

## Contact

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(LinkedIn)

## Top Skills

Aerospace Medicine

Human Physiology

Disaster Response

## Certifications

MD

FRCPC

ENLS

# Houman Khosravani

Assistant Professor @ University of Toronto | MD, PhD FRCPC  
Toronto, Ontario, Canada

## Summary

I am a stroke neurologist and neurointensivist specializing in quality improvement and safety. As an assistant professor and staff physician, I have over 9 years of experience (community and academic medicine) in providing high-quality care and education in the fields of vascular neurology, internal medicine, and neurocritical care. I am also proficient in electroencephalography (EEG) in the ICU/critical care environment.

I am passionate about advancing the knowledge and practice of stroke and neurocritical care through research, teaching, and leadership. I have published multiple peer-reviewed articles, mentored students and trainees, and served as the medical director of the inpatient stroke unit at Sunnybrook, transitioning to medical director of stroke for our hospital. I am also involved in various professional associations and committees related to my specialty. My goal is to improve the outcomes and quality of life of patients with complex neurological conditions using pillars of crisis resource management and human factors simulation. I also have expertise in machine learning and its application to patient safety and quality improvement in acute medicine. We recently pioneered the use of machine learning as an assistive technology for swallowing screening of stroke patients. The boundaries of machine learning as applied to patient safety and quality improvement are immense and I would like to participate and lead in developing these applications. Valuing the team, fostering a positive culture, and uplifting the team are key ingredients in fostering a culture of high-team performance.

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## Experience

University of Toronto

Assistant Professor, Division of Neurology, Department of Medicine

April 2019 - Present (5 years)

Toronto, Canada

## Sunnybrook

6 years 6 months

Staff Physician, Division of Neurology, Department of Medicine

April 2019 - Present (5 years)

Toronto, Canada

-Medical Director of Stroke, Sunnybrook Health Sciences Centre (Jan 2024-Present)

-Medical Director, Inpatient Stroke Unit (Apr 2019-Dec 2022)

Clinical Associate (Stroke), Division of Neurology, Department of Medicine, University of Toronto

October 2017 - April 2019 (1 year 7 months)

Toronto, Canada Area

## Southlake Regional Health Centre

Staff Physician (courtesy), Internal Medicine/Critical Care Medicine

January 2015 - Present (9 years 3 months)

Toronto, Canada Area

Feb. 2021-present, Courtesy Staff

2019-Jan. 2021, Staff Physician, Critical Care Medicine

Dec. 2015-2019, Staff Physician Internal Medicine/Critical Care Medicine

## Grand River Hospital

Staff Physician (courtesy), Critical Care Medicine

June 2018 - Present (5 years 10 months)

Kitchener, Ontario, Canada

Intensivist and Internist

## NORSE Institute ([norseinstitute.org](http://norseinstitute.org))

Medical Advisory Board Member

September 2014 - Present (9 years 7 months)

## Canadian Neurocritical Care Society ([neurocriticalcare.ca](http://neurocriticalcare.ca))

Secretary

September 2016 - Present (7 years 7 months)

## Cambridge Memorial Hospital

Physician Lead, Critical Care Medicine

January 2016 - August 2018 (2 years 8 months)

Cambridge, Ontario

Jan. 2016 to Aug. 2017 - Intensivist/Internist

Sept. 2017 - Aug. 2018 - Physician Lead, ICU

Sept. 2017 - Aug. 2018 - Director of Education

Revitalized and developed the Critical Care program at CMH.

As of Aug. 2018, transitioning to focus on stroke and neurocritical care.

### Sunnybrook Health Sciences Centre

Fellow, Neurocritical Care and ICU-EEG

June 2016 - June 2017 (1 year 1 month)

Toronto, Canada Area

Neurocritical care fellow: ICU fellow on "Blue Team", Neurocritical Care/Neuro-Trauma team at Sunnybrook Health Sciences CRCU, in addition to B5ICU, Neuro step-down unit.

EEG Fellow - responsible for reading all critical care EEGs at Sunnybrook, supervised by Dr. Bryan Young

### London Health Sciences Centre (LHSC)

Adjunct Professor and Clinical Associate

January 2016 - June 2017 (1 year 6 months)

London, Canada Area

Clinical Associate, Adjunct Professor, Critical Care Medicine

### Lakeridge Health

Intensivist (Locum)

December 2015 - June 2016 (7 months)

### Western University

Resident Physician, Critical Care Medicine

January 2014 - December 2015 (2 years)

University Hospital, Victoria Hospital

### University of Toronto

3 years 6 months

Resident Physician, Internal Medicine

July 2012 - December 2013 (1 year 6 months)

Resident Physician, Neurology

July 2010 - June 2012 (2 years)

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## Education

University of Calgary

MD/PhD Program - Doctor of Medicine (M.D.), Medicine · (2007 - 2010)

University of Calgary

MD/PhD Program - Doctor of Philosophy (Ph.D.), Neuroscience · (2003 - 2007)

University of Toronto

Master's Degree, Physiology - Neuroscience · (2000 - 2002)

York University

Bachelor's Degree, Astronomy/Astrophysics and Biology · (1995 - 2000)

The University of Texas Medical Branch

Aerospace Medicine Internship, Aerospace · (October 2010 - November 2010)