



Canadian Society of Otolaryngology-Head and Neck Surgery

74th ANNUAL MEETING
September 26 – November 14, 2020

“Quality and Excellence in Otolaryngology-Head and Neck Surgery”

GENERAL OHNS WORKSHOPS

TUESDAY, SEPTEMBER 29

08:00 p.m. - 08:50 p.m. **Artificial Intelligence for the Otolaryngologist: Looking Past the Hype – M. Crowson, A. Eskander, J. de Almeida, Toronto, ON**

LEARNING OBJECTIVES

By the end of the workshop participants will be able -

1) To appreciate the potential for machine learning algorithms to accelerate research bottlenecks, 2) To identify opportunities and challenges in the deployment of artificial intelligence systems at the clinic and health systems levels, and 3) To understand the basic “work flow” of a machine learning project.

ABSTRACT

Objectives - Artificial intelligence (AI) offers the prospect of forging new rules and boundaries beyond those that are offered by human-expert informed statistic paradigms. We aim to introduce the advantages of AI algorithms to research and point-of-care settings in domains relevant to Otolaryngologists. We also showcase an actual machine learning project workflow to allow the audience to look “behind the curtain” on the computer code that comprise a machine learning algorithm. **Methods** - Three otolaryngologists with significant research and practical experience in applying “big data” approaches to research queries in Otolaryngology will present an overview of AI as a field, as well as specific use-cases that have been published in otolaryngology journals. The panelists will also highlight logistic, regulatory, and ethical barriers to be considered before AI system implementation. The workshop will conclude with an easy to follow walk-through of one of the panelists’ active projects to illustrate computer engineering principles and the relative ease for which machine learning is applied to data. **Results** - Data from current literature will be reviewed and presented. Methodology from one of the authors’ current projects will be reported. **Conclusions** - One of the major roadblocks against the implementation of AI to challenges in health care is the availability of sufficient high-quality data. We need to think thoughtfully about how best to collect high quality data to serve value-based ends and outcomes at regional and provincial systems levels. We encourage Otolaryngologists and their allies to consider opportunities for where AI may improve their practice or academic projects.

TUESDAY, OCTOBER 6

08:00 p.m. - 08:50 p.m. **QI Tools for Otolaryngologists-Head and Neck Surgeons - J. Strychowsky, London, ON**

LEARNING OBJECTIVES

1. By the end of this workshop, participants will be able to describe key QI tools and demonstrate how they can be used to improve quality and safety in healthcare. 2. By the end of this workshop, participants will demonstrate strategies for integrating QI concepts into the residency curriculum.

ABSTRACT

Improving quality, safety, and value of is at the forefront of the health care agenda. This workshop will describe and demonstrate the use of key tools to improve the quality of care and patient safety within Otolaryngology-Head and Neck Surgery. Frameworks and strategies for the successful design and implementation of quality improvement (QI) initiatives will be presented. Case examples including how to improve the timeliness of discharge summary distribution will demonstrate relevant QI methodology. Participants will have the opportunity to work in small groups to gain experience with a variety of QI tools. Tools include: developing a problem statement, designing key metrics and project goals, performing a stakeholder analysis, root cause

analysis, identifying interventions, using the A3 framework, Plan, Do, Study, Act (PDSA) cycles, and project premortem. Ways to teach QI concepts to residents are demonstrated.

TUESDAY, OCTOBER 13

08:00 p.m. – 08:50 p.m. **Your Journal of OTOHNS – Submit, Review & Get Involved – D. Chepeha**, Toronto, ON, **B. Rotenberg**, London, ON, **L. Sowerby**, London, ON, **M. Aron**, Vancouver, BC, **D. O’Connell**, Edmonton, AB, **P. Pace-Asciak**, Kamloops, BC, **E. Deane**, Vancouver, BC, **J. Siu**, Toronto, ON

LEARNING OBJECTIVES

1. Learn how to submit a successful manuscript. 2. Understand how an online journal works and the responsibilities of the various roles. 3. Understand the future strategy and the direction of the journal.

ABSTRACT

Come meet us. Editors-in-chief, Associate Editors and Publishers will be on hand. This workshop will include several sections. There will be a section on tips for successful submission. There will be a section on how the journal works and what is involved with the various positions. There are many ways to get involved. We are always looking for assistance and ideas. At the end of the workshop the future strategy will be outlined as well as a discussion of how to access, develop and expand our online content. Time will be available for question and answer.

THURSDAY, OCTOBER 29

08:00 p.m. – 08:50 p.m. **An Institutional Response to Second Victims: Recognition Assessment and Healing**
- **D. Eibling**, Pittsburgh, PA, **K. Kost**, Montreal,

LEARNING OBJECTIVES

Learners will: 1. Know what is meant by term “second victim”; 2. Learn how some hospitals respond; 3. Be able to promote institutional response at the learner’s institution.

ABSTRACT

Albert Wu pointed out in a seminal report two decades ago the impact of the emotional injury suffered by healthcare workers who are involved with, and often responsible for, patient injury. (BMJ 2000) Dr Wu coined the term “second victim” to describe the effects of this trauma on these well-meaning, but often devastated, healthcare workers who find themselves involved with a serious adverse event, or even the untoward death, of a patient under their care. Increasing awareness of how this emotional injury impacts the healthcare worker, their colleagues, families, and patients, has led to a new emphasis on recognition, assessment, and counselling in an effort to help “heal” the healthcare worker. In response several hospital systems, most notable the University of Missouri and Johns Hopkins University, have introduced formal second victim support programs to facilitate healing of this emotional injury. Recently ‘The Joint Commission’ recommended that all hospitals should consider establishing a formal support system for “second victims.” This workshop will utilize lectures to introduce the concept of “second victim” to the learners and will review established programs that are in place, as well as the program currently being introduced at one of the presenter’s (DE) hospitals. The learners will gain insight into the challenges encountered in developing an institutional program, as well as an outline of the program including training scenarios utilizing role-playing actors. The presenters will demonstrate helpful (and contrasting unhelpful) counselling strategies that may assist the healing process for the second victim.