Dr. Michael Peppis Bartellas
MD., MSc in Med (AHSR)., BSc (Hons)

Michael.bartellas@uottawa.ca

Research

1. Thorburn, C., Abdel-Razek, O., Fagan, S., Pearce, N., Furey, M., Harris, S., Bartellas, M. and Adams, C., 2020. Three-dimensional printing for assessment of paravalvular leak in transcatheter aortic valve implantation. *Journal of Cardiothoracic Surgery*, *15*(1), pp.1-5.

2. Stone A, Bartellas M, Osmond M, et al. (2019). 3D- Printed Paranasal Sinuses as a Model for Studying Medication and Irrigation Delivery. American Academy of Otolaryngology-Head and Neck Surgery 2019 Annual Meeting. New Orleans, USA. September 15th, 2019.

3. Bartellas, M. Printing Healthcare: The story of MUN MED 3D. Plenary Presentation-Concurrent sub-specialty: Minimally invasive surgery. Society of Obstetrics and Gynaecology of Canada Annual Clinical and Scientific Conference. Halifax, Canada. June 13th, 2019.

4. Goudie C, Kinnin J, Bartellas M, et al. (April 03, 2019). The Use of 3D Printed Vasculature for Simulation-based Medical Education Within Interventional Radiology. Cureus 11(4): e4381. doi:10.7759/cureus.4381

5. Patey C, Norman P, Bishop N, Bartellas M, Dubrowski A. (December 21, 2018). Development, Evaluation, and Implementation of a New 3D Printed Tongue Depressor Dispenser. Cureus 10(12): e3764. doi:10.7759/cureus.3764

6. Bartellas, M., Ryan, S., Pickett, T. (2018). The Power of 3D Printing in Healthcare and Beyond. Keynote presentation. SIMTECH Simulation Symposium. St. John's, Canada. November 29th, 2018.

7. Goudie, C., Kinnin, J., Bartellas, M., Gullipali,R., Dubrowski, A. (2018). *The Use of 3D Printed Vasculature as a Simulation Tool within an Interventional Radiology Interest Group*. Submitted Manuscript. Cureus (): e. doi:10.7759/cureus.

8. Dubrowski, A., Ryan, S., Bartellas, M., Pickett, A., Hoover, K., & Paterno, G. (2018). *The Coldest 3D Print on Earth for Simulation Based Education.* Cureus 9(8): e.

9. Bartellas, M. 3D Printing in Otolaryngology: Beyond MUN MED 3D. Visiting Guest Speaker. Grand Rounds, Otolaryngology- Head & Neck Surgery, Western University. London, Canada. April 11th, 2018.

10. Pickett, A., Healey, T., Stuckless, T. L., Feltham, A. M., Ryan, S., Bartellas, M. (2018). *The Use of Three-Dimensional Printing in Immobilization of Patient's Hand During Radiation Treatment of Grade II Squamous Cell Carcinoma of Proximal Phalanx Co-Morbid with Late Stage Dementia.* Journal of Medical Imaging and Radiation Sciences, 49(1), S16.

11. Pickett A. T., Healey T. Stuckless T., Feltham A., Bartellas M., Ryan S. *The Use of Three-Dimensional Printing in Immobilization of Patient's Hand During Radiation Treatment of Grade II Squamous Cell Carcinoma of Proximal Phalanx Co-Morbid with Late Stage Dementia. Poster Presentation*. Radiation Therapy: Inquire, Inspire, Innovate (RTi3) Conference. Toronto, Canada. March 2nd, 2018.

12. Bartellas M. *Creating a Low-Cost 3D Printing Medical Unit.* Ultimaker. Retrieved from https://ultimaker.com/en/blog/49527-creating-a-low-cost-3d-printing-medical-unit. February 2018.

13. Bartellas, M., Tibbo, J., Angel, D., Rideout, A., & Gillis, J. (2018). *Three-Dimensional Printing: A Novel Approach to the Creation of Obturator Prostheses Following Palatal Resection for Malignant Palate Tumors.* Journal of Craniofacial Surgery, 29(1), e12-e15.

14. Bartellas M. *MUN MED 3D and Otolaryngology- Head & Neck Surgery*. Invited Lecturer. 7th Canadian Society of Otolaryngology – Head and Neck Surgery Undergraduate Education Retreat. St. John's, Canada. November 2017.

15. Doucet G, Ryan S, Bartellas M, et al. (August 18, 2017). *Modelling and Manufacturing of a 3D Printed Trachea for Cricothyroidotomy Simulation.* Cureus 9(8): e1575. doi:10.7759/cureus.1575

16. Small C, Bartellas M, Furey A. *3D printing of calcaneal fractures: An analysis of interobserver reliability in using the Sanders classification system.* Oral Presentation. Ottawa, Canada. Canadian Orthopedic Association Annual Meeting. June 2017.

17. Bartellas M, Tibbo J, Angel D, Rideout A, Gillis J. *Creating a Palatal Obturator using Freeware and a Low-Cost Three-Dimensional Printer.* Oral Presentation in the Facial Plastic and Reconstructive Surgery session. Canadian Society of Otolaryngology – Head and Neck Surgery- 71st Annual Meeting. Saskatoon, Canada. June 2017.

18. Bartellas M, Ryan S, Pickett T. *Three-Dimensional Printing of a Hemorrhagic Cervical Cancer Model for Postgraduate Gynecological Training.* Oral Presentation. Medical Education Scholarship Forum. St. John's, Canada. June 2017.

19. Bartellas M, Ryan S. *Three-Dimensional Printing of a Hemorrhagic Cervical Cancer Model for Postgraduate Gynecological Training.* Oral Presentation. Obstetrics and Gynecology Resident's Research Day. St. John's, Canada. May 2017.

20. Kinnin J, Ravindra G, Bartellas M. *Interventional radiology education using 3D printed vasculature*. Educational exhibit. Canadian Association of Radiologists 80th annual scientific meeting. Montreal, Quebec. April 2017.

21. Bartellas M, Tibbo J, Angel D, Rideout A, Gillis J. *Creating a Palatal Obturator using Freeware and a Low-Cost Three-Dimensional Printer.* Oral Presentation. The Newfoundland Surgical Society Meeting. Corner Brook, Canada. March 2017.

22. Bartellas M, Tibbo J, Angel D, Rideout A, Gillis J. *Creating a Palatal Obturator using Freeware and a Low-Cost Three-Dimensional Printer*. Oral Presentation. Memorial University of Newfoundland Medical Student Research Forum. St. John's, Canada. February 2017.

23. Bartellas M, Ryan S, Doucet G, et al. (January 01, 2017) *Three-Dimensional Printing of a Hemorrhagic Cervical Cancer Model for Postgraduate Gynecological Training*. Cureus 9(1): e950. doi:10.7759/cureus.950

24. Bartellas M (2016) *Three-Dimensional Printing and Medical Education: A Narrative Review of the Literature*. Cureus 8(1): e.

25. Bartellas M*. Three-Dimensional Printing and Medical Education: A Narrative Review of the Literature*. Poster Presentation. Canadian Surgery Forum-Canadian Association of General Surgery. Toronto, Canada. September 2016.

26. Bartellas, M. (2016). *Three-dimensional printing and medical education.* Canadian Journal of Surgery, 59(4 Supple 1), S86-S87.

27. Bartellas M. *A Narrative Approach: Barriers and Facilitators to Access and Care in Services for Youth Eating Disorders in Atlantic Canada*. Oral Presentation. 2016 Crossroads Interdisciplinary Student Health Research Conference. Halifax, Canada. March 2016.

28. Bartellas, M. (2016). *Three-Dimensional Printing and Medical Education: A Narrative Review of the Literature.* University of Ottawa Journal of Medicine, *6*(1), 38-43. doi:http://dx.doi.org/10.18192/uojm.v6i1.1515

29. Bartellas, M. (2015). *A Narrative Approach: Barriers and Facilitators to Access and Care in Services for Youth Eating Disorders in Atlantic Canada* (Masters dissertation, Memorial University of Newfoundland).

30. Bartellas M. *A Narrative Approach: Barriers and Facilitators to Access and Care in Services for Youth Eating Disorders in Atlantic Canada.* Oral Presentation. Memorial University of Newfoundland Medical Student Research Forum. St. John's, Canada. February 2016.

31. Bartellas M. *A Narrative Approach: Barriers and Facilitators to Access and Care in Services for Youth Eating Disorders in Atlantic Canada.* Oral Presentation. Community-Based Primary Health Care (CBPHC) Innovations: Third Annual Meeting, Hosted by CIHR's Institutes of Population and Public Health (IPPH) & Health Services and Policy Research (IHSPR). Ottawa, Canada. November 2015.

32. Bartellas, M. Bell B. *Patient journey mapping for research and parent/community engagement.* Workshop Facilitator. Atlantic Summer Institute Symposium on Child & Youth Mental Health. Charlottetown, Canada. August 2015.

33. Bartellas M. A *Qualitative Approach to Exploring Barriers and Facilitators in Access to Child and Youth Eating Disorders Services in Newfoundland and Labrador*. Oral Presentation. The Primary Healthcare Partnership Forum 2014. St. John's, Canada. September 2014.

Activities

Grants

2019/4 — NRC-IRAP: Development of PolyUnity Medical Three-Dimensional Printing Web Application Database
Funding amount: $ 35,193.60
Applicant: Dr. Michael Bartellas on behalf of PolyUnity Tech.

2017/10 — ACOA (BDP)- MUN Faculty of Medicine's 3D Printing Initiative
Project: Healthcare Solutions, Medical Education and Three-dimensional Printing in Newfoundland and Labrador
Funding amount: $1,423,867
Co-Applicants: Dr. Adam Dubrowski, Michael Bartellas, Stephen Ryan
Dr. Gary Paterno, Travis Pickett

2016/5 — Teaching and Learning Framework- Memorial University of Newfoundland
Project: Three-Dimensional Printing Collaboration Initiative to Enhance Biomedical Innovation and Student Interest.
Status: In third and final round of evaluation
Funding amount: $25,000
Applicants: Michael Bartellas (Principal Applicant), Dr. Gary Paterno, Dr. Stephen Shorlin, Dr. Heidi Coombs-Thorne, Stephen Ryan

Reviewer

2019/4-Present — *PLOS ONE:* Peer Reviewer