

CONTACT

Date of Birth: November 19, 2001
Citizenship: Canadian
Languages: English (fluent), French (fluent), Hebrew (fluent)
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**RESEARCH
INTERESTS**

Methodological: Systematic review, Meta-analysis, Retrospective and prospective clinical studies, Machine learning (computer vision and natural language processing)
Applications: Orthopaedic surgery; Neural interfaces; Medical device development; Surgical navigation; Clinical outcomes; Electronic Health Records

EDUCATION

2022-2026	M.D.	Medicinæ Doctorem, University of Montreal <i>In progress</i>
2021-2022		Medicine Preparatory Qualifying Year, University of Montreal
2019-2021	D.C.S.	Diploma of College Studies Health Science (200.B1), Vanier College. <i>Dean's Honor Roll</i> (Global average: 97%; R score: 38.844)
2014-2019	S.S.D.	Secondary School Diploma, Herzliah High School. <i>Dean's Honor Roll</i> (Global average: 97%)

CERTIFICATES

BLS Provider	Basic Life Support Provider, Heart and Stroke Foundation of Canada. Expires September 2023.
National Lifeguard	National Lifeguard Certification, Canadian Red Cross. Expires June 2023.
COSMEC Course	Canadian Orthopaedic Surgery Medical Education Course (COSMEC), University of Toronto (Toronto, Canada). Issued on May 17, 2022.

**AWARDS &
DISTINCTIONS**

2021	J.W. McConnell Entrance Scholarship, McGill University (CA\$3,000/year)
2021	Pre-University Diploma Program Scholar, Vanier College
2021	Microsoft Award, Regeneron International Science and Engineering Fair (US\$500)
2020-2021	Mitacs FRQNT College-level Research Internship Award, Fonds de recherche Nature et technologies Québec (CA\$5,000)
2019	MILSET International Research Fair. Abu Dhabi, United Arab Emirates (CA\$2,500)
2019	The Principal's Award for Outstanding Achievement and Exceptional Engagement

2019	Certificate of Merit for Outstanding Overall Achievement.
2019	The McGill Science Award (Promise in Science and Mathematics)
2019	The Soryl Naymark Prize (Achievement in Science)
2019	Francis-Boulva Recognition Award
2018	Intel International Science & Engineering Fair (Pittsburgh, Pennsylvania)
2018	McGill University Faculty of Medicine Award
2018	McGill University Faculty of Mathematics and Statistics Award
2018	Peter Lochtie Memorial Prize
2018	Concordia University Department of Mathematics and Statistics Award
2017	McGill University Faculty of Science Award
2017	Concordia University Faculty of Arts and Science Entrance Bursary
2017-2019	Super expo-sciences Hydro Québec Experimentation & Design Award
2014-2018	Gold Student Life Achievement Medal

RESEARCH BURSARIES

2020-2021	Mitacs FRQNT College-level Research Internship Award, Fonds de recherche Nature et technologies Québec (CA\$5,000)
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EXPERIENCE

2022-	Research Co-Lead at Surgery Interest Group of University of Montreal (GICUM). Montreal, Canada.
2022-2023	InciSioN (International Student Surgical Network), Internal Affairs. International.
2020-2021	Teaching Assistant for Mechanics (203-NYA-05) and Electricity & Magnetism (203-NYB-05), Vanier College. Montreal, Canada.
2020-2021	Journal Editor and Writer for SIGMA: The Vanier Science Journal. Montreal, Canada.

PUBLICATIONS

- [1] Elkaim LM, **Levett JJ**, Niazi F, Alvi MA, Shlobin NA, Linzey JR, Robertson F, Bokhari R, Alotaibi NM, Lasry O. Cervical Myelopathy and Social Media: Mixed Methods Analysis. *J Med Internet Res*. 2023;25:e42097.
- [2] Alvi MA, Elkaim LM, **Levett JJ**, Pando A, Roy S, Samuel N, NM Alotaibi, Zadeh G. Current Landscape of Social Media Use Pertaining to Glioblastoma by Various Stakeholders. *Neurooncol Adv*. 2023;5(1):vdad039.
- [3] **Levett JJ**, Turcotte RE, Jung S, Antoniou J, Huk OL. Osteosarcoma Around a Ceramic-on-Ceramic Total Hip Arthroplasty. *Arthroplast Today*. 2023;19:101094.
- [4] Elkaim LM, Niazi F, **Levett JJ**, Bokhari R, Gorodetsky C, Brietbart S, Alotaibi F, Alluhaybi AA, Weil AG, Fallah A, Alotaibi NM, Ibrahim GM. Deep Brain Stimulation in Children and Youth: Perspectives of Patient and Caregivers Gleaned through Twitter. *Neurosurg Focus*. 2022;53(4), E11.

WORKING PAPERS

- [1] **JJ Levett**, AM Alnasser, J Drager, T Pauyo. Anterior Cruciate Ligament Injury Prevention on Social Media: A Cross-Sectional Analysis of Public Awareness and Engagement. In progress.
- [2] **JJ Levett**, AM Alnasser, U Barak, LM Elkaim, T Hoang, D Guha, AG Weil, NM Alotaibi, MH Weber. Radiation Exposure and Dose Estimates of Robot-Guided Versus Freehand Spinal Fusion: A Meta-Analysis of Randomized Controlled Trials. 2023. In progress.
- [3] **JJ Levett**, DJ Zukor, OL Huk, J Antoniou. Elevated Metal Ion Levels in a Patient with Renal Failure and Bilateral Metal-on-Metal Hip Arthroplasty: A Case Report. 2023. Under review.
- [4] **JJ Levett**, LM Elkaim, DJ Zukor, OL Huk, J Antoniou. Perspectives Surrounding Robotic Total Hip Arthroplasty on Social Media: A Cross-sectional Analysis using Natural Language Processing. 2023. Under review.
- [5] **JJ Levett**, LM Elkaim, NM Alotaibi, MH Weber, MM Abd-El-Barr, N Dea. Publication Retraction in Spine Surgery: A Systematic Review. 2023. Under review.
- [6] **JJ Levett**, LM Elkaim, F Niazi, MH Weber, C Ioro-Morin, M Bonizzato, AG Weil. Invasive Brain Computer Interface for Motor Restoration in Spinal Cord Injury: A Systematic Review. 2022. Under review.
- [7] F Niazi, LM Elkaim, N Khomami, **JJ Levett**, NM Alotaibi, M Hodaie, AG Weil. Microvascular decompression and trigeminal neuralgia: patient sentiment analysis using natural language processing. 2022. Under review.

PREPRINTS

- [1] **JJ Levett**, LM Elkaim, NM Alotaibi, O Lasry, MH Weber, AG Weil. Patient and Family Experience in Pediatric Spine Surgery: A Social Media Analysis. 2022. Under review.

RESEARCH PRESENTATIONS

- [1] **JJ Levett**, LM Elkaim, F Niazi, MH Weber, C Ioro-Morin, M Bonizzato, AG Weil. Invasive Brain Computer Interface for Motor Restoration in Spinal Cord Injury: A Systematic Review. Canadian Spine Society. Québec, QC. March 1-4, 2023.
- [2] **JJ Levett**, LM Elkaim, NM Alotaibi, MH Weber, MM Abd-El-Barr, N Dea. Publication Retraction in Spine Surgery: A Systematic Review. Canadian Spine Society. Québec, QC. March 1-4, 2023.
- [3] **JJ Levett**, LM Elkaim, F Niazi, NA Shlobin, M Bonizzato, MH Weber, AG Weil. Une revue systématique des interfaces cerveau-ordinateur pour le traitement des lésions médullaires. Congrès annuel de l'Association de neurochirurgie du Québec. Québec, QC. November 4, 2022.
- [4] F Niazi, **JJ Levett**, LM Elkaim, NM Alotaibi, O Lasry, M Hodaie. Décompression microvasculaire pour la névralgie du trijumeau : l'analyse des sentiments des patients à l'aide du traitement automatique du langage. Congrès annuel de l'Association de neurochirurgie du Québec. Québec, QC. November 4, 2022.
- [5] **JJ Levett**, LM Elkaim, F Niazi, NA Shlobin, M Bonizzato, MH Weber, AG Weil. Brain computer interface for spinal cord injury in human and animal

models: a systematic review. McGill Neurosurgery Research Day. Montreal, QC. June 17, 2022.

- [6] LM Elkaim, **JJ Levett**, F Niazi, R Bokhari, O Lasry, NM Alotaibi. Cervical myelopathy and social media: a mixed methods analysis. McGill Neurosurgery Research Day. Montreal, QC. June 17, 2022.
- [7] F Niazi, N Mehdy, Z Khomami, **JJ Levett**, LM Elkaim. An analysis of Twitter use related to trigeminal neuralgia. McGill Neurosurgery Research Day. Montreal, QC. June 17, 2022.
- [8] BB Levy, **JJ Levett**, L Perrier, SEP Munce. Primary prevention of cardiovascular disease for adults with disabilities: a systematic review and meta-analysis. University of Toronto Temerty Faculty of Medicine Research Day. Toronto, ON. February 22, 2022.

MEDIA

Print (Newspapers, Magazines)

- [1] The Suburban, [Sixteen Montreal area students stand out at Super Expo-sciences Québec Regional Science & Technology Fair](#), May 11, 2019.

Broadcast Media (TV, Radio)

- [1] Global News, [Montreal students heading to Abu Dhabi for science fair competition](#), April 26, 2019.

Internet

Vanier College Television, [Vanier Student Jordan Levett, 7 prize Winner at the Montreal Regional Science Fair](#), April 6, 2021.

LEADERSHIP

2018-2022	President of Volunteers, Friendship Circle of Montreal. Montreal, Canada.
2021-	Canadian Medical Association Ambassador. Canada.
2019-2020	<i>Sign and Shine</i> . Co-founder of sign language course offered at Friendship Circle.

SKILLS & HOBBIES

Sports: hockey, tennis & ski.
 Software development: Python, HTML, CSS, JavaScript, C++, Cypher querying.
 Magic: self-taught. Performed and instructed magic to children with special needs.