presented)

1. 9 Flaws of Mechanical Alignment Total Knee Arthroplasty  
Educational Video: 23min53, 2020, >2000 views  
VuMedi <https://www.vumedi.com/channel/personalized-arthroplasty-society/tab/total-knee-replacement/video/9-flaws-of-mechanical-alignment-total-knee-arthroplasty/>  
Personalized Arthroplasty Society You tube Chanel : <https://youtu.be/-kUZmG4Z26A>
2. Collateral ligaments laxities and balance in total knee arthroplasty  
Educational Video : 15min55, 2020, >1400 views  
VuMedi : <https://www.vumedi.com/channel/personalized-arthroplasty-society/tab/total-knee-replacement/video/collateral-ligaments-laxities-and-balance-in-total-knee-arthroplasty/>  
Personalized Arthroplasty Society You Tube Chanel : <https://www.youtube.com/watch?v=tgTfR-kXUK8>
3. The 5 Principles to Perform Restricted Kinematic Alignment Total Knee Arthroplasty Educational video : 17min33, 2020, >2000 views  
VuMedi : <https://www.vumedi.com/channel/personalized-arthroplasty-society/tab/total-knee-replacement/video/the-5-principles-to-perform-restricted-kinematic-alignment-total-knee-arthroplasty/>  
Personalized Arthroplasty Society You Tube Chanel : <https://www.youtube.com/watch?v=k6qdpvh80Tc>
4. Enhanced Recovery After Surgery (ERAS) - Outpatient THA and TKA.  
Educational Video : 23min40, 2020, >600 views  
VuMedi. <https://www.vumedi.com/channel/personalized-arthroplasty-society/tab/total-knee-replacement/video/enhanced-recovery-after-the-surgery-hip-and-knee-rational-and-evidence-2020/>  
Personalized Arthroplasty Society YouTube Chanel : <https://www.youtube.com/watch?v=jIRZ5iCzVS4>
5. Restricted Kinematic Alignment: TKA Cases Discussion.  
Educational video: 14min48, 2020, >900 views  
VuMedi <https://www.vumedi.com/channel/personalized-arthroplasty-society/tab/total-knee-replacement/video/restricted-kinematic-alignment-tka-cases/>  
Personalized Arthroplasty Society You Tube Chanel : <https://www.youtube.com/watch?v=GTi5me1tN4M>
6. Mechanical Alignment for Total Knee Arthroplasty, It is the End of an Era.  
Educational video 35min58, 2020, >6000 views  
VuMedi <https://www.vumedi.com/channel/personalized-arthroplasty-society/tab/total-knee-replacement/video/mechanical-alignment-for-total-knee-arthroplasty-it-is-the-end-of-an-era/>  
Personalized Arthroplasty Society YouTube Chanel : [https://www.youtube.com/watch?v=nUb5\\_A1fSIU](https://www.youtube.com/watch?v=nUb5_A1fSIU)
7. Restricted Kinematic Alignment - TKA with Computer Assisted Surgery  
Educational video 13min28, 2020, >600 views  
VuMedi <https://www.vumedi.com/channel/personalized-arthroplasty-society/tab/total-knee-replacement/video/restricted-kinematic-alignment-tka-with-computer-assisted-surgery-rational-and-evidence-2020/>  
Personalized Arthroplasty Society YouTube Chanel <https://www.youtube.com/watch?v=M8n-5l3Hzvo>
8. Kinematic Alignment - TKA with Personalized Instruments.  
Educational video éducatif 14min58, 2020, >400 views  
VuMedi <https://www.vumedi.com/channel/personalized-arthroplasty-society/tab/total-knee-replacement/video/kinematic-alignment-tka-with-personalized-instruments-rational-and-evidence-2020/>  
Personalized Arthroplasty Society YouTube Chanel : <https://www.youtube.com/watch?v=wKoSkbHmiki&t=296s>



9. Pascal-André Vendittoli et Charles Rivière. Alignement de la prothèse totale de genou, transition d'une pratique systématique vers une approche personnalisée. Orthopode Novembre 2020
10. Pascal-André Vendittoli and Charles Rivière. Personalized Joint Replacement: The End of 'One Size Fits All' COA Bulletin ACO - Summer 2020 (127), p.35-36.
11. Pascal-André Vendittoli, Karina Pellei, Carla Williams, Claude Laflamme. Reducing Hospital Length of Stay is an Opportunity to Optimize Our Patients' Recovery. COA Bulletin ACO - Spring / Printemps 2020 (126), p.20-21.
12. Pascal-André Vendittoli. Ushering in a new era in wound care to manage influx of patient cases. 13 July 2020 | Opinion. Biospectrum Asia edition.  
<https://www.biospectrumasia.com/opinion/30/16284/ushering-in-a-new-era-in-wound-care-to-manage-influx-of-patient-cases.html#/ftn1https://www.biospectrumasia.com/opinion/30/16284/ushering-in-a-new-era-in-wound-care-to-manage-influx-of-patient-cases.html>
13. Pascal-André Vendittoli. Récupération optimisée suite au remplacement articulaire de la hanche et du genou en chirurgie d'un jour Le Patient Janvier 2020, vol 13, no 5
14. Pascal-André Vendittoli. Thromboprophylaxie orthopédique. 4 Questions à un expert dans Profession-Santé. Juillet 2018
15. Validité et fidélité de la combinaison de l'anamnèse et de l'examen physique pour le diagnostic des pathologies communes au genou : Thèse de Doctorat de Décary, Simon (2018-03-12) Directeur F Desmeules, Co directeur P-A Vendittoli. <https://papyrus.bib.umontreal.ca/xmlui/handle/1866/20276>
16. Évaluation clinique et biomécanique de deux différents types d'arthroplastie totale de genou : Mémoire de maîtrise de Renaud, Alexandre (2015-02-19) Directeur P-A Vendittoli. <https://papyrus.bib.umontreal.ca/xmlui/handle/1866/11822>
17. Relargage d'ions métalliques après l'arthroplastie de la hanche à grand diamètre avec couple de frottement métal sur métal : Mémoire de maîtrise de Amzica, Traian (2014-09-22) Directeur P-A Vendittoli. <https://papyrus.bib.umontreal.ca/xmlui/handle/1866/11042>
18. Janie Deschênes, **Pascal-André Vendittoli** La télémétrie des membres inférieurs, un examen indispensable en orthopédie Echo Vol. 34 N°1 - Mars 2014 (Prix du meilleur article de l'Association des technologues en radiologie)
19. Aziz Almawi, **Pascal-André Vendittoli**. Is Aspirin the New Standard? COA Bulletin 2016
20. Identification of patients at risk of poor outcomes following hip or knee arthroplasty : Mémoire de maîtrise de Lungu, Eugen (2016-10-13). Directeur F Desmeules, Co directeur P-A Vendittoli <https://papyrus.bib.umontreal.ca/xmlui/handle/1866/16264>
21. **Vendittoli PA**, Beaudette-Grondin L, Fallaha M. Prothèse totale du Genou, 2<sup>ème</sup> édition 2012.
22. **Vendittoli PA**, Beaudette-Grondin L. Remplacement articulaire de la Hanche, 3<sup>ème</sup> édition 2014.
23. **Vendittoli PA**, Beaudette-Grondin L, Massé V. Remplacement articulaire de la hanche : chirurgie d'un jour : séjour de moins de 24h. 1<sup>ère</sup> édition 2017.
24. **Vendittoli PA**, Pellei K. Chirurgie d'un jour PTG/PTH : indormation pour l'équipe de soins. 1<sup>ère</sup> édition 2017

25. **Pascal-André Vendittoli**. Thromboprophylaxie orthopédique. 4 Questions à un expert dans Profession-Santé. Juillet 2018
26. Validité et fidélité de la combinaison de l'anamnèse et de l'examen physique pour le diagnostic des pathologies communes au genou : Thèse de Doctorat de Décary, Simon (2018-03-12)  
Directeur F Desmeules, Co directeur **P-A Vendittoli**  
<https://papyrus.bib.umontreal.ca/xmlui/handle/1866/20276>

### **Published Abstracts**

#116, list on demand

### **Editorial board member**

- Annals of Joint journal (since 2016)
- Bentham Open Orthopedic Journal (since 2016)

### **External Reviewer for Scientific Journals**

31journals, 111 evaluations, list on demand

### **Invited Speaker :**

**>232 times, list on demand**

Provincial	88
National	67
International	77

### **Scientific Presentation in Peered Review Scientific Meetings**

**>329 times, list on demand**

Provincial	104
National	53
International	172

### **Other Media Appearances** (last 5 years)

- 2020 Des prothèses performantes, tour d'horizon des nouvelles techniques et prothèses pour soulager les douleurs articulaires. Par Jacqueline Simoneau Revue Le Bel Age, 1er octobre 2020, p.20
- 2019 Téléjournal Radio-Canada 19 décembre 2019 : Une approche moins douloureuse pour le remplacement de la hanche et du genou.  
<https://ici.radio-canada.ca/nouvelle/1442656/nouvelle-approche-operation-remplacement-hanche-genou?depuisRecherche=true>
- 2019 CTV radio : afternoon show "Lets Go". Interview on our outpatient surgery program.
- 2018 Journal de Montréal : Remplacement de la hanche ou du genou: grosses économies possibles pour prévenir des complications. Emmanuel Martinez. 25-02-2018  
<http://www.journaldemontreal.com/2018/02/25/remplacement-de-la-hanche-ou-du-genou-grosses-economies-possibles-pour-prevenir-des-complications>
- 2018 Nouvelles UdeM : Mieux prévenir les complications liées au remplacement de la hanche ou du genou. 26-02-2018  
<http://nouvelles.umontreal.ca/article/2018/02/26/mieux-prevenir-les-complications-liees-au-remplacement-de-la-hanche-ou-du-genou/>
- 2016 **Journal Metro** : First outpatient THA in Canada. Samantha Velandia.  
<http://journalmetro.com/local/saint-leonard/actualites-saint-leonard/1006053/premiere-au-canada-une-prothese-complexe-de-la-hanche-realisee-en-un-jour/>

- 2016 La Presse+ : Intervention chirurgicale : Changer de hanche... et rentrer à la maison! Jean Siag, 13-08-2016.  
<http://www.lapresse.ca/vivre/sante/nouvelles/201608/16/01-5010954-changer-de-hanche-et-rentre-a-la-maison.php>
- 2016 **Radio Canada** le 15-18. Interview : Opération de la hanche en un jour.
- 2016 Émission Salut Bonjour, TVA : La chirurgie du futur, dès maintenant. Entrevue par Marie-Ève Lortie, 12-08-2016  
<http://tva.canoe.ca/emissions/salutbonjour/chroniques/detail/la-chirurgie-du-futur-des-maintenant>
- 2016 The Gazette : New hip replacement technique lets patient leave hospital on the same day. Charlie Fidelman. 17-08-2016.  
<http://montrealgazette.com/news/new-hip-replacement-technique-lets-patient-leave-hospital-on-the-same-day>
- 2016 Ottawa Citizen : I can now sleep without pain': New hip replacement surgery lets patient leave Montreal hospital on same day. Charlie Fidelman. 19-08-2016.
- 2015 Radio-Canada : **La Facture**, interview as an expert on Metal-on-metal THA. <https://ici.radio-canada.ca/tele/la-facture/2015-2016/segments/reportage/3637/prothese-hanche-metal-probleme-sante-canada-defectuosite>

### **Prizes and Honors** (most important)

- 2003 **Alexandra Kirkley award: best young Investigator**  
Canadian Orthopedic Foundation
- 2009 **John Charnley Award from the American Hip Society**  
Annual Hip Society meeting, Las Vegas, USA
- 2010 **Founders ' Medal Award**  
Best fundamental research project  
Canadian Orthopedic Foundation
- 2016 **J. Edouard Samson Award / Prix Édouard Samson**  
Canadian Orthopedic Association  
Recognizes the best career orthopaedic research over a period of five (5) years or more at a Canadian centre.
- 2017 **Médaille de la Société Française de la chirurgie de la hanche et du genou**  
Société Française de la hanche et du genou (SFHG), Paris
- 2018 **Canadian Hematology Society (CHS) Paper of the Year Award**  
Anderson et al. Aspirin or Rivaroxaban for VTE Prophylaxis after Hip or Knee Arthroplasty. N Engl J Med. 2018 Feb 22;378(8):699-707.
- 2019 **Star of the Health Care System**  
Caisse du Réseau de la Santé Desjardins
- 2019 **First prize : Outstanding health care program**  
Fédération des Médecins Spécialiste du Québec

### **Innovative Practice**

- 2003 First North American implantation of the Durom Hip Resurfacing, Zimmer
- 2004 Developpement of the first computer navigation system for hip resurfacing surgery (Orthosoft).
- 2010 First North American implantation of the Profemur Preserve femoral stem, Wright Medical
- 2011 First Canadian implantation of the ADM Dual mobility hip prosthesis Stryker
- 2014 First Canadian implantation of the Sphere total knee implant, Medacta
- 2014 First World implantation of the Preserve classic femoral stem, Microport
- 2016 First Canadian implantation of the Tritanium total knee prosthesis, Stryker
- 2016 First Canadian ERAS-outpatient total hip arthroplasty
- 2016 First Canadian ERAS-outpatient total knee arthroplasty

**Provincial bursary and salaral support as a clinical researcher**

- 2008-2011 **Chercheur boursier of Fonds de la recherche en santé du Québec (FRQS)**  
Chercheur boursier clinicien Junior 1
- 2011-2015 **Chercheur boursier of Fonds de la recherche en santé du Québec (FRQS)** Chercheur  
boursier clinicien Junior 2
- 2017-2019 **Chercheur boursier of Fonds de la recherche en santé du Québec (FRQS)** Chercheur  
boursier clinicien Sénior
- 2020-2024 **Chercheur chevronné of Fonds de la recherche en santé du Québec (FRQS)**  
**Highest recognition**

**Research projects funded by organisms with a peer review comitee**

Total last 5 years = 7 068 842\$, list on demand

**Research projects funded by organism without peer review committee**

Total last 5y = 2 578 760\$, list on demand