

Laurence Stolzenberg, D.O. M.Sc.

laurence@stolzenberg.ca

stolzenberg.ca

Rochester, NY | ORCID: 0000-0002-8760-6624

EDUCATION

Diagnostic Radiology Residency	July 2025 – June 2029
University of Rochester Medical Center (URMC), Rochester, NY, USA	
Postgraduate Year-1 (PGY-1, Transitional Year)	June 2025
Firelands Regional Medical Center	
Doctor of Osteopathic Medicine (D.O.)	May 2024
Alabama College of Osteopathic Medicine, Dothan, AL, USA	
Master of Science (M.Sc.) – Computer Sciences	Aug 2017
McGill University, Montreal, QC, Canada	
Bachelor of Applied Sciences (B.Sc.A) – Computer Sciences and Software Engineering	Mar 2015
University of Quebec in Montreal, Montreal, QC, Canada	

EXAMINATIONS

Comprehensive Osteopathic Medical Licensing Examination (COMLEX)	
Level 1 – Pass, Score: Unscoresd	June 2022
Level 2 – Pass, Score: 746 (97 th Percentile)	April 2023
Level 3 – Pass, Score: 901 (99.9 th + Percentile)	December 2024
United States Medical Licensing Examination (USMLE)	
Step 1 – Pass, Score: Unscoresd	May 2022
Step 2 Clinical Knowledge (CK) – Pass, Score: 265 (92 nd Percentile)	May 2023
Canada National Assessment Collaboration Examination (NAC)	
NAC OSCE – Pass, Score: 632 (>90 th Percentile)	Sep 2023
Medical Council of Canada Qualifying Examination (MCCQE)	
Part I – Pass, Score: 274 (~80 th Percentile)	Apr 2023

WORK EXPERIENCE

Resident Physician	Jun 2025 – Present
University of Rochester Medical Center	
• Interpreted a high volume of cross-sectional, plain film, and advanced imaging studies (CT, MRI, ultrasound, fluoroscopy) across multiple subspecialties, providing timely and accurate diagnostic reports. • Collaborated with multidisciplinary teams—including surgeons, oncologists, neurologists, and emergency physicians—to guide patient management and optimize clinical outcomes. • Gained progressive responsibility in image-guided procedures and on-call coverage, developing expertise in acute/emergent radiology and evidence-based diagnostic decision-making.	
Resident Physician	Jun 2024 – June 2025
Firelands Regional Medical Center	
• Provided comprehensive patient care across inpatient and outpatient settings during transitional-year training. • Completed inpatient rotations in general surgery, internal medicine, and psychiatry, managing complex cases and coordinating care within multidisciplinary teams.	

- Contributed to outpatient family medicine and pediatric care, with a focus on preventive medicine, chronic disease management, and patient education.

Technical Contractor for the Canadian Ministry of Defence

Feb 2015 – Present

Canadian Aviation Electronics (CAE Inc.)

- Developed and maintained mission-critical simulation software for the Royal Canadian Air Force CF-18 fleet over a decade-long engagement.
- Corresponded with military contacts to formulate requirements and complete required upgrades.
- Documented all requirements, designs, and changes according to stringent ISO and CMMI guidelines.
- Engineered real-time systems under stringent performance and reliability constraints across multiple defence contracts.
- Collaborated with cross-disciplinary engineering teams to translate military requirements into validated software deliverables.

Independent Medical Writing and Editing Professional

Oct 2024 – Present

Thieme Inc – Independent 1099 contractor

- Edit and author medical education content for an international medical publisher.
- Review and update terminology, protocols, and clinical content against current guidelines and primary literature.
- Deliver scientifically rigorous, accessible educational materials for practicing healthcare professionals.

Special Project Technical Lead

Jun 2017 – Jun 2020

Canadian Aviation Electronics (CAE Inc.)

- Led a dedicated engineering team on an RCAF cybersecurity initiative.
- Owned the technical architecture, milestone planning, and delivery of the project.
- Hardened systems against identified vulnerabilities and evaluated AI methods to improve simulation fidelity and decision support.

HONOURS AND AWARDS

Research award for class of 2024 (Single award for entire 217 student cohort, ACOM)	May 2024
Gold Humanism Honor Society Membership – Service and Humanism	Sep 2023 – Present
Sigma Sigma Phi Honor Society Membership – Academic Excellence	Oct 2021 - Present
Silver TOUCH Point Community Service Award (2022-2023)	Jul 2023
2nd Place for Best Oral Presentation – Alabama Academy of Science	Mar 2023
Silver TOUCH Point Community Service Award (2021-2022)	Jul 2022
AMSA – Selected as school delegate to Washington D.C. Convention	Apr 2022
Gold TOUCH Point Community Service Award (2020-2021)	Jul 2021
Academic Excellence Scholarship – University of Quebec in Montreal	Feb 2014

RESEARCH

Researcher Nov 2022 – Present

Heersink School of Medicine (UAB), Birmingham, AL

- Participated as a researcher on multiple projects, including literature reviews and clinical guideline production.
- Engaged regularly with interprofessional team of physicians, research fellows, and scientists.

Student Researcher

Sep 2020 – May 2024

Alabama College of Osteopathic Medicine, Dothan, AL

- Wrote clinical trial protocol while being mindful of patient safety and research ethics.
- Prepared multiple institutional review board (IRB) submissions.
- Published multiple PubMed indexed, peer-reviewed articles.

Graduate Student – Thesis

Jul 2016 – May 2017

McGill University, Montreal, QC

- Completed my thesis, which was accepted for graduation. Paper in Computer Science.
- Wrote a 100+ page manuscript, edited and responded appropriately to peer-review comments.

Conference Presentation – Alabama Academy of Science (100th Anniversary conference)

Mar 2023

- Presented case study on necrotizing fasciitis in front of a wide audience of physicians and educators.
- Won second place for best oral presentation, including monetary award.

Conference Presentation – Global Surgical Innovation Annual Conference

Apr 2023

- Presented my paper on the impact of the COVID-19 pandemic on public opinion of healthcare workers.

Publications:

1. Stolzenberg L, Huang A, Usman M, et al. Rheumatoid Arthritis-Linked Artificial Joint Infections Leading to Amputations. *Cureus*. 2023;15(2): e35622. PMID:37007351
2. Kafchinski LA, Crawford AE, Stolzenberg L, Gould SJ. Common Benign Bone Lesions and Return to Sports: A Case Report and Scoping Review. *Am J Sports Med*. 2025;53(1):234-242. doi:10.1177/03635465241235947. PMID: 39741486
3. Stolzenberg L, Huang A, Usman M, MacGregor G. A Descriptive Survey Investigating the Impact of the COVID-19 Pandemic on the Public's Perception of Healthcare Professionals. *Cureus*. 2023;15(7): e41703. PMID:37575848
4. Stolzenberg L, Usman M, Huang A, Ibrahim M, Kihara C, Bodiford BM. Intraoperative Complications During Orthopaedic Spinal Surgery in a Polypharmacy Patient with Multiple Comorbidities. *Cureus*. 2023;15(6): e39949. PMID:37416050
5. Stolzenberg L, Koch A, Huang A, Usman M, Seale JR. Necrotizing Fasciitis Presenting as Generalized Weakness, Malaise, and Acute Kidney Injury. *Cureus*. 2022;14(11): e31674. PMID:36545158
6. Stolzenberg L, Koch A, Huang A, et al. Spider Bite-Induced Facial Nerve Palsy. *Cureus*. 2022;14(12): e32162. PMID:36601209
7. Stolzenberg L, Ryan A, Hannon PJ. The Spontaneous Resolution of Trauma-Induced Uterine Arteriovenous Malformation. *Cureus*. 2024. 16(1): e52098. PMID: 38344524
8. Huang A, Stolzenberg L, Usman M, Awan M, Bruner P. A Survey on the Use of Cannabidiol (CBD) Isolate, Its Perceived Benefits, and Associated Side Effects Among Subjects With Chronic Pain. *Cureus*. 2025;17(3): e79905.
9. Patel S, Norman WR, Pathak P, Stolzenberg L, Koch A. Post-COVID-19 Painless Thyroiditis: A Case Study on Thyrotoxicosis Management. *Am J Case Rep*. 2025;26: e945897.
10. Koch AA, Stolzenberg L, Pathak PR, Penot AR. Phenazopyridine-Induced Methemoglobinemia: A Case Report. *Cureus*. 2023;15(1): e33715. PMID:36788851
11. Decker T, Schnittka E, Stolzenberg L, Janowitz J. Shear-Wave Elastography for the Diagnosis of Pediatric Hashimoto's Thyroiditis: A Systematic Review and Meta-Analysis. *Cureus*. 2023;15(2): e35490. PMID:37007310
12. Gay C, Kihara C, Patel AN, Oakley K, Stolzenberg L, Schmidt A. Myocardial Bridging as a Differential Diagnosis for Myocardial Infarction: A Case Report. *Cureus*. 2023;15(4): e37200. PMID:37168214
13. Gay C, Kihara C, Haley A, et al. Lipschütz Ulcers: Classic Presentation of an Uncommon Condition. *Cureus*. 2023;15(5): e38505. PMID:37273409
14. Usman M, Koch A, Stolzenberg L, Huang A, Nkie VE, Ibrahim M. A Patient with Pelizaeus-Merzbacher Disease Caused by a c.67G>A Mutation in the PLP1 Gene. *Cureus*. 2023;15(7): e42458. PMID:37637647
15. Usman M, Calise AC, Patel AN, et al. Pulmonary Histoplasmosis with Superimposed Pneumocystis Pneumonia. *Cureus*. 2023;15(8): e43152. PMID:37692718
16. Kihara C, Patel AN, Oakley K, Gay C, Stolzenberg L, Seale J. The Incidental Discovery of an Ileal Conduit Calculus: A Case Report. *Cureus*. 2023;15(8): e43299. PMID:37692572
17. Usman M, Huang A, Stolzenberg L, Clemmons M, Hovey GJ, MacGregor G., Patient Opinions and Side Effects Before and After General Anesthesia for Surgery. *Cureus*. 2024; 16(2): e53755.

Poster Presentations:

1. Stolzenberg, L., Huang, A., Usman, et al. (2023, April 01). Impact of the Covid-19 Pandemic on the Public Perceptions of Healthcare Professionals. Global Surgical Innovation - 2023 National Conference, Ann Arbor, MI, USA.
2. Stolzenberg, L., Koch, A., Huang, A., et al. (2023, March 09). Necrotizing Fasciitis Presenting as Generalized Weakness, Malaise, and Acute Kidney Injury. Alabama Academy of Science Presentation - 100th Anniversary Conference, Birmingham, AL, USA.
3. Stolzenberg, L., Huang, A., Usman, et al. (2023, March 09). Introduction Impact of the Covid-19 Pandemic on the Public Perceptions of Healthcare Professionals. Alabama Academy of Science Presentation - 100th Anniversary Conference, Birmingham, AL, USA.
4. Stolzenberg, L., Huang, A., Usman, et al. (2022, November 18). Patient Opinions and Side Effects Before and After General Anesthesia for Surgery. Society of Hospital Medicine's Wiregrass Chapter 2022 Poster Conference, Dothan, AL, USA.
5. Stolzenberg, L., Huang, A., Usman, M., et al. (2022, November 18). Survey Investigating the Impact of the Covid-19 Pandemic on the Public Perceptions of Healthcare Professionals. Society of Hospital Medicine's Wiregrass Chapter 2022 Poster Conference, Dothan, AL, USA.
6. Stolzenberg, L., Huang, A., Simpson, D., et al. (2021, October 23). An Analysis of Morbidity, Mortality, and Life Expectancy among the United States Homeless Population. Society of Hospital Medicine's Wiregrass Chapter 2021 Poster Conference, Dothan, AL, USA.
7. Koch, A., Stolzenberg, L., Oakley, et al. (2022, November 18) Non-PTH-Related Hypercalcemia. Society of Hospital Medicine's Wiregrass Chapter 2022 Poster Conference, Dothan, AL, USA.
8. Crawford, A.E., Kafchinski, L.A., Stolzenberg, L., et al. (2023, April 28). Return to Play Guidelines for Benign Cartilage Lesions and Contact Sports - a Case Report and Literature Review. Medical Association of the State of Alabama (MASA), 2023 Research Symposium Poster Abstracts, Huntsville, AL, USA.

Oral Presentations:

1. Stolzenberg, L., Koch, A., Huang, A., et al. (2023, March 09). Necrotizing Fasciitis Presenting as Generalized Weakness, Malaise, and Acute Kidney Injury. Alabama Academy of Science Presentation - 100th Anniversary Conference, Birmingham, AL, USA.
2. Stolzenberg, L., Huang, A., Usman, et al. (2022, November 18). Patient Opinions and Side Effects Before and After General Anesthesia for Surgery. Society of Hospital Medicine's Wiregrass Chapter 2022 Poster Conference, Dothan, AL, USA.
3. Stolzenberg, L., Huang, A., Simpson, D., et al. (2021, October 23). An Analysis of Morbidity, Mortality, and Life Expectancy among the United States Homeless Population. Society of Hospital Medicine's Wiregrass Chapter 2021 Poster Conference, Dothan, AL, USA.
4. Stolzenberg, L. (2022, October 28). Atrial Fibrillation - Grand Rounds Presentation. Southeast Health – Grand Rounds at Ashford Clinic, Ashford, AL, USA.
5. Stolzenberg, L., Huang, A., Usman, et al. (2022, November 18). Survey Investigating the Impact of the Covid-19 Pandemic on the Public Perceptions of Healthcare Professionals. Society of Hospital Medicine's Wiregrass Chapter 2022 Poster Conference, Dothan, AL, USA.
6. Koch, A., Stolzenberg, L., Oakley, K., et al. (2022, November 18). Non-PTH-Related Hypercalcemia of Malignancy. Society of Hospital Medicine's Wiregrass Chapter 2022 Poster Conference, Dothan, AL, USA.
7. Pathak, P., Stolzenberg, L., Quansah, R. (2022, October 01). A Case of Post COVID-19 Thyroiditis. Decatur Morgan Hospital Didactics and Grand Rounds, Decatur, AL, USA.

PROFESSIONAL SOCIETY MEMBERSHIPS

American College of Physicians – Internal Medicine and Subspecialties

American College of Radiology – Resident Member

American Medical Student Association (AMSA)

LEADERSHIP EXPERIENCES

Core Site Student Coordinator - Decatur Morgan Hospital	Jul 2022 – May 2024
Formal Student Mentor (2 students) - ACOM	Jul 2021 – May 2024
American Medical Student Association – Executive Board & National Delegate	Feb 2021 – Apr 2022

Quality Improvement Class Representative for Primary Clinical Skills	Jul 2021 – Dec 2021
Canadian Computer Science Games – School Delegate – 2013 & 2014	Jan 2013 – May 2014

VOLUNTEER EXPERIENCES

Gentiva Hospice – Alzheimer’s Memory Care	Dec 2022 – May 2023
Volunteer Patient Companion – accompanied patient with Alzheimer’s during her last months.	
Athens High School – Clinic for Sports Physical	Apr 2023
Volunteer Sports Physical Medical Assistant – For Student Athletes	
Free Clinic for Unhoused and Uninsured	Oct 2022 – Jan 2023
Volunteer medical assistant at Decatur Morgan Hospital free clinic.	
Local Career Fair for Middle and High School Students	Oct 2022
Volunteer career advisor at fair organized by local government council and Decatur Morgan.	
Free clinic for Unhoused and Uninsured	Mar 2021 – Jun 2022
Volunteer medical assistant for Dothan Samaritan Clinic.	
Angel Tree (Salvation Army)	Dec 2021
Volunteer organizer – Assigned disadvantaged local children’s Christmas lists to volunteers.	
Volunteer Workshop (Dothan Humane Society)	Nov 2021
Volunteer craftsman - Crafted dog beds for local strays.	
International Overdose Awareness Day (Spectra Care)	Sep 2021
Volunteer organizer for the event and participant for candlelight vigil.	
Southeast Health Hospital – COVID-19 vaccination clinic	Feb 2021 – Aug 2021
Volunteer inoculator for local vaccine clinic during the first months of the vaccination campaign.	
Multiple Sclerosis Society of Canada	Sep 2004 – Jun 2006
Volunteer fundraiser and participant in walk for the cure	
Volunteer Peer Tutoring Activity – Académie Lafontaine High School	Sep 2004 – Jun 2005
Volunteer peer tutor for younger students from neighboring schools with difficult home situations.	

CONFERENCES ATTENDED

Global Surgical Innovation Conference – Ann Arbor, MI	Apr 2023
Alabama Academy of Science – 100th Anniversary Annual Convention, Birmingham, AL	Mar 2023
AMSA – Annual National Conference – Washington, D.C.	Apr 2022

LANGUAGES

English	NATIVE
French	NATIVE
Spanish	INTERMEDIATE

CERTIFICATIONS

Licentiate of the Medical Council of Canada (LMCC)	2026
Advanced Cardiovascular Life Support (ACLS)	Current (maintained per residency requirement)
Basic Life Support (BLS)	Current (maintained per residency requirement)
Wilderness Medicine Training	Apr 2022
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Child Abuse – Mandatory Reporting Training	Apr 2022
LGBTQIA+ Culture Competency for Clinicians Training (USC)	Feb 2022
CITI training – Human Research Subjects	May 2021
Learn to Identify and Fight Trafficking (LIFT)	May 2021
CITI Training – Responsible Conduct of Research	Apr 2021
CITI Training – Information Privacy Security for Research	Apr 2021
QPR Suicide Prevention Training	Aug 2020

HOBBIES AND INTERESTS

Antique Watch Collecting	Jul 2022 – Present
• Source, restore, and repair antique mechanical watches for collection and resale.	
Road Biking	Jun 1995 – Present
• Long-distance road and trail cyclist.	
Alpine Skiing	Dec 1994 – Present
• Lifelong alpine skier; former competitive racing team member.	