
Session Moderator: Dr. Josée Paradis

8:00 – 8:05 Welcome and introduction (Dr. Josée Paradis)

Nichols Lab

8:05 – 8:14 **Peter Zeng** (Supervisor: Dr. Anthony Nichols)
Immune-Cell Signature Predicts Survival in Human Papillomavirus-Associated Head and Neck Cancer

8:14 – 8:23 **Hugh Kim** (Supervisor: Dr. Anthony Nichols)
Tumor Molecular Differences Contribute to Outcome Disparities in Head and Neck Squamous Cell Carcinomas from Patients of Different Racio-Ethnic Backgrounds

8:23 – 8:32 **Hugh Kim** (Supervisor: Dr. Anthony Nichols)
All HPV-Negative Head and Neck Cancers Are Not The Same: Analysis of the TCGA Dataset Reveals That Anatomical Sites Have Distinct Molecular Profiles

8:32 – 8:42 Discussion

8:42 – 8:51 **Alana Sorgini** (Supervisor: Dr. Anthony Nichols)
Analysis of the TCGA Dataset Reveals That Subsites of Laryngeal Squamous Cell Carcinoma are Molecularly Distinct.

8:51 – 9:00 **Mushfiq Shaikh** (Supervisor: Dr. Anthony Nichols)
The Deletion of LRP1B Is Associated with Acquired Chemo-Radio Resistance in HPV-Positive HNSCC

9:00 – 9:09 **Imran Khan** (Supervisor: Dr. Anthony Nichols)
Novel Genes Responsible for Progression of Well-Differentiated Thyroid Cancer to Advanced Thyroid Cancer Phenotypes

9:09 – 9:18 **Jake Wihlidal** (Supervisor: Dr. Adrian Mendez)
Characterizing Squamous Cell Carcinoma Growth Rate of the Oral Cavity: A Retrospective Pilot Study of Pathologic and Clinical Correlates

9:18 – 9:28 Discussion

9:28 – 9:32 Break

Machine Learning/Medical Education

9:32 – 9:41 **Tricia Chinnery** (Supervisors: Dr. Anthony Nichols and Dr. Sarah Mattonen)
Predicting Outcomes for Oropharyngeal Cancer Patients Through Machine Learning Techniques

9:41 – 9:50 **Hasitha Wimalarathna** (Supervisors: Dr. Sumit Agrawal and Dr. Hanif Ladak)
Application of Machine Learning to Improve Interpretation of Audiological Tests

9:50 – 9:55 Discussion

Medical Education

9:55 – 10:04 **Mary Ott** (Supervisor: Dr. Kathryn Roth)
A Blackboxed Numbers Game: Exploring Needs for a Resident Dashboard in Cbme

Laryngology

10:04 – 10:13 **AJ Macdonald** (Supervisor: Dr. Kevin Fung)
Self-Treatment of the Professional Voice: The Prevalence of Complementary and Alternative Medicine in Professional Voice Users

10:13 – 10:18 Discussion

Agrawal / Ladak Lab

10:18 – 10:27 **Evan Simpson** (Dr. Sumit Agrawal and Dr. Hanif Ladak)
Real-Time Performance Metrics for a Temporal Bone Drilling Training Simulator

10:27 – 10:36 **Alireza Rohani** (Dr. Sumit Agrawal and Dr. Hanif Ladak)
Breaking the Resolution Barrier for 3d Imaging of Human Cochleae

10:36 – 10:45 **Luke Helpard** (Dr. Sumit Agrawal and Dr. Hanif Ladak)
The Development of a Patient Specific Cochlear Implant Pitch Mapping Function

10:45 – 10:55 Discussion

10:55 – 11:05 Break

Quality Improvement

11:05 – 11:14 **Suhaima Tunio** (Supervisor: Dr. Julie Strychowsky)
Optimizing Perioperative Antimicrobial Prophylaxis in Otolaryngology-Head and Neck Surgery

11:14 – 11:23 **Sebastian Aniol** (Supervisor: Dr. Julie Strychowsky)
Improving Pediatric Tracheostomy Patient Adherence to Emergency Tracheostomy Kit Care

11:23 – 11:28 Discussion

Pediatric Otohns

11:28 – 11:37 **Karan Gandhi** (Supervisor: Dr. Julie Strychowsky)
Development and Validation of a Tool to Assess Patient Satisfaction for Minor Paediatric Surgical Procedures

11:37 – 11:46 **Karan Gandhi** (Supervisor: Dr. Julie Strychowsky)
Anticholinergic Treatment for Sialorrhea in Children: A Systematic Review

11:46 – 11:51 Discussion

Facial Plastics

11:51 – 12:00 **Brooke O'Donnell** (Supervisors: Dr. Kathryn Roth and Dr. Silvia Penuela)
Pannexin 3 Channels in Skin Health and Keratinocytic Cancers

12:00 – 12:09 **Kenneth Ip** (Supervisor: Dr. Corey Moore)
Biomechanical Impact of a Zygoma Complex Fracture Using Human Cadaver

12:09 – 12:14 Discussion

12:14 – 12:19 Thank You and Closing Remarks