



The Ottawa  
Hospital  
Research Institute

L'Hôpital  
d'Ottawa  
Institut de recherche

Affiliated with • Affilié à



uOttawa

## Health AI and Data Science (HAD) Journal Club Series

# Novel View Synthesis of Coronary Arteries from Rotational X-ray Angiography

Tuesday, October 29th, 2024 | 3:00 PM – 4:00 PM

### Learning Objectives

- Basics of rotational X-ray angiography
- Intro to novel view synthesis (NVS) and neural radiance fields (NeRFs)
- Application of NVS in Coronary Artery Imaging
- Differences between MedNeRF and StyleNeRF models
- Clinical implications – reducing scans and contrast dye usage
- Current challenges and future improvements



**Jay Kshirsagar**

Graduate Research Trainee, UOHI

Please email [emmabrown1@ohri.ca](mailto:emmabrown1@ohri.ca) if you would like to be added the HAD MS Teams group / mailing list.

Inspired by research.    Inspiré par la recherche.  
Driven by compassion.    Guidé par la compassion.