



Canadian Society of Otolaryngology-
Head & Neck Surgery

64th Annual Meeting Niagara Falls, ON

"Technology Transforming Patient Care"

Overall Learning Objectives

This meeting offers delegates the unique opportunity to learn from experts (academic and community) and share their own professional experience in various areas of otolaryngology-head and neck surgery. Participants are encouraged to critically investigate and challenge how technologies can transform patient care.

- To offer podium and poster presentations of up-to-date clinical and scientific material with special focus on technological advancement in otolaryngology-head and neck surgery.
- To present a variety of workshops, panels and subspecialty sessions to provide more focused subject matter in an interactive setting.
- To provide a platform for constructive discussions on general otolaryngology as well as subspecialty areas including head / neck oncology, laryngology, rhinology, otology, neurotology, pediatric otolaryngology, facial cosmetic reconstructive surgery and medical education.
- To promote an atmosphere of academic, professional and social interaction among Society members, allied health providers and honored guests and corporate partners.

64th Annual Meeting Niagara Falls, ON

May 23 – 25, 2010 – SHERATON ON THE FALLS HOTEL

Sunday, May 23, 2010

Great Room C

Opening Session (CPD credit hrs – 3.25)

Chair: Dr. Joseph C. Dort, Calgary, AB

- 08:00 – 08:20 Presidential Address and introduction of Guest of Honour – Dr. Joseph Dort, CALGARY, AB
- 08:20 – 08:30 Guest of Honour – Dr. Julian Nedzelski, TORONTO, ON
- 08:30 – 08:35 Introduction of Guest Speaker Dr. Douglas Chepeha – Dr. Joseph Dort, CALGARY, AB
- 08:35 – 09:20 **Treatment Selection in Head and Neck Cancer: The Value of Customizing Therapy** – Dr. Douglas Chepeha, ANN ARBOR, MI
- 09:20 – 09:25 Introduction of Special Presentation on Undergraduate Medical Education – Dr. Joseph Dort, CALGARY, AB
- 09:25 – 09:40 **Educating the eGeneration: Unifying the Curriculum from Website to Bedside** – Dr. Kevin Fung, LONDON, ON
- 09:40 – 10:10 COFFEE BREAK
- 10:10 – 10:15 Introduction of Guest Speaker Dr. Ross Mitchell – Dr. Joseph Dort, CALGARY, AB
- 10:15 – 11:00 **Virtual Biopsies: Non-invasive Molecular Diagnosis of Cancer** – Dr. Ross Mitchell, CALGARY, AB
- 11:00 – 11:05 Introduction of Special Speaker Dr. Antonia Maioni – Dr. Andre Tan, KINGSTON, ON
- 11:05 – 11:50 **Health Reform in Canada and the United States** – Dr. Antonia Maioni, MONTREAL, QC
- 11:50 – 13:15 LUNCH AND VISIT TO EXHIBITS

Sunday, May 23, 2010

Great Room C

Workshop #1 (CPD credit hrs – 0.75)

- 13:15 – 14:00 **Systematic Review and Meta-analysis: A Guide for Otolaryngologists** – D.R. Schramm, N. Barrowman, D. Fergusson, OTTAWA, ON

LEARNING OBJECTIVES

At the end of the symposium, the attendees should be able to:

- understand the processes involved in the design, conduct, and analysis of a systematic review and meta-analysis;
- be able to critically appraise both a published systematic review and meta-analysis;

- identify opportunities for conducting a systematic review or meta-analysis.

Workshop #2

14:00 – 15:00 **Current Management of Epistaxis** - B.W. Rotenberg, L. Maxwell, I. Witterick, D. Lee, LONDON, ON

LEARNING OBJECTIVES

- 1) After attending the workshop, participants will be able to describe current thinking on the management of epistaxis.
- 2) After attending the workshop, participants will understand options available to manage epistaxis both in the community and in academic settings.
- 3) After attending the workshop, participants will understand the relative role of surgery versus interventional radiology in managing severe nosebleeds.

15:00 – 15:30 COFFEE AND VISIT TO EXHIBITS

Workshop #3 (CPD credit hrs – 0.75)

15:30 – 16:15 **Clinical Importance of Bacterial Biofilms in Chronic Sinus and Ear Disease** – S.J. Kilty, M.Y. Desrosiers, D. Morris, OTTAWA, ON

LEARNING OBJECTIVES

- 1) By the end of this session the audience member will be aware of what a biofilm is, how a bacterial biofilm forms, and methods of identification of a biofilm.
- 2) By the end of this session the audience member will be able to describe the current principles for the treatment of biofilm disease.
- 3) By the end of the session the audience member will be able to describe the importance biofilms in chronic disease of the paranasal sinuses and middle ear.

Workshop #4 (CPD credit hrs – 0.75)

16:15 – 17:00 **Are Biomarkers Ready for Prime Time?** - D. Chepeha, Ann Arbor, MI

Workshop #5 (CPD credit hrs – 1.00)

17:00 – 18:00 **Challenges in Pediatric Otology** – S. Daniel et al

LEARNING OBJECTIVES

At the end of this symposium the participants will be able to

- Gain knowledge in novel approaches to pediatric cholesteatoma in children.
- Integrate current best practice guidelines for otitis media.
- Discover pearls to managing the chronically draining ear.
- Learn the latest on BAHA surgery and its indication.

Sunday, May 23, 2010
Strategy Room 2

Workshop #6 (CPD credit hrs – 0.75)

13:15 – 14:00 ***Facial Trauma for the Otolaryngologist - Head and Neck Surgeon-*** C.C. Moore, LONDON, ON

LEARNING OBJECTIVES

Participants should be able to

1. understand relevant reconstructive issues when dealing with maxillofacial trauma;
2. recognize the importance of incision camouflage in facial trauma;
3. understand basic concepts and technique used in treating the facial trauma patient
4. explore the possibilities for the use of endoscopic approaches in facial trauma.

Workshop #7 (CPD credit hrs – 1.00)

14:00 – 15:00 ***Sunnybrook Otology Workshop: Cochlear Implantation in 2010*** - J. M. Chen, J. Nedzelski, V. Lin, D. Shipp, L. Freisen, TORONTO, ON

LEARNING OBJECTIVES

At the end of the workshop, the learner should be able to....

1. Define current Implantation criteria among adults.
2. Appreciate the level of performance achievable through cochlear implantation.
3. Realize a basic understanding of the current implant technology and indications for hearing preservation and bilateral implantation.
4. Look into the future.

15:00 – 15:30 COFFEE AND VISIT TO EXHIBITS

Workshop #8 (CPD credit hrs – 0.75)

15:30 – 16:15 ***Peer Review for the Practising Otolaryngologist, and How to Become an Expert Reviewer at the Journal*** - B.W. Blakley, WINNIPEG, MB, H. Seikaly, E. Wright, EDMONTON, AB, I. Witterick, TORONTO, ON

LEARNING OBJECTIVES

After this presentation the participants will:

1. Have a better understanding of the peer review process as it applies to clinical practice and,
2. Will be willing and able to participate in academic publishing.
3. Acquire the skills for becoming a competent reviewer

Workshop #9 (CPD credit hrs – 0.75)

16:15 – 17:00 ***Nasal Reconstruction for the Otolaryngologist-Head and Neck Surgeon***
– S. M. Taylor, HALIFAX, NS

Sunday, May 23, 2010
Strategy Room 3

Workshop #10 (CPD credit hrs – 0.75)

13:15 – 14:00 ***Surgical Simulation in Otolaryngology*** - S.K. Agrawal, H.M. Ladak,
LONDON, ON

LEARNING OBJECTIVES

At the end of the workshop, attendees will:

- 1) have an understanding of the current status of surgical simulation in Otolaryngology in Canada;
- 2) have an appreciation of both experimental and commercially available surgical simulators around the world;
- 3) be able to critically evaluate these simulators for both validity and skills transfer;
- 4) be able to assess whether surgical simulation should be implemented in their own practices and training programs.

Workshop #11 (CPD credit hrs – 1.00)

14:00 – 15:00 ***Controversies in Oral Cancer*** - K.A. Pathak, P. Kerr, R.W. Nason, N. R.
Viallet, D.S. Sutherland, WINNIPEG, MB

LEARNING OBJECTIVES

By the end of 90 minutes the practising otolaryngologists and residents will be able to understand the existing evidence about the controversies in management of premalignant and malignant lesions of oral cavity, apply the state of art knowledge gained on management of node negative neck, mandible preserving alternatives and options of reconstruction as well as weigh them against current standard of care.

15:00 – 15:30 COFFEE AND VISIT TO EXHIBITS

Workshop #12 (CPD credit hrs – 0.75)

15:30 – 16:15 ***Laryngeal Papillomatosis in Adults*** - K.M. Kost, MONTREAL, QC, T. Brown,
HALIFAX, NS, M. Allegretto, EDMONTON, AB, D. Bosch, CALGARY, AB, M.
Morrison, VANCOUVER, BC, J. Anderson, TORONTO, ON, D. Eibling, USA,
K. Fung, LONDON, ON

LEARNING OBJECTIVES

At the end of the workshop, participants will:

1. Understand the etiology of adult respiratory papillomatosis.
 2. Be aware of viral subtypes and their impact on disease.
 3. Appreciate the pathophysiology of the disease.
 4. Know how and when to apply the various treatment options.
 5. Be aware of new developments.
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Monday, May 24, 2010
Great Room C

Papers: General Otolaryngology (CPD credit hrs – 2.00)

Chair: Dr. L. Maxwell, Saint-John, NB

08:00 – 08:08 ***Incidence of Respiratory Complications after Tonsillectomy*** - A.
Darnbrough, D. Leitao, WINNIPEG, MB

08:08 – 08:16 ***Codeine Safety in Post-operative Children: A Systematic Review*** - B.
Hassounah, G. Guyatt, D. Leitao, WINNIPEG, MB

LEARNING OBJECTIVES

The audience will achieve good understanding of the current evidence for the safety of oral codeine use in post-operative children. This can be used to identify potentially high-risk patients and improve current prescription practices.

08:16 – 08:24 ***Quality of Life in Children After Tonsillectomy +/- Adenoidectomy for Recurrent Tonsillitis*** - M. Shakeel, A. Trinidad, C. Claire, K.W. Ah-See,
ABERDEEN, SCOTLAND

LEARNING OBJECTIVES

- Highlight the indications for surgical intervention for recurrent tonsillitis.
- Present a summary of current literature on the QoL improvement after tonsillectomy.
- Share our experience of using a validated QoL tool - Glasgow Children Benefit Inventory.
- By the end of our presentation the audience would have acquired enough familiarity with QoL measurement using GCBI that they may want to use this tool for analyzing their local practice.

08:32 – 08:40 ***Hyoid Procedures in Sleep Apnea Surgery: An Evidence Based Review***
J.K.M. Chau, R. L Goode, Palo Alto, CA

LEARNING OBJECTIVES

1. Review the Oxford classification and grading of Medical literature.
2. Understand the various techniques of hyoid myotomy and suspension.
3. Understand the current indications for hyoid myotomy and suspension.
4. Understand the current body of evidence supporting the utility of hyoid myotomy and suspension in the surgical treatment of sleep disordered breathing.

08:40 – 08:48 ***Approach to Choanal Adenoids: Why Should We Care?*** - N. Cohen, J.
Manoukian, MONTREAL, QC

LEARNING OBJECTIVES

By the end of the presentation, a first year resident in OTL HNS will be able to describe and recognize choanal adenoids. They will learn to assess patients with various degrees of adenoid hypertrophy when operating on and to value the importance of recognizing and carefully managing choanal adenoids. The session will be interactive, ensuring audience participation and learner assessment.

08:48 – 08:56 ***Use of Autoinflation Using Otovent® Device in Adults*** - R.J. Glore, A. Rokade, D.W. Skinner, SHREWSBURY, SHROPSHIRE, UK

LEARNING OBJECTIVES

This pilot study is the first step in evaluating Otovent® device application in adults with blocking and popping sensation in the ears and otitis media with effusion. Our aim is to use the study as a stepping stone in a prospective study with a greater number of participants to have more statistically significant results.

09:04 – 09:12 ***Equality of Care in Bilateral Myringotomy with Tympanostomy Tube Insertion*** – A. Li, A. Tan, D. Zoutman, KINGSTON, ON

09:12 – 09:20 ***The Impact of the Aging Population on Canadian Otolaryngology Practice*** - R. Varshney, C. Szeto, K.M. Kost, MONTREAL, QC

LEARNING OBJECTIVES

By the end of this presentation, the audience will be able to:

- 1) Appreciate the prevalence of elderly patients in Canadian Otolaryngology practice.
- 2) Identify common otolaryngological complaints of the elderly and challenges of treating this age group.
- 3) Understand Otolaryngologists' perceptions of Geriatric Otolaryngology.

09:28 – 09:36 ***Holmium-YAG Laser Salivary Stone Fragmentation Efficiency*** - R. A. Irvine, B. Homayoon, S. Swanson, VANCOUVER, BC

LEARNING OBJECTIVES

1. To discuss the in vitro fragmentation efficiency of various pulse-frequency and energy settings of the Holmium-YAG laser when used in salivary stone lithotripsy.
2. To discuss the optimal Holmium-YAG laser settings for clinical applications of endoscopic salivary laser lithotripsy.

09:36 – 09:44 ***Flexible Esophagogastroscopy and Bronchoscopy for the Community Otolaryngologist*** - S. Jackson, HAMILTON, ON

LEARNING OBJECTIVES

- 1) To bring flexible endoscopy back into the realm of the otolaryngologist.
- 2) To create a positive attitude to these problems in the bronchoesophageal field so that at the conclusion of the presentation there is enthusiasm to pursue these procedures.
- 3) To elicit from the audience if they feel there is a need for a course, or if residency training and the use of the flexible nasopharyngoscope will give them enough of a comfort zone, after touching on technique, to proceed with flexible gastroscopy and bronchoscopy.
- 4) At the completion of this session I would expect the general otolaryngologist with experience in traditional rigid endoscopy will seriously consider flexible endoscopy without requiring any formal training as well as relate to the indications and diagnostic benefits.

09:44 – 09:52 ***Perspectives on the Management of Posterior Epistaxis: A Survey of Canadian Otolaryngologists*** - S. Tam, B. Rotenberg, LONDON, ON

LEARNING OBJECTIVES

1. By the end of this session, the audience will be able to describe the current trends in the treatment of posterior epistaxis among Canadian otolaryngologists as described in this study.
2. By the end of this session, the audience will be able to describe the beliefs and preferred management of complications from posterior nasal packing held by Canadian otolaryngologists as described in this study.
3. By the end of this session, the audience will be able to consider the necessity of new guidelines for the management of posterior epistaxis and posterior nasal packing, given the findings from this study.

10:00 – 10:30 COFFEE AND VISIT TO THE EXHIBITS

Monday, May 24, 2010 Great Room C

Papers: Education and Research (CPD credit hrs – 1.50)

Chair: Dr. A. Tan, KINGSTON, ON

10:30 – 10:38 *Evaluation of the Long-Term Retention of a Three Dimensional Educational Computer Model of the Larynx* - F.K. Dieter, A. Hu, T. Wilson, H. Ladak, P. Haase, P. Doyle, K. Fung, REGINA, SK

LEARNING OBJECTIVES

- By the end of this session, the medical educator will be able to describe the long term retention of an educational intervention to teach laryngeal anatomy to health sciences student.
- By the end of this session, the medical educator will be able to describe the effect of model fidelity in teaching health sciences students laryngeal anatomy.

10:38 – 10:46 *The Ovine Middle Ear: Comparative Anatomy and Relative Anatomy. A Model for Surgical Training and Research* - D. Pothier, S. MacKeith, TORONTO, ON

LEARNING OBJECTIVES

- After listening to the presentation, the audience members will have knowledge of the comparative anatomy of the ovine and human middle ears
- After listening to the presentation, the audience members will be able to apply knowledge of the ovine middle ear to use it as a training model for stapedectomy

10:46 – 10:54 *The Development and Evaluation of a Computer Assisted Learning Module Demonstrating the Anatomy of the Cranial Nerves* - J. C. Yeung, K. Fung, T. Wilson, LONDON, ON

LEARNING OBJECTIVES

By the end of this session, the participant will be able to describe one of several current research endeavours being undertaken at the University of Western Ontario investigating the efficacy of online, computer assisted learning modules, specifically pertaining to their use in teaching cranial nerve anatomy.

11:00 – 11:08 **Factors Influencing Research Productivity in Canadian Otolaryngologists** - M. Duval, S. Daniel, OTTAWA, ON

LEARNING OBJECTIVES

- Describe the access to research-related resources of Canadian otolaryngologists.
- Describe the factors limiting research activity in Canadian otolaryngologists.

11:08 – 11:16 **Global Health Training in Otolaryngology Residency: Considerations for Creation of Infrastructure** - H. Javidnia, L. McLean, OTTAWA, ON

LEARNING OBJECTIVES

- By the end of this session the audience will have knowledge of the importance of several factors which should be considered when creating infrastructure for resident participation in Global Health Initiatives.

11:20 – 11:38 **A Multifaceted Inter-Specialty Approach to Teaching Advanced Airway Management Skills** – K. Richardson, R. Varshney, F. Ramadori, A. Guzzo, K. Kost, S. Daniel, J. Manoukian, L. Nguyen, MONTREAL, QC

11:28 – 11:36

How We are Subliminally Anchored in Our Clinical Decision-making: The Effect of Arbitrary Coherence: A Randomised Controlled Trial - B. Hubbard, K. Mason, D. Pothier, TORONTO, ON

LEARNING OBJECTIVES

- After listening to the presentation, the audience members will be able to understand the role of arbitrary coherence in clinical decision-making and use this knowledge to predict where subliminal anchors may affect clinical outcomes.

11:36 – 11:44 **The Effectiveness of Webcast Versus Didactic Lectures as a Teaching Tool** - H. Javidnia, J.-P. Vaccani, OTTAWA, ON

LEARNING OBJECTIVES

By the end of this session teachers at all levels will have knowledge of the effectiveness and benefits of webcast lectures as a teaching tool, as well as an example of its implementation when deciding on the format of a teaching session.

12:00 – 13:30 LUNCH AND VISIT TO EXHIBITS

Monday, May 24, 2010 Great Room C

Poliquin Residents Competition (CPD credit hrs – 3.50)

Chair: Dr. E. Massoud, HALIFAX, NS

13:00 – 13:10 Introduction and outline of competition – E. Massoud, Awards Chair, HALIFAX, NS

13:10 – 13:22 **Accuracy and Reproducibility of Automatic vs Manual Registration Using a Cone Beam CT Image Guidance System** - D. Dalgorf, M. Daly, J. Irish, University of Toronto, TORONTO, ON

- 13:22 – 13:34 ***The Effects of Temperature on Tensile Strength of Otomimic in Ossicular Reconstruction*** - P. Pace-Asciak, N. Longridge, University of British Columbia, VANCOUVER, BC
- 13:34 – 13:46 ***A Customized Stent To Secure The Airway In An Animal Model Of Bilateral Vocal Cord Paralysis: A Pilot Study*** - E. Prisman, N. Chadha, A. Gordon, P. Campisi, M. Estrada, V. Forte, University of Toronto, TORONTO, ON
- 13:46 - 13:58 ***Can We Predict a Difficult Intubation in Cleft Lip and - or cleft Palate Patients?*** - I. Arteau-Gauthier, A. Godbout, J.E. Leclerc, Université Laval, Quebec, QC
- 13:58 – 14:10 ***A Double-blinded Randomized Controlled Trial of Medication-soaked Meroceol Versus Meroceol Applications for Endoscopic Sinus Surgery*** - E. Chang, E. Akbari, A. Ostry, T. Alandejani, A. Javer, University of British Columbia, VANCOUVER, BC
- 14:10 – 14:22 ***Using Photodynamic Therapy as a Neoadjuvant Treatment in the Surgical Excision of Non-melanotic Skin Cancers: A Prospective Study*** - G. Jeremic, M. Brandt, K. Jordan, C. Moore, University of Western Ontario, LONDON, ON
- 14:22 – 14:34 ***Healing Time of Radial Forearm Free Flap Donor Sites After Pre-operative Tissue Expansion: A Randomized Controlled Trial*** - P. Bonaparte, M. Corsten, M. Allen, University of Ottawa, OTTAWA, ON
- 14:34 – 14:46 ***Automated Hearing Tests: Applying The Otogram To Patients Who Are Difficult To Test*** - J. Yu, A. Ho, A. Ostevik, W. Hodgetts, University of Alberta, EDMONTON, AB
- 14:46 – 14:58 ***Open versus Endoscopic Septoplasty: A Blinded Randomized Controlled Trial*** - Paradis, B. Rotenberg, University of Western Ontario, LONDON, ON
- 14:58 – 15:24 COFFEE BREAK AND VISIT TO EXHIBITS
- 15:24 – 15:36 ***Endpoints for Cisplatin Ototoxicity*** - K. Qureshy, B. Blakley, University of Manitoba, WINNIPEG, MB
- 15:36 – 15:48 ***The Effect of Fibula and Anterolateral Thigh Free Flaps on the Gait of Head & Neck Cancer Patients*** - K.I. Macdonald, S.M. Taylor, J.R.B. Trites, M.J. Dunbar, A. Henigar, R.D. Hart, Dalhousie University, HALIFAX, NS
- 15:48 – 16:00 ***Functional Outcomes and Laryngectomy Free Survival after Transoral CO2 Laser Microsurgery for Stage 1 & 2 Laryngeal Carcinoma*** - M. Kujath, C. Myers, F. Bemaker, P. Kerr, University of Manitoba, WINNIPEG, MB
- 16:00 – 16:12 ***McGill Thyroid Nodule Scoring System (MTNSS): "Rating the Risk" - A Novel Predictive Scheme for Cancer Risk Determination*** - N. Sands, S. Karls, A. Amir, M. Tamilia, L. Rochon, M. Hier, R. Payne, McGill University, MONTREAL, QC
- 16:12 – 16:24 ***The Value of 3D Stereolithographic Modelling in Head and Neck Reconstruction: A Prospective Trial*** - P. Dziegielewski, J. Zhu, B. King, P. Singh, J.R. Harris, H. Seikaly, University of Alberta, EDMONTON, AB
- 16:24 – 16:36 ***Heparin vs Tirofiban in Microvascular Anastomosis: A Randomized Controlled Trial in a Rat Model*** - P. Singh, L. Zhu, P. Dziegielewski, J.R. Harris, H. Seikaly, University of Alberta, EDMONTON, AB
- 16:36 – 16:48 ***Addressing Animal Model Issues in Auditory Research*** - S. Alsaleh, B. Blakley, University of Manitoba, WINNIPEG, MB
- 16:48 – 17:00 ***Oropharyngeal Squamous Cell Carcinoma and HPV-associated Cancers in Women: An Epidemiological Evaluation of Association*** - V. Biron, D.W. Côté, H. Seikaly, University of Alberta, EDMONTON, AB

Monday, May 24, 2010 Strategy Room 2

Paper Presentations: Rhinology (CPD credit hrs – 1.50)
Chair: Dr. I. Witterick, TORONTO, ON

08:00 – 08:08 ***Olfactory Dysfunction in Allergic Fungal Sinusitis*** - A. Thamboo, C. Philpott, L. Lai, A. Akbari, A. Javer, VANCOUVER, BC

08:08 – 08:16 ***Utilization of Complementary and Alternative Medical Therapies for Chronic Rhinosinusitis: A Canadian Perspective*** - K.A. Bertens, B.W. Rotenberg, LONDON, ON

LEARNING OBJECTIVES

- 1) After hearing the presentation, the learner will be able to describe the pattern of use of CAM therapy for sinus disease in Canada
- 2) After hearing the presentation, the learner will gain an appreciation for the factors influencing use of CAM therapy in treating chronic sinus disease
- 3) After hearing the presentation, the learner will understand the types of CAM therapy used to treat chronic sinus disease, and what the relative merits and drawbacks are.

08:16 – 08:24 ***Exploratory Study into the Effect of Nasal Challenge with Flour on Nasal Levels of Nitric Oxide*** - R. Castano, D. Miedinger, J.L. Malo, M. Desrosiers, MONTREAL, QC

LEARNING OBJECTIVES

Upon completion of this presentation, participants will know about the role of nitric oxide in nasal inflammation; the applicability of nitric oxide measurements during nasal challenge with allergen and the potential clinical use of a simple nitric oxide analyzer for monitoring nasal inflammatory conditions.

08:30 – 08:38 ***Use of Polestar N20 Low Field Intra Operative Magnetic Resonance Imaging for Endoscopic Transsphenoidal Pituitary Surgery- The Dalhousie Experience*** - S. Annamalai, M. Hong, D.B. Clarke, E. Massoud, HALIFAX, NS

LEARNING OBJECTIVES

By the end of the session the Audience will be familiar with the iMRI use in endoscopic skull base procedures as well as benefits, limitations and drawbacks of the use of this tool.

08:38 – 08:46 ***Purely Endoscopic Transsphenoidal Surgery versus Traditional Microsurgery for Resection of Pituitary Adenomas: A Systematic Review*** - J.E. Strychowsky, S. Nayan, K. Reddy, F. Farrokhyar, D. Sommer, HAMILTON, ON

LEARNING OBJECTIVES

- By the end of this session, the student will be able to describe two surgical approaches (purely endoscopic and traditional microsurgery) to the resection of pituitary adenomas and the outcomes and complications associated with each approach.
- By the end of this session, the student will be able to consider which surgical approach is most appropriate for the management of pituitary adenomas.

08:50 – 08:58 **Identifying the Effects of Blood Pressure on Intra-operative Bleeding During Endoscopic Sinus Surgery** - A. R. Sharma, T. Alandejani, M. Fandino, A. Javer, VANCOUVER, BC

08:58 – 09:06 **Systematic Review Assessing the Effectiveness of Cocaine for Local Anesthesia and Vasoconstriction** - D. MacNeil, A.R. Javer, B. Westerberg, R. Irvine, VANCOUVER, BC

LEARNING OBJECTIVES

- 1) By the end of this session Otolaryngologists will be able to evaluate the efficacy of cocaine as a topical anesthetic and for vasoconstriction in head and neck surgery.
- 2) By the end of this session the Otolaryngologist will be able to determine the most effective and safe agent for topical anesthesia and vasoconstriction for head and neck procedures/surgery.

09:10 – 09:18 **Does Pterygopalatine Fossa Injection with Local Anaesthetic and Adrenaline Decrease Bleeding During Endoscopic Sinus Surgery?** - Y. N. Albadaai, S. Alghamdi, M. Samaha, MONTREAL, QC

LEARNING OBJECTIVES

To evaluate the effect of pterygopalatine fossa infiltration with xylocaine and epinephrine on surgical field visualization and blood loss during Endoscopic sinus surgery.

09:18 – 09:26 **A Preliminary Study of the Efficacy of Topical Antibiotics Delivered by a Biodegradable Polymer Compared to Post-operative Oral Antibiotics after Endoscopic Sinus Surgery** - V.M. Yu, S. Jonnalagadda, P.J. Catalano, BURLINGTON, MA

LEARNING OBJECTIVES

- Participants will be able to assess the efficacy of topical antibiotics delivered by a biodegradable polymer compared to that of post-operative oral antibiotics after endoscopic sinus surgery based on preliminary studies.

Monday, May 24, 2010 Strategy Room 2

Workshop #13 (CPD credit hrs – 0.50)

Chair: Dr. I. Witterick, TORONTO, ON

09:30 – 10:00 **Rhinology Forum**

10:00 – 10:30 COFFEE AND VISIT TO THE EXHIBITS

Monday, May 24, 2010 Strategy Room 2

Papers: Laryngology (CPD credit hrs – 1.00)

Chair: Dr. T. Brown, HALIFAX, NS

10:30 – 10:38 **Validation and Cultural Modification of Arabic Voice Handicap Index** - K.H. Malki, M. F. Ibrahim, RIYADH, Saudi Arabia

LEARNING OBJECTIVES

1. To present the first Arabic version of Voice Handicap Index (VHI).
2. To present the cultural modifications performed on the Arabic VHI.
3. To prove validity and internal consistency of the Arabic VHI.
4. To compare Arabic VHI scores between a Saudi voice disorders group and a Saudi control group.

10:38 – 10:46 ***The Point-Touch Technique for Botox Injection in Adductor Spasmodic Dysphonia: A Quality of Life Study*** - S. Morzaria, E. Damrose, STANFORD, CA

10:46 – 10:54 ***Vocal Cord Paralysis Following Neck Hyperextension Injury: Does It Recover?*** - K. H. Mallet, P. F. Odell, OTTAWA, ON

LEARNING OBJECTIVES:

- 1) By the end of this session the audience member will be aware of the potential for vocal cord paralysis due to recurrent laryngeal nerve injury following neck hyperextension injury.
- 2) By the end of this session the audience member will be able to describe the chance of recovery for vocal cord paralysis following neck hyperextension injury.
- 3) By the end of the session the audience member will be able to describe the importance of a team approach (SLP and Oto-HNS) to the identification and treatment of vocal cord paralysis and dysphagia following neck hyperextension injuries.

11:00 – 11:08 ***Longitudinal Evaluations of Laryngeal Overpressure and Voice-Related Quality of Life in Adductor Spasmodic Dysphonia*** - J.C. Yeung, K. Fung, A. M.B. Day, A. Dzioba, C. Bornbaum, T. Levee, P.C. Doyle, LONDON, ON

11:08 – 11:16 ***Endoscopic Microdebridement versus Tracheotomy in Tumour Obstructed Airways*** - S. M. Ghosh, D. Côté, J. Tibbo, H. Seikaly, EDMONTON, AB

**Monday, May 24, 2010
Strategy Room 2**

Workshop #14 (CPD credit hrs – 0.50)

Chair: Dr. T. Brown, HALIFAX, NS

11:30 – 12:00 ***Laryngology Forum***

12:00 – 13:30 LUNCH AND VISIT TO THE EXHIBITS

13:30 – 16:30 ***Poliquin Resident Competition*** (Great Room C)

**Monday, May 24, 2010
Strategy Room 3**

Papers: Head and Neck Surgery #1 (CPD credit hrs – 2.00)

Chair: Dr. W. Matthews, CALGARY, AB

08:00 – 08:08 ***Treatment of Upper Aerodigestive Tract Carcinoma with Transoral CO2 Laser Microsurgery - The Winnipeg Experience*** - F. Bammeke, C. Myers, P. Kerr, D. Sutherland, N. Viallet, WINNIPEG, MB

LEARNING OBJECTIVES

At the end of this session, the participant will:

- have a better understanding of the oncologic effectiveness of CO₂ laser microsurgery in a variety of upper aerodigestive tract sites.
- have a better understanding of the expected functional outcomes of CO₂ laser microsurgery.

08:08 – 08:16 **Modified Midfacial Translocation** - M. Shakeel, A. Hussain, M. Kamel, ABERDEEN, SCOTLAND

LEARNING OBJECTIVES

- By the end of our presentation the audience would have been made familiar with modified mid facial translocation technique.
- The audience would have been able to recognise the rationale, principles, technique, advantages and disadvantages of our modified mid facial translocation technique.
- The audience would have acquired enough knowledge of anatomy and technique that they may wish to incorporate the technique in their surgical repertoire.

08:16 – 08:24 **Submandibular Gland Transfer: Our 10-year Experience and Review of the Literature** – J. Tibbo, H. Seikaly, N. Jha, J. Harris, D. Williams, EDMONTON, AB

LEARNING OBJECTIVES

1. To understand the current methods available in the management of radiation-induced xerostomia.
2. To understand the indications for submandibular gland transfer.
3. To understand the surgical method for submandibular gland transfer.
4. To review the world literature on submandibular gland transfer.
5. To learn of the success of this procedure, in terms of physiologic and quality-of-life studies.

08:30 – 08:38 **Prevalence and Association with Outcome of p16 and EGFR in Surgically Treated Oral Cavity and Oropharyngeal Cancer** - S. Chandarana, D. Chepeha, J. Lee, E. Chanowski, B. Kumar, A. Sacco, C. Bradford, G. Wolf, ANN ARBOR, MI

LEARNING OBJECTIVES

1. By the end of this session, the listener will be able to describe the prevalence of 2 biomarkers in oral cavity and oropharyngeal squamous cell carcinoma in a cohort of surgically treated patients.
2. By the end of this session, the listener will be able to consider the association between expression of biomarkers and patient outcome.
3. By the end of this session, the listener will be able to consider the impact of biomarkers on treatment planning for head and neck cancer.
4. By the end of this session, the listener will be able to describe the role of a tissue microarray in identifying markers of tumor expression.

08:38 – 08:46 **Bcl-2 and EGFR Overexpression Predict Radiotherapy Failure in Early Glottic Carcinoma** - F. Whelan, A. Nichols, J. Yoo, K. Fung, J. Franklin, B. Wehril, K. Kwan, H. Osborn, LONDON, ON

LEARNING OBJECTIVES

By the end of this paper presentation the conference delegate will have an understanding of the significance of biomarker expression in predicting radiation failure in glottic squamous cell carcinoma and how this may influence patient management.

08:46 – 08:54 ***The Effect of Oncologic Head and Neck Surgery on Vascular Progenitor Cell Recruitment*** - H. Javidnia, M. Corsten, D. Allan, L. Eapen, OTTAWA, ON

LEARNING OBJECTIVES

By the end of this session the audience will have knowledge of the effects of surgery on circulating levels of vascular progenitor cells.

08:54 – 09:02 ***The Impact of Multifocal Pattern of Invasion on Patient Outcomes in Oral Squamous Cell Carcinoma*** - M. McNeil, M. Bullock, R. Hart, J. Trites, S.M. Taylor, HALIFAX, NS

09:10 – 09:18 ***Assessing the Safety of FEES in the Head and Neck Cancer Population*** - M.W. Deutschmann, A. McDonough, J. Dort, and T.W. Matthews, CALGARY, AB

09:18 – 09:26 ***Do Contrast Swallow Examination for Patients Following Major Ablative Pharyngeal and Laryngeal Surgery Help to Predict Enterocutaneous Fistula? A Retrospective Clinico-radiological Evaluation*** - R. Nassif, P. Gulland, E. Ho, D. Goldstein, TORONTO, ON

LEARNING OBJECTIVES

1. Present the evidence based data on the value of contrast swallow examination after major ablative laryngeal/pharyngeal surgery.
2. Examine our institute's experience with contrast swallow studies.
3. Evaluate the different contrast material in the swallow studies

09:26 – 09:34 ***Intra-Operative Factors Associated with Adverse Outcomes in Head and Neck Cancer Patients*** - B. Williams, R. Hart, M. Al-Gilani, S. M. Taylor, J. Trites, M. Bullock, HALIFAX, NS

LEARNING OBJECTIVES

- To appreciate intra-operative factors that are significantly associated with free flap outcome.
- To appreciate the intra-operative factors that are significantly associated with patient complications and disposition.

09:40 – 09:48 ***Management of Radiation Induced Mucositis in Head and Neck Cancer Patients*** - M. Shakeel, D. Hurman, A. Hussain, ABERDEEN, SCOTLAND

LEARNING OBJECTIVES

- To define radiation induced mucositis (RIM), discuss its underlying pathophysiology, elaborate the symptoms and signs caused by RIM and to learn about the role of any investigations in this condition.
- To explore any patients' factors influencing the incidence and severity of RIM.
- To identify the various treatment options used for RIM in our centre and to find out the best evidence based management of RIM.

09:48 – 09:56 ***Osteoradionecrosis of the Mandible: University of Toronto Experience*** - K. Wong, K. Higgins, D. Enepekides, R. Gilbert, D. Goldstein, TORONTO, ON

LEARNING OBJECTIVES

1. Discuss the current pathophysiology of ORN
2. Discuss the current treatment options for ORN
3. Discuss the University of Toronto Experience in management of ORN

10:00 – 10:30 COFFEE AND VISIT TO EXHIBITS

Monday, May 24, 2010
Strategy Room 3

Papers: Head and Neck Surgery #2 (CPD credit hrs – 1.50)

Chair: Dr. M. Corsten, OTTAWA, ON

10:30 – 10:38 ***Head & Neck Incidentalomas on PET Scan; Ignore or Investigate*** - H. F. Al-Hakami, M. Hier, M. Black, A. Mlynarek, R. Payne, J. Stern, W Makis, S. Anand, MONTREAL, QC

LEARNING OBJECTIVES

By the end of this session the resident in the training program will be able to evaluate the possibility of Whole-body CT/PET to detect a new, and unexpected primary malignant tumors when followed the inclusion criteria in high risk patients.

10:38 – 10:46 ***The Use of Fluorescent light (VELscope) In Detecting Malignant and Premalignant Lesions In The Oral Cavity: A Prospective Single Blind Study*** - H. Marzouki, K. Kost, T. Vi Vu, P. Chauvin, J. Hanley, MONTREAL, QC

LEARNING OBJECTIVES

We will give a brief introduction about the VELscope technology and its application in detecting premalignant and malignant lesions in the head and neck. By the end, head and neck surgeons will have a better understanding of the application of the VELscope and its role in diagnosing malignant oral cavity lesions.

10:46 – 10:54 ***In Vivo Immediate Visualization of the Cytological Structure on Suspected Laryngeal and Oropharyngeal Lesions with Contact Endoscopy*** - M. Ceron, K. Fung, B. Wehrli, J. Franklin, J. Yoo, LONDON, ON

LEARNING OBJECTIVES

1. By the end of this session the participants will be able to evaluate the diagnostic potential and limitations of Contact Endoscopy on benign and malignant lesions of oral cavity, pharynx and larynx when presented with evidence from the literature and results from our study.
2. By the end of this session the participants will be able to establish a systematic comparison between Contact Endoscopy and the traditional histopathological analysis when presented with a systematic review of related papers in journals.
3. By the end of this session the participants will consider the clinical applicability of this new diagnostic tool to their personal practice as described in the literature.

10:54 – 11:02 ***Are Patients With Head and Neck Cancer More Likely to Suffer From Obstructive Sleep Apnea?*** - R. Varshney, R. Payne, V. Forest, M. Black, M. Hier, A. Zeitouni, J. Rappaport, S. Frenkiel, MONTREAL, QC

LEARNING OBJECTIVES

By the end of this session, the audience will be able:

- 1) To appreciate the incidence of obstructive sleep apnea in head and neck patients.
- 2) To evaluate which treatments are associated with a higher incidence of obstructive sleep apnea.

11:10 – 11:18 ***Objective Measures of Neck Fibrosis: Variability in Amongst Different Treatment Modalities with Quality of Life Correlates*** - C. Chin, J. Franklin, B. Turner, K. Fung, J. Yoo, D. Philip, LONDON, ON

LEARNING OBJECTIVES

1. To understand the morbidity associated with neck fibrosis.
2. To know the utility of the cutometer in the objective measure of neck fibrosis.
3. To associate neck fibrosis with quality of life.
4. To acknowledge the heterogeneous response to cancer treatment.

11:18 – 11:26 ***Can Pathological Differentiation Predict N-Status in Head and Neck Squamous Cell Carcinoma?*** - M. Klein, J. Dort, W. Matthews, CALGARY, AB

LEARNING OBJECTIVES

After observing this presentation, listeners should:

- Have a better understanding of how the degree of differentiation, as reported by the pathologist, correlates with an important clinical outcome, lymph node status.
- Understand that the degree of differentiation in head and neck squamous cell carcinoma may be a prognostic indicator, however it is not yet included in any staging system.
- Be able to better recognize that gaps in pathology reporting exist, and specifically that differentiation status should be consistently reported.
- Understand that accurate reporting of differentiation status may help to optimize the clinical decision making process in centers where advanced molecular analysis is not available or cost-prohibitive.

11:26 – 11:34 ***A Comparison of Radiation and Surgery for the Treatment of Early Glottic Carcinoma*** - H. Osborn, K. Fung, A. Hu, J. Yoo, J. Franklin, A. Nichols, LONDON, ON

LEARNING OBJECTIVES

- Attendees will develop a better understanding of the voice effects of different treatment modalities for early glottic carcinoma.
- At the completion of this presentation, attendees will have an enhanced understanding of transoral laser microsurgery as a voice-preserving treatment modality.

11:34 – 11:42 ***Sinonasal Undifferentiated Carcinoma: Survival Outcomes and Systematic Review*** - C. Xu, H. Seikaly, P. Dziegielewski, J. Harris, EDMONTON, AB

LEARNING OBJECTIVES

- 1) To present the Alberta experience in treating SNUC over the last 23 years

- 2) To determine survival rates of SNUC based on treatment modality
- 3) To combine the results of the Alberta experience with a systematic review of the literature to hopefully elucidate the optimal treatment for the disease.
- 4) To review patient characteristics, presentation, diagnosis, and treatment outcomes based on the systematic review.

12:00 – 13:30 LUNCH AND VISIT TO EXHIBITS

13:30 – 16:30 ***Poliquin Residents Competition*** (Great Room C)

Tuesday, May 25, 2010 Great Room C

Workshop #15 (CPD credit hrs – 1.00)

08:00 – 09:00 ***Current Management of Nasal Polyposis*** - B.W. Rotenberg, LONDON, ON, J. Lee, TORONTO, ON, E. Wright, EDMONTON, AB, S. Frenkiel, MONTREAL, QC, K. Payton

LEARNING OBJECTIVES

- 1) After attending the workshop, participants will be able to describe current thinking on the pathophysiology of nasal polyposis
- 2) After attending the workshop, participants will understand advances in both medical and surgical management of nasal polyposis.

Workshop #16 (CPD credit hrs – 1.00)

09:00 – 10:00 ***Obstructive Sleep Apnea - An Update*** - B.W. Rotenberg, R. Payne, V. Forest, P. Campbell-Lownie, F. Michael, LONDON, ON

LEARNING OBJECTIVES

- 1) After attending the workshop, participants will be able to describe current thinking on the management of sleep apnea
- 2) After attending the workshop, participants will understand options available to manage sleep apnea both in the community and in academic settings
- 3) After attending the workshop, participants will understand the relative role of surgery versus medical management versus dental management in managing sleep apnea

Tuesday, May 25, 2010 Foyer, Great Room ABC

10:30 – 12:00 ***Poster Walk with the Experts*** (CPD credit hrs – 1.50)

Tuesday, May 25, 2010 Great Room C

Papers: Pediatric Otolaryngology (CPD credit hrs – 2.00)

Chair: Dr. F. Kozak, VANCOUVER, BC

13:30 – 13:38 ***New Treatment Options for Children with Hemangiomas*** - M. M. Al Gilani, L. Johnson, HALIFAX, NS

LEARNING OBJECTIVES

- To review the current gold standard for treating hemangiomas.
- To review new treatment modalities for hemangiomas.
- To discuss our experience with propranolol in the treatment of 2 cases with (*original incomplete*).

13:38 – 13:46 ***Epidemiology and Risk Factors for Preauricular Tags and Pits in Colombia: Do They Have a Similar Genetic Origin?*** - M. Fandino, M.A. Caro, J.C. Garcia, J.C. Ospina, P.A. Vega, VANCOUVER, BC

LEARNING OBJECTIVES

By the end of this presentation the audience will:

1. Have a better understanding of the risk factors for nonsyndromic/nonchromosomal preauricular tags and pits.
2. Discuss the possible association of medications such as folic acid, ferrous sulfate, vitamin C, and nifedipine with these malformations.

13:50 – 13:58 ***A New Modified Lund-Mackay Scale For Radiological Staging of Pediatric Rhinosinusitis*** - A. Fanous, J. Manoukian, T. Al-Khatib, C. Saint-Martin, S. Daniel, T. Tewfik, L. Nguyen, M. Schloss, MONTREAL, QC

LEARNING OBJECTIVES

1. By the end of this session, the students, residents, fellows and specialists will be able to describe the validity of the Lund Mackay scale when applied to children.
2. By the end of this session, the students, residents, fellows and specialists will be able to describe the differences between the classical Lund Mackay scale and a new modified one when applied to children.
3. By the end of this session, the students, residents, fellows and specialists will be able to describe the relation between the new modified Lund-Mackay scale and revision surgery.

13:58 – 14:06 ***Linking Extraesophageal Gastric Reflux (EEGR) to Chronic Rhinosinusitis (CRS) in Children: Pepsinogen Study of Paranasal Sinus and Adenoid Tissue*** - M. Alessa, H. Alshemari, J.J. Manoukian, Y. Alrajhi, F. Chouiali, L.H. Nguyen, T. L. Tewfik, S.J. Daniel, M. Schloss, Q.A. Hamid, MONTREAL, QC

14:10 – 14:18 ***Motor Speech Characteristics in Children with Bilateral Cochlear Implants*** - A. Wong, T. Holler, J. Allegro, P. Campisi, TORONTO, ON

14:18 – 14:26 ***Sensorineural Hearing Loss in Children: The Manitoba Experience*** - B. Hassouneh, D. Leitao, A. Mhanni, WINNIPEG, MB

LEARNING OBJECTIVES

- The audience will understand the characteristics of children with SNHL in the province of Manitoba. They will be able to compare these results to other epidemiologic studies and examine the possible impact of introducing a targeted screening program for hearing loss.

14:26 – 14:34 ***Osteopathy for Otitis Media in Children: Shouldn't We be Looking Beyond Antibiotics and Tubes?*** - C. Morin, D. Dorion, J. M. Moutquin, SHERBROOKE, QC

LEARNING OBJECTIVES

By the end of this presentation, the participant will:

- better understand the role of temporal bone dysfunction as a risk factor for children under 3 years of age with acute otitis media;
- understand the role of osteopathy in the management of children with recurrent otitis media.

14:34 – 14:42 ***Grading the Grades: Tympanic Retraction*** - N. Sanjeevan, A. James, B. Papsin, TORONTO, ON

LEARNING OBJECTIVES

By the end of the presentation, Otolaryngology residents will be able to understand different type of Tympanic membrane retraction classification systems. Also will be able to assess inter reader variability with different classification systems

14:50 – 14:58 ***Botulinum Toxin A in the Management of Excessive Sialorrhea in Neurologically Disabled Pediatric Patients: A Systematic Review*** - S. Nayan, D. D. Sommer, J.E. Strychowsky, HAMILTON, ON

LEARNING OBJECTIVES

1. To learn about the effectiveness and safety of botulinum toxin A in the management of sialorrhea in neurologically disabled pediatric patients.
2. To have a summary of the reported results in the literature with regards to BTX-A as determined by the systematic review.
3. With the presented data, the audience will be able to consider BTX-A as a therapeutic alternative for the management sialorrhea in neurologically disabled pediatric patients.

14:58 – 15:06 ***Postoperative Airway Complications Following Esophageal Atresia/Tracheoesophageal Fistula Repair – a 10 Year Experience*** - J.S. Schwartz, J. Manoukian, STE-FOY, QC

LEARNING OBJECTIVES

- By the end of this presentation, the otolaryngologist and otolaryngology resident will be able to describe the incidence of persistent postoperative airways complications following repair of EA/TEF in children born with this congenital malformation in the last 10 years
- By the end of this presentation, the otolaryngologist and otolaryngology resident will be able to list factors significantly associated with postoperative respiratory status in these patients.

15:30 – 16:00 COFFEE AND VISIT TO EXHIBITS

Tuesday, May 25, 2010
Great Room C

16:00 – 17:00 ***CSOHNS Business Meeting***

Tuesday, May 25, 2010 Strategy Room 2

Paper Presentations: Otology #1 (CPD credit hrs – 2.00)
Chair: Dr. A. Zeitouni, MONTREAL, QC

08:00 – 08:08 ***Ossicular Implants – Design and Results*** – B. Wu, B. Blakley, WINNIPEG, MB

08:08 – 08:16 ***A Comparison of Three Different Assistive Listening Devices in Individuals with Single Sided Deafness*** - J. Szudek, A. Ostevik, A. Ho, W. Hodgetts, EDMONTON, AB

LEARNING OBJECTIVES

By the end of this presentation, the otolaryngology student and consultant will be able to assess the effectiveness of various assistive listening devices for individuals with single sided deafness.

08:16 – 08:24 ***Transcranial Transmission with the BAHA After Graded Temporal Bone Resections Pilot Data from a Human Cadaveric Study*** - D. Yohn, D. Morris, R. van Wijhe, HALIFAX, NS

LEARNING OBJECTIVES

- To appreciate the indication for BAHA in SSD.
- To appreciate the effect of transcranial attenuation.
- To understand the need for a thorough pre-operative trial of device in SSD especially after mastoidectomy and skullbase surgery.
- To appreciate the potential use of programming strategies to remove predictable transcranial transmission effects.

08:24 – 08:32 ***Differences in Hearing Perception Between Patients with Unilateral Conductive Hearing Loss Treated with Ossicular Chain Reconstruction and Bone-anchored Hearing Aid*** - J. Yu, R. Liu, J. Dumper, B. Hodgetts, EDMONTON, AB

LEARNING OBJECTIVES

- To learn that perception of hearing improvement after bone-anchored hearing aid implantation (BAHA) for unilateral conductive hearing loss is comparable to successful ossicular chain reconstruction.
- To learn that unilateral conductive hearing loss is a potential indication for BAHA.

08:40 – 08:48 ***Cochlear Implantation in Inner Ear Anomalies*** - J. Mondin, F. Kozak, R. Chia, R. Hunter, D. Myer, B. Brooks, R. Keith, T. Mitchell, VANCOUVER, BDC

LEARNING OBJECTIVES

- By the end of this presentation the participants will:
1. Review the radiological classification of inner ear malformations.
 2. Evaluate surgical aspects and audiological results of cochlear implantation in inner ear malformations.

08:48 – 08:56 ***Cochlear Implantation for Profound Hearing Loss due to Meningitis*** - W. Alhazmi, D. Schramm, C. Seguin, L. Moran, OTTAWA, ON

LEARNING OBJECTIVES

- To appreciate that audiological outcomes after cochlear implantation are generally favourable in patients with profound sensorineural hearing loss due to meningitis
- To be aware of the possibility of cochlear ossification in patients with profound sensorineural hearing loss due to meningitis
- To appreciate that early cochlear implantation for profound bilateral sensorineural hearing loss due to meningitis reduces the possibility of partial electrode insertion due to cochlear ossification

09:04 – 09:12 ***Experience of Music Appreciation in Cochlear Implant Patients; A Qualitative Study*** - S. Greenberg, J. Chen, L. Bartel, K. Friesen, D. Shipp, V. Lin, J. Nedzelski, TORONTO, ON

LEARNING OBJECTIVES

By the end of this presentation participants will understand the many issues which impact on cochlear implant recipients ability to appreciate music. Participants will be able to understand the current challenges that exist in improving this situation as well as possible future strategies to address these issues.

09:12 – 09:20 ***The Impact of Unilateral Multichannel Cochlear Implant on Speech Recognition and Quality of Life in Postlingually Deaf Adults*** - E. Park, V. Lin, D. Shipp, J. Chen, J. Nedzelski, TORONTO, ON

LEARNING OBJECTIVES

1. To elucidate the positive impact of unilateral multichannel cochlear implant on speech recognition and quality of life in different age groups of postlingually deaf adults and to compare our results with those of previous studies with smaller sample sizes.
2. To determine whether age or previous use of hearing aid(s) has any influence on the extent of improvement in speech recognition and quality of life following cochlear implant.

09:28– 09:36 ***The Impact of Asymmetrical Hearing Loss on Hearing Disability*** - R. Jaggi, M. Bance, R. van Wijhe, J. Astephon Wilson, A. Benton, A. Greene, HALIFAX, NS

LEARNING OBJECTIVES

By the end of this session the audience members will have a better understanding of what criteria are important when evaluating and counseling patients with asymmetric conductive hearing loss with regards to surgical intervention.

09:36 – 09:44 ***Etiology of Adult Sudden Sensorineural Hearing Loss – A Systematic Review*** – J. Lin, J. Chau, S. Atashband, R. Irvine, B. Westerberg, VANCOUVER, BC

LEARNING OBJECTIVES

1. To review the evidence for the etiologies of adult sudden sensorineural hearing loss.
2. To develop evidence-based guidelines for the evaluation of adult patients with sudden sensorineural hearing loss.

09:44 – 09:54 **Characterization of V37I Pathogenicity in the Homozygous and Heterozygous States: Emergence of New Population Effects** - D. Randall, F. Kozak, M. Fandino, S. Langlois, VANCOUVER, BC

LEARNING OBJECTIVES

- By the end of this session, the resident/medical student will be able to list the most common GJB2 mutations and their role in causing sensorineural hearing loss.
- By the end of this session, the otolaryngologist will be able to evaluate the need for continued audiologic follow-up in patients with V37I mutations.

10:00 – 10:30 COFFEE AND VISIT TO EXHIBITS

Tuesday, May 25, 2010
Foyer, Great Room ABC

10:30 – 12:00 **Poster Walk with the Experts**

Leaders:

Head and Neck Surgery - TBA

Facial Plastic and Reconstructive Surgery - TBA

Laryngology - K. Kost, Montreal, QC

General & Education - K. Fung, London, ON

Otology - B. Blakley, Winnipeg, MB

12:00 – 13:30 LUNCH AND VISIT WITH TO EXHIBITS

Tuesday, May 25, 2010
Strategy Room 2

Paper Presentations: Otology #2 (CPD credit hrs – 2.00)

Chair: TBA

13:30 – 13:38 **Transmastoid Resurfacing of Superior Semicircular Canal Dehiscence** - H. Amoodi, M. Bance, HALIFAX, NS

LEARNING OBJECTIVES

1. Briefly discuss the different surgical options in managing superior semicircular canal dehiscence syndrome (including the pros and cons each)
2. Describe a new surgical technique in treating superior semicircular canal dehiscence syndrome by resurfacing the canal defect via the transmastoid approach
3. Demonstrate the clinical and audiological results of the superior canal dehiscence repair using this technique
4. Video demonstration of the procedure

13:38 – 13:46 **Pre and Post Operative Magnetic Searching Scleral Coil and Electro-cochleography Measurements in a Patient Undergoing Transmastoid Occlusion of the Superior Semicircular Canal** - C. H. Bae, J. Rutka, P. David, P. Das-Purkayastha, N. Bailie, TORONTO, ON

LEARNING OBJECTIVES

After listening to the presentation, the audience members will be able to understand the role of the transmastoid approach to a dehiscient semicircular canal. After listening to the presentation, the audience will be able to use advanced tests of balance to diagnose and monitor the surgical outcome of occlusion of the superior semicircular canal for SSCDS.

13:46 – 13:54 **Endoscope Assisted Cholesteatoma Surgery** - V. Fanous, D. Reid, HAMILTON, ON

LEARNING OBJECTIVES

This study presents using the endoscope with the microscope in cholesteatoma surgery. By doing this the chance of leaving behind residual disease was reduced to a minimum. This increased the surgeon's confidence to do more conservative canal wall up ear operations and to do less radical canal wall down ear operations.

14:00 – 14:08 **Trends in Surgery for Chronic Ear Disease within the Province of Ontario (1987-2007) – Reasons and Implications on Service Provision and Surgical Training** - P. Das-Purkayastha, J. Rutka, d. Pothier, TORONTO, ON

LEARNING OBJECTIVES

By the end of this presentation the participant will:

- 1) be able to describe of the demographic changes in population and chronic ear pathology within Ontario;
- 2) be able to evaluate the changes in demographics with respect to who should be performing chronic ear surgery;
- 3) consider whether the current trends have an implication on otological surgical training, and discuss possible alternative ways to ensure optimal patient care together with high quality surgical training.

14:08 – 14:16 **Successful Hearing Outcomes in Ossicular Chain Reconstruction: An Analysis of Prognostic and Risk Factors** - M. Fandino, F. Kozak, VANCOUVER, BC

LEARNING OBJECTIVES

By the end of this presentation the audience will:

1. Get a better understanding of risk factors in ossiculoplasty;
2. Discuss the significance of negative middle ear pressure (MEP) in hearing outcomes;
3. Comment on the utility of using alternative interventions to equalize the MEP.

14:20 – 14:28 **An investigation of the Influence of Suctioning and Footplate Injury on the Outcome of Laser-assisted Stapedotomy** - N. Bailie, J. Halik, L. Kadhim, J. Ramsden, A. Safar, CRAIGAVON, NORTHERN IRELAND

LEARNING OBJECTIVES

At the end of this presentation, ENT surgeons will understand the influence of suctioning on the footplate after fenestration and damage to the footplate on the audiometric outcomes when performing laser-assisted stapes surgery.

14:28 – 14:36 ***The Importance of the Contralateral Ear in the Conservative Management of Vestibular Schwannoma*** - J. Chung, J. Rutka, D. Pothier, TORONTO, ON

LEARNING OBJECTIVES

After listening to the presentation, the audience members will be able to describe the way extent to which inflammatory markers are altered in patients with a secondary post-tonsillectomy hemorrhage.

After listening to the presentation, the audience members will be able to make an informed decision about the extent to which infection contributes to secondary post-tonsillectomy hemorrhage

14:36 – 14:44 ***Delayed Complication of the KTP Laser in the Treatment of Cholesteatoma*** - A. Eskander, B. Papsin, T. Holler, TORONTO, ON

LEARNING OBJECTIVES

1. Review the evidence for the use of the KTP laser in cholesteatoma surgery.
2. The presentation will include a brief video displaying how the laser is used in surgery.
3. The presentation will also discuss the use of the facial nerve monitor.
4. A major goal of this presentation will be to describe a delayed complication of the KTP laser in the treatment of cholesteatoma and how this can be prevented. A video will be shown to demonstrate the current technique being used to prevent this complication.

14:50 – 14:58 ***Anatomical Analysis of Mastoid Tegmen: 3D Reconstruction Study Based on High-resolution CT Images*** - F. Makki, M. Bance, H. Amoodi, HALIFAX

LEARNING OBJECTIVES

- 1) Better anatomic knowledge of the superior boundary of the mastoid and middle ear cavity.
- 2) Different morphology of the tegmen.
- 3) Surgical implication of different tegmen shapes.
- 4) Three-dimensional model of the tegmen as a teaching tool for medical students and residents.
- 5) Proposing a tegmen shape classification based on high resolution computed tomography scan.

14:58 – 15:06 ***Staging Retraction of the Tympanic Membrane cannot be Achieved Sufficiently Reliably for Clinical Purposes: Where are We Going Wrong?*** - D. Pothier, A. R. Maw, TORONTO, ON

LEARNING OBJECTIVES

After listening to the presentation, the audience members will be able to understand the limited reliability of staging systems of retraction of the tympanic membrane.

After listening to the presentation, the audience members will be able to understand the limited reliability of staging systems of retraction of the tympanic membrane.

After listening to the presentation, the audience members will be able to critically review the otologic literature where staging of retraction has been used in the context of low inter/intra-rater reliability.

15:06 – 15:14 **Sensory Training in Acute and Chronic Tinnitus** - S. Banglawala, D. Bosnyak, L. Roberts, J. Archibald - TORONTO, ON

15:30 – 16:00 COFFEE AND VISIT TO EXHIBITS

Workshop #17 (CPD credit hrs – 1.00)

17:00 – 18:00 **Spasmodic Dysphonia: Diagnosis and Management** – K. Kost, MONTREAL, QC, J. Anderson, TORONTO, ON, M. Morrison, VANCOUVER, BC., D. Eibling, USA, K. Fung, LONDON, ON

Tuesday, May 25, 2010
Strategy Room 3

Papers: Head and Neck Surgery (Thyroid) (CPD credit hrs – 1.50)

Chair: Dr. R. Payne, MONTREAL, QC

08:00 – 08:08 **The Surgical Management of Differentiated Thyroid Cancer in Ontario: A Population-based Study** - S. F. Hall, J. Irish, S. Archibald, R. Walker, D. Hurlbut, P. Groome, A. Schneeberg, KINGSTON, AB

LEARNING OBJECTIVES

- At the end of this session attendees will have a greater understanding of the extent and origins of the variation in the treatment of differentiated thyroid cancer.

08:08 – 08:16 **A Prospective Evaluation of Perioperative Concern Amongst Patients Considering Thyroidectomy: Preliminary Normative Data** - H. A. Osborn, M. G. Brandt, J. Yoo, K. Fung, P.C. Doyle, LONDON, ON

LEARNING OBJECTIVES

- At the completion of the presentation, attendees will have an improved understanding of the areas of concern experienced by patients considering thyroidectomy.
- Attendees will become familiar with a novel assessment tool evaluating patient perioperative concerns.
- At the completion of the presentation, attendees will be able to direct their perioperative counseling to include the areas of greatest concern experienced by patients considering thyroidectomy.

08:20 – 08:28 **Endoscopic Thyroid Surgery Using the Minimally Invasive Video-Assisted Thyroidectomy Technique - Is It Safe?** - N. Jowett, M. Black, M. Hier, S. Anand, V. Labajian, MONTREAL, QC

LEARNING OBJECTIVES

1. To discuss the potential advantages and disadvantages to minimally invasive video-assisted thyroid surgery, a new approach to subtotal thyroidectomy.
2. To demonstrate the surgical technique of minimally invasive video-assisted thyroid surgery.

08:28 – 08:36 **Mechanical Creep in Minimally Invasive Thyroidectomy Incisions: Quantification and Identification of Predictive Factors** - M. Mohammed, K. Fund, J. Yoo, J. Franklin, LONDON, ON

LEARNING OBJECTIVES

1. To understand the entity of mechanical creep.
2. To know the predicted creep on the basis of the present literature.
3. To understand the quantification of mechanical creep identified in thyroid incisions.
4. To understand the forces and mechanism of creep and its resolution over time.
5. To acknowledge the importance of creep in the planning of incision size.

08:40 – 08:48 ***Positron Emission Tomography as a Preoperative Predictor of Malignancy in Thyroid Cancer*** - A.D. Amir, M.Tamilia, J. Rivera, O. Gologan, M. Hier, MONTREAL, QC

LEARNING OBJECTIVES

- By the end of this session, the clinician will understand the predictive value of the PET scan in determining whether malignancy is present, as well as how to apply it in concert with other data when available. In summary, the reader will understand the current role for PET scans in approaching patients with thyroid nodules.

08:48 – 08:56 ***Comparison of Preoperative Ultrasonography, Radionuclide Scintigraphy, and SPECT in Localization of Parathyroid Adenomas*** - B. Barber, D.W. J. Cote, J. Harris, EDMONTON, AB

LEARNING OBJECTIVES

At the end of this session, the participant should be able to:

- 1) differentiate between ultrasound, radionuclide scintigraphy, and SPECT scanning,
- 2) understand the contribution and capability of each imaging modality to localizing a parathyroid adenoma,
- 3) understand the implications of our findings in minimally-invasive parathyroid surgery.

09:00 – 09:08 ***Sentinel Lymph Node Biopsy in the Management of Thyroid Cancer: Where We Currently Stand*** - K. Richardson, S. Anand, O. Gologan, L. Rochon, J. How, M. Hier, M. Tamilia, MONTREAL, QC

LEARNING OBJECTIVES

- By the end of the session thyroid surgeons will have a better understanding of our current knowledge of the role of sentinel lymph node biopsy in the management of well differentiated thyroid carcinoma.

09:08 – 09:16 ***Use of USFNAB in the Management of Previously Biopsied Non-diagnostic Thyroid Nodules – Does Operator Experience Matter?*** - J. S. Schwartz, J. How, I. Lega, J. Cote, O. Gologan, J. Rivera, N. Garfield, A. Zeitouni, R. Payne, MONTREAL, QC

09:16 – 09:24 ***Correlation of Preoperative Fine Needle Aspiration Findings with Histopathology following Diagnostic Hemithyroidectomy*** - J.A. Vaz, D.W.J. Cote, H. Seikaly, EDMONTON, AB

LEARNING OBJECTIVES

- 1) By the end of this session, the participant will be able to describe the types of thyroid nodules that are typically investigated with diagnostic hemithyroidectomy.
- 2) By the end of this session, the participant will be able to evaluate the diagnostic accuracy of fine needle aspiration biopsy.
- 3) By the end of this session, the participant will be able to evaluate the use of fine needle aspiration biopsy in pre-operatively predicting malignancy in nodules that subsequently investigated with diagnostic hemithyroidectomy.

Tuesday, May 25, 2010
Strategy Room 3

Workshop #18 (CPD credit hrs – 0.50)

Chair: Dr. R. Payne, MONTREAL, QC

09:30 – 10:00 *Thyroid Panel*

Tuesday, May 25, 2010
Foyer, Great Room ABC

10:30 – 12:00 *Poster Walk with the Experts*

12:00 – 13:30 LUNCH AND VISIT WITH TO EXHIBITS

Tuesday, May 25, 2010
Strategy Room 3

Papers: Facial Plastic & Reconstructive Surgery (CPD credit hrs – 1.50)

Chair: Dr. J. Trites, HALIFAX, NS

13:30 – 13:38 *Describing the Orbital Decompression Approach with Decompression of the Optic Nerve by Endoscopy Method in Grave's Disease* - I. Arteau-Gauthier, D. Pouliot, Y. Molgat, S. Nadeau, Québec, QC

LEARNING OBJECTIVE

By the end of this session the doctor will be able to describe the method of orbital decompression with optic nerve decompression by endoscopy and will know the results and the rate of complication associated with this surgery.

13:38 – 13:46 *Submental Liposuction: A New Treatment Option for Lymphedema in Head and Neck Cancer Patients* - M. Brake, S. M. Taylor, M. Al-Gilani, R. Hart, J. Trites, HALIFAX, NS

LEARNING OBJECTIVES

1. To recognize the decreased quality of life for patients suffering from head and neck lymphedema.
2. To discuss liposuction as a treatment option for patients suffering with lymphedema resulting from head and neck cancer treatments.
3. To examine outcomes of patients who have undergone liposuction for head and neck cancer treatment-related lymphedema.
4. To provide new treatment options for patients suffering from this condition.

13:46 – 13:54 **Systematic Review of Implantable Doppler Technology in Head and Neck Reconstruction** - M. Gupta, M. Corsten, D. Coyle, D. Fergusson, OTTAWA, ON

LEARNING OBJECTIVES

To discuss the current evidence for the use of implantable Doppler technology in monitoring free tissue transfer in head and neck reconstructions.

To direct future research in free flap monitoring.

14:00 – 14:08 **Restoration of the Orbital Aesthetic Subunit with the Thoracodorsal Artery System of Flaps** - E. Chanowski, D. Chepeha, K. Casper, S. Chandarana, S. Paul, J. Lee, A. Sacco, M. Prince, ANN ARBOR, MI

LEARNING OBJECTIVES

1. By the end of this session, the listener will be able to describe the surgical utilities of the thoracodorsal artery system of flaps.

2. By the end of this session, the listener will be able to describe reconstructive options of the orbital aesthetic subunit that do not involve an ocular prosthesis.

3. By the end of this session, the listener will be able to describe the emerging role of the thoracodorsal artery system of flaps in the restoration of the orbital aesthetic subunit.

4. By the end of this session, the listener will be able to consider the positive outcomes associated with the reconstruction of the orbital aesthetic subunit with the thoracodorsal artery system of flaps and this reconstruction's role in the high functioning of patients postoperatively.

14:08 – 14:16 **Functional and Cosmetic Outcomes of Patients with Maxillectomy Defects Reconstructed with Vascularized Free Tissue Transfer** - J. Tibbo, H. Seikaly, J. Harris, R. Reiger, EDMONTON, AB

LEARNING OBJECTIVES

1. To review the classification of maxillectomy defects.

2. To learn about the various methods of reconstruction of maxillectomy defects.

3. To learn about the most common reconstructive methods used at our centre.

4. To learn about the advantages of medical modelling.

5. To learn about the functional and cosmetic outcomes of patients reconstructed with free tissue transfer at our centre.

6. To learn about future endeavours: comparing functional and cosmetic outcomes of patients reconstructed with free tissue transfer reconstruction vs. palatal obturators.

14:16 – 14:24 **Posterior Tibial Free Flap in Reconstruction of the Head and Neck** - J. Vaz, H. Seikaly, D. Cote, J. Tibbo, J. Harris, EDMONTON, AB

LEARNING OBJECTIVES

1) By the end of this session, the program audience will be able to describe the surgical details of harvesting and anastomosing a posterior tibial microvascular free flap.

2) By the end of this session, the program audience will be able to evaluate the potential benefits of using the posterial tibial free flap in reconstruction of major defects of the head and neck.

3) By the end of this session, the program audience will be able to describe the post-operative outcomes of patients with posterior tibial free flap.

14:30 – 14:38 **Local Complication Rates in Mandibular Reconstruction: Bone Impacted versus Traditional Fibular Free-flaps** - B. Barber, H. Seikaly, P. Dziegelewski, J. Harris, EDMONTON, AB

LEARNING OBJECTIVES

At the end of this session, the participator should be able to:

1) Recognize the difference between the traditional fibular free flap and the bone-impacted fibular free flap.

2) Appreciate the difference in complication rate and types in traditional and BIFFF for mandibular reconstruction.

3) Recognize the contribution of bone-impacted fibular flaps to dental rehabilitation, and its subsequent impact on post-operative functional outcomes.

14:38 – 14:46 **The History of Facial Plastic Surgery in Canada** - M. Brandt, C. Moore, K. Conrad, LONDON, ON

LEARNING OBJECTIVES

At the completion of the presentation attendees will have an improved understanding of the development of Facial Plastic Surgery in Canada.

Attendees will become more aware of the challenges that have been overcome in the establishment of Facial Plastic Surgery as a recognized subspecialty of Otolaryngology - Head and Neck Surgery.

Attendees will become familiar with those Canadian Otolaryngologists-Head and Neck Surgeons who have made major contributions to the field of Facial Plastic Surgery.

14:46 – 14:54 **Eyelid and Brow Asymmetry in Patients Evaluated for Blepharoplasty** - K. Macdonald, S.M. Taylor, A. Mendez, HALIFAX, NS

LEARNING OBJECTIVES

By the end of this session, the facial plastic surgeon will appreciate the lack of literature available on facial asymmetry in the normal population, and will be able to cite the incidence of eyelid and brow asymmetry in a population of 100 Canadians presenting for evaluation of blepharoplasty.

**Tuesday, May 25, 2010
Strategy Room 3**

Workshop #19 (CPD credit hrs – 0.50)

Chair: Dr. J. Trites, HALIFAX, NS

15:00 – 15:30 **Facial Plastic and Reconstructive Surgery Forum**

**Tuesday, May 25, 2010
Strategy Room 3**

Workshop #20 (CPD credit hrs – 1.00)

16:00 – 17:00 *Establishing an ENT Practice* - M.G. Maharaj, VANCOUVER, BC

LEARNING OBJECTIVES

- Residents attending this seminar will gain an appreciation for the factors that need to be considered in choosing a practice type and location, and the necessary steps in negotiating for a position that will meet their needs and lead to successful practice. They will learn to identify and assemble an appropriate team of advisory financial, insurance, and legal experts. They should further understand the role each of these experts will play on their "team".
- Attendees will also gain an understanding of the extent and distribution of the expenses involved in establishing a new community ENT practice.
- Finally, they will learn a simple organizational breakdown of the business components of an ENT practice, along with the relevant details of each component that require customization to the needs of each individual practitioner

**Tuesday, May 25, 2010
Strategy Room 3**

Workshop #21

17:00 – 18:00 *The Royal College Examination* – I. Witterick, TORONTO, ON, M. Olivier, MONTREAL, QC

**Sunday, May 23 to Tuesday, May 25, 2010
Foyer, Great Room C**

2010 POSTERS

GENERAL

1. *The Dalhousie Eustachian Model: A Three-dimensional Model of the Eustachian Tube and Surround Temporal Bone Anatomy* - H. Amoodi ; M. Bance; S. Khalili, HALIFAX, NS
2. *Causes of Otolaryngology Same-day Surgery Cancellation at Two Canadian Centres* - H. Amoodi ; R. Hart, HALIFAX, NS
3. *Secondary Post-tonsillectomy Hemorrhage: Objective Measures of Infection in a Retrospective Study* - S. Ahmed; D. Pothier, TORONTO, ON
4. *Re-operative Parotid Surgery* - S. Archibald, HAMILTON, ON

FACIAL PLASTIC AND RECONSTRUCTIVE SURGERY

1. *Cost Effectiveness of Simultaneous versus Sequential Surgery in Head & Neck Reconstruction* - K. Wong ; D. Enepekides; K. Higgins, TORONTO, ON
2. *A Canadian Based Survey on Pre and Post-operative Microvascular Free Flap Management* - S. Annamalai; R. Hart; S. Mark Taylor; J. Trites, SYDNEY, NS

3. ***Porous Polyethylene Implant in the Correction of External Nasal Valve Collapse*** - B. Lau ; J. Kibblewhite, VANCOUVER, BC
4. ***Temporomandibular Joint Reconstruction After Major Head and Neck Extirpation Surgery: A Prospective Cohort Analysis*** - M. Langille ; W. Dobrovolsky; H. Seikaly, EDMONTON, AB
5. ***Cranioplasty with Pericranium and Temporalis Muscle*** - M. Shakeel ; A. Hussain; M. Kamel; I. Fouyas, ABERDEEN, UK
6. ***Outcomes in Microvascular Free Flap Transfer in the Elderly*** - Jason Vaz ; H. Seikaly; D. Cote; J. Harris, EDMONTON, AB

EDUCATION AND RESEARCH

1. ***The Airway Basics Course: Teaching the ABC's of Airway Management to Surgical Residents*** - L. Nguyen; F. Ramadori; B. Ng; A. Guzzo, MONTREAL, QC
2. ***A Global Rating of Endoscopic Surgical Skills (GRESS) for the Assessment of Otolaryngology Residents*** - T. Alandejani ; A. Javer; O. Marglani; A. Alherabi; A. Chalmers; A. Al-Zalabani, VANCOUVER, BC
3. ***The Otolaryngology H & N Surgery Undergraduate Medical Education Working Group - A Canadian Initiative for Curriculum Development*** - K. Fung, LONDON, ON
4. ***Variation in Undergraduate Medical Education in Otolaryngology-H & N Surgery in Canada*** - L. McLean, OTTAWA, ON

LARYNGOLOGY

1. ***Acoustic Characteristics of Vowel Produced by Adolescents with Velopharyngeal Insufficiency*** - J. Theriault; A. Dzioba; M. Husein; G. Jeremic; A. Dworschak; D. Matic; P. Doyle, SUDBURY, ON
2. ***Injection Laryngoplasty: A Serious Complication with Hyaluronic Acid Gel, Case Report and a Review of the Literature*** - D. Bosch; S. Shamanna, CALGARY, AB
3. ***Accuracy of Flexible versus Rigid Laryngoscopic Photo-documentation in Diagnosing Confusing Laryngeal Pathology*** - A. Hilal; T. Brown; S. Mark Taylor, HALIFAX, NS
4. ***Laryngology Practice in Canada: Current Trends and Future Directions*** - M. McNeil; T. Brown, HALIFAX, NS
5. ***Incidence of Vocal Cord Paralysis Post Patent Ductus Arteriosus Ligation Surgery*** - G. Rukholm; D. Reid; M. Alto, HAMILTON, ON
6. ***Intra-lesional Cidofovir Injection for Recurrent Laryngeal Papillomatosis*** - J. Dautremont, D. Bosch, W. Yunker, SASKATOON, SK

OTOLOGY

1. ***GABA Agonist Does Not Affect Threshold Shifts Due to Noise Trauma*** - S. Morong; R. Harrison, TORONTO, ON
2. ***Safety of Personal Music Players: What We Know in 2009*** - M. Aron; S. Daniel, SHERBROOKE, QC
3. ***A Re-evaluation of the Optimal Criteria for Using the Monothermal Caloric Screening Test*** - N. Bailie; J. Rutka; M. Armstrong, CRAIGAVON, NORTHERN IRELAND
4. ***Differences in Clinical Information Obtained from Otoendoscopy versus Standard Otoscopy in the Assessment of the Ear*** - P. Bradley; D. Pothier, TORONTO, ON

5. ***Joint Knives in Stapes Surgery: Are They Fit for Purpose?*** - A. Hilal; D. Morris; R. Van Wijhe, HALIFAX, NS
6. ***Side Selection and Asymmetric Caloric Reduction in Preoperative Cochlear Implant Planning*** - S. Hugh; V. Lin; D. Shipp; J. Chen; J. Nedzelski, TORONTO, ON
7. ***Prediction de la onction du nerf facial en post-op d'une chirurgie de neurinome acoustique selon la stimulation per-op*** - P. Marin; G. Fradet; D. Pouliot; C. Picard, QUEBEC CITY, QC
8. ***Clinical Significance of the Heat Generated by Otoendoscopes: An In-vitro Ovine Study*** - D. Pothier, TORONTO, ON
9. ***The Effect of Sensory Input from a Cochlear Implant on Balance*** - M. Rashid; Y. Karagama; C. Elliott; I. Johnson; Y. Mahalingappa, LONDON, ENGLAND
10. ***Surgery of Vestibular Schwannoma: 10 Years Experience at Laval University*** - S. Sahnkow; G. Fradet; M. Lachance; G. Lapointe; D. Pouliot; C. Picard, QUEBEC, QC
11. ***Electro-acoustic Stimulation*** - D. Schramm; W. Alhazmi; C. Seguin, OTTAWA, ON
12. ***The Effect of Mobile Phone Usage on Auditory System*** - I. Shami; A. Alsanosi; A. Hagr, RIYADH, SAUDI ARABIA

PEDIATRIC OTOLARYNGOLOGY

1. ***Airway Management in Newborns with Pierre Robin Sequence: The McMaster University Experience*** - S. Banglawala; S. Nayan; D. Reid, TORONTO, ON
2. ***Tracheal Duplication Cyst*** - M. Al Gilani; L Johnson, HALIFAX, NS
3. ***Preseptal Cellulitis in the Pediatric Population: Clinical Features and Management of 117 Cases*** - S. Moubayed; S. Daniel; T. Vu; C. Quach, LAVAL, QC

RHINOLOGY

1. ***Skull Base and Sinonasal Inflammatory Pseudotumor: An Emerging Clinical Entity?*** - M. Duval; M. Desrosiers; S. Kilty; F. Lavigne, OTTAWA, ON
2. ***The Use of Duraseal in Repair of Cerebrospinal Fluid Leaks*** - C. Chin; B. Rotenberg; L. Kus, LONDON, ON

HEAD AND NECK SURGERY

1. ***Type I Thyroplasty: Risk Stratification Approach to Inpatient versus Outpatient Post-operative Management*** - X. Zhao; K. Fung; K. Roth, TORONTO, ON
2. ***A Prospective Evaluation of Perioperative Concerns Amongst Patients Considering Thyroidectomy*** - L. Abdul-Sater; R. Payne; T. Mijovic; M. Black; M. Hier; M. Tamilia; J. Rivera; M. Ladouceur, PIERREFONDS, QC
3. ***Sarcomatoid Carcinoma in Head and Neck: 25 Years Experience*** - H. Al-Hakami; M. Black; M. Hier; L. Rochon; R. Payne; K. Sultanem, MONTREAL, QC
4. ***Genetic Analysis in Monozygotic Twins with Papillary Thyroid Carcinoma*** - S. Banglawala; M. Gill; S. Archibald, TORONTO, ON
5. ***Wait Times for Head and Neck Cancer Patients in the Maritime Provinces*** - J. Belyea; S. Mark Taylor; M. Rigby; J. Trites; R. Hart, HALIFAX, NS
6. ***Distress and Quality of Life in Head and Neck Cancer*** - C. Bornbaum; P. Doyle; K. Fung; J. Franklin; A. Nichols; J. Yoo, LONDON, ON
7. ***Squamous Cell Carcinoma Arising in a Proliferating Pilar (tichilemmal) Cyst with Nodal and Distant Metastasis*** - A. Eskander; D. Goldstein; D. Ghazarian; P. Bray; L. Dawson, MISSISSAUGA, ON

8. ***Expression and Localization of Osteopontin, Homing Cell Adhesion Molecule/CD44 and Integrin α v β 3 in Selected Benign and Malignant Salivary Gland Tumors*** - T. Fok; M. Darling; A. Chambers; T. Daley; K. Fung; L. Jacson-Boeters; A. Tuck, LONDON, ON
9. ***Thyroglossal Duct Cyst Papillary Carcinoma: Series of Cases and Reflection on the Management*** - V. Forest; J. Clark; J. Zu; R. Murali, MONT-ROYAL, QC
10. ***Carotid Body Tumors: Clinical Outcomes Using a Multidisciplinary Surgical Approach to Treatment*** - M. Hoy; J. Dort, CALGARY, AB
11. ***The Effect of Multi-detector Computed Tomography on the Diagnosis of Abscesses in the Head and Neck*** - J. Cho; V. Anand; L. Rudmik; J. Lysack; J. Dort, CALGARY, AB
12. ***Oral Cancer Screening and Socio-economic Status: Is There a Relationship*** - S. Johnson; M. Corsten; J. McDonald, Ottawa, ON
13. ***Is Gender a Risk Factor for Thyroid Cancer in Patients Presenting with Palpable Thyroid Nodules*** - S. Karls; R. Payne; M. Tamilia; O. Gologan; M. Hier; M. Blac, MONTREAL, QC
14. ***Malignant Carotid Body Tumors*** - A. Mendez ; S. Mark Taylor; R. Hart; J. Trites, HALIFAX, NS
15. ***Functional Outcomes After Treatment of Advanced Oropharyngeal Carcinoma with Radiation or Chemoradiation*** - C. Myers; P. Kerr; F. Bammeker; J. Butler; A. Cooke; P. Lambert; K. Frudette, WINNIPEG, MB
16. ***Health Information for Laryngectomy Patients: Current Resources and Continuing Needs*** - H. Osborn; K. Fung; J. Franklin; J. Yoo; A. Nichols, LONDON, ON
17. ***Outcomes of Endoscopic CO₂ Laser Surgery for Recurrent Head and Neck Cancer*** - L. Reynolds; S. Mark Taylor; M. Rigby; J. Trites; R. Hart; M. MacLean, HALIFAX, NS
18. ***Minimally Invasive Parathyroidectomy: An Algorithm for Post-operative Care*** - J. Tibbo; J. Harris; G. Kurien, EDMONTON, AB

CASE REPORTS

1. ***Late Complication in Posterior Tibial Microvascular Free Flap Reconstruction in the Head and Neck*** - J. Vaz; H. Seikaly; D. Cote; J. Harris, EDMONTON, AB
2. ***A Case of Sarcomatoid Carcinoma of the Maxilla*** - M. Al Gilani; R. Hart; M. Taylor; B. Williams; J. Trites; M. Bullock, HALIFAX, NS
3. ***Endoscopic Resection of a Giant Basal Cell Adenoma of the Nasal Septum*** - D. AlMutairi; S. Kilty; J. Young; D. Wang, OTTAWA, ON
4. ***Cochlear Implant Rehabilitation for Patients with Vestibular Schwannoma*** - H. Amoodi; M. Bance; F. Makki, HALIFAX, NS
5. ***Cervical Necrotizing Fasciitis a Complication of Acute Epiglottitis: Case Reports and Literature*** - I. Arteau-Gauthier; E. Laurier, QUEBEC CITY, QC
6. ***Malignant Paragangliomas: Case Report and Literature Review*** - V. Biron; J. Glicksman; P. Dzegielewski; H. Seikaly; J. Harris, EDMONTON, AB
7. ***Malignant Struma Ovarii: A Case Report and Review of the Literature with Emphasis on Post-operative Management*** - B. Cross; T. Smith; K. Burrage; L. Savoury; B. Lee; W. Ingram; P.K. Ganguly, CONCEPTION BAY SOUTH , NL
8. ***A Rare Case of Laryngeal Crohn's Disease with Airway Obstructive Symptoms: Presentation and Management*** - R. Jaggi; T. Brown; E. Massoud; M. Bullock, HALIFAX, NS
9. ***Solitary Amyloidosis of the Tongue Diagnosed by Minimally Invasive Transcutaneous Core Biopsy*** - G. Jeremic; J. Franklin; B. Wehrli, LONDON, ON

10. ***Bilateral Dacrocystoceles: A Rare Cause of Neonatal Respiratory Distress*** - M. Lecavalier; L. Nguyen, OTTAWA, ON
11. ***Undifferentiated High-grade Pleomorphic Sarcoma of the Face*** - A. Mendez; S. Mark Taylor; R. Hart; J. Trites; M. Bullock, HALIFAX, NS
12. ***Esophageal Wishbone Extraction: Not for the Chicken-hearted!*** - R. Mondin; F. Kozak; L. Carpes; M. Fandino; J. Tang, VANCOUVER, BC
13. ***Rapidly Progressing Pleomorphic Adenoma of the Palate in an Adolescent*** - S. Moubayed; S. Daniel; F. Al Saab, LAVAL, QC
14. ***Ewing's Sarcoma of the Masseter Muscle*** - H. Osborn; K. Fung; J. Franklin; J. Yoo; B. Wehrli; D. Ho; A. Hammond; D. Logan, LONDON, ON
15. ***Traumatic Thyroid Hematoma Associated with Thyroid Carcinoma*** - C. Rivera-Serrano; B. Park; R. Ferris, PITTSBURGH, PA
16. ***Extensive Temporal Bone Fibrous dysplasia - Presentation, Resection and Reconstruction*** - M. Shakeel; A. Hussain; M. Kamel, ABERDEEN, SCOTLAND
17. ***Facial Palsy and Nasal Mass: An Unusual Presentation of Wegener's Granulomatosis. Case Report and Review of Literature*** - T. Shinghal; J. Lee, TORONTO, ON
18. ***Large Antrochoanal Polyp Causing Sleep Disordered Breathing in a Child: A Case Report and Literature Review*** - E. Martin; L. Nguyen, MONTREAL, QC