

THE UNIVERSITY OF BRITISH COLUMBIA
Curriculum Vitae for Faculty Members

Date: July 20, 2019 **Initials:**

1. **SURNAME:** Irvine

FIRST NAME: Robert
MIDDLE NAME(S): Andrew

2. **DEPARTMENT/SCHOOL:** Surgery

3. **FACULTY:** Medicine

4. **PRESENT RANK:** Clinical Associate Prof. **SINCE:** January 26, 2005

5. **POST-SECONDARY EDUCATION**

University of Saskatchewan	Pre-Med. Studies	1977-79
University of Saskatchewan	M.D. (with distinction)	1979-84

Special Professional Qualifications (eg Internships, Residencies, Specialty Board Qualifications)

St. Paul's Hospital, Saskatoon	Rotating internship	1984-85
University Hospital, Saskatoon	General Surgery Resident	1985-86
University of British Columbia	Otolaryngology Resident	1986-89
Inselspital, Berne, Switzerland	Fellow-Maxillofacial Surgery	Feb-May 1990
Mercy Hospital, Pittsburgh, PA	Fellow-Head & Neck and Microvascular Surgery	1990-91
Fellow, Royal College of Surgeons Of Canada	Otolaryngology	1989
American Board of Otolaryngology	Diplomate	1989

6. **EMPLOYMENT RECORD**

(a) *Prior to coming to UBC*
N/A

(b) *At UBC*

Faculty of Medicine, Department of Surgery		
Clinical Instructor		1991 - 1995
Clinical Assistant Professor		1995 – 2005
Clinical Associate Professor		2005 – present

(c) *At Hospital*

St. Paul's Hospital	Courtesy Staff	1991 - 2002
St. Paul's Hospital	Temporary Active Staff	2002 - 2003
Providence Health Care	Active Staff	2004 - present
Vancouver General Hospital	Associate Staff	1996 - 1998
Vancouver General Hospital	Active Staff	1998 - 2007
St. Mary's Hospital	Active Staff	1991 - 2004
Fraser-Burrard Hospital Society	Active Staff	1991 - 2001
Fraser-Burrard Hospital Society	Consulting Staff	2002 - 2003
Surrey Memorial Hospital	Active Staff	1991 - 1995
B. C. Cancer Agency	Consulting Staff	1991 - 2010

(d) *Other*

Private Practice in Otolaryngology 1991 – present

Committee Member/Primary Reviewer-Inquiry Committee Panel C, College of Physicians & Surgeons of BC, July 1, 2013-present

7. **LEAVES OF ABSENCE**

N/A

8. **TEACHING**

(a) *Areas of special interest and accomplishments*

Head and Neck surgery
Thyroid, parathyroid and salivary gland surgery
Salivary gland endoscopy

(b) *Courses Taught at UBC*

INDE 410 Clinical Skills: 2 hour tutorial approximately 1-2 times per year (nil in last 3-4 years)
Introduction to ENT for 1st year medical students – annual presentation (nil in last 3-4 years)

(c) *Postgraduate Teaching*

i) Scheduled Activities

- Frontal Sinus and Naso-Ethmoid Fractures, ENT Residents	1995
- Laryngeal Trauma, ENT Residents	1995
- Organization of Bi-Annual ENT Resident Head and Neck Cancer Lecture series:	1996-2004
- Seminar on common ENT problems for 2nd year family practice residents	1999 & 2000
- Bi-Annual ENT Resident Seminars on Thyroid, Parathyroid and Salivary Gland disorders, Deep Neck Space Infections	2002 - 04

ii) *Unscheduled Activities*

Otolaryngology resident supervision in the ENT clinic at St. Paul's, and in the operating rooms at St. Paul's and Mt. St. Joseph's Hospitals throughout the year.

(d) *Continuing Education Activities*

Sore Throat-Emergency Management, UBC ENT GP Refresher Course,	1994
Oral Mucosal Lesions, University of Saskatchewan Medical Update,	1994
St. Paul's Hospital Hands-on Tips in ENT	2002-09

(e) *Visiting Lecturer (indicate university/organization and dates)*

(f) *Other*

Management of Epistaxis,	St. Mary's Hospital Nursing Staff,	1993
Obstructive Sleep Apnea in Children,	St. Mary's Hospital Nursing Staff,	1995
UBC Pre-Med Society Presentation – Introduction to Otolaryngology		2003, 2005

9. SCHOLARLY AND PROFESSIONAL ACTIVITIES(a) *Areas of special interest and accomplishments*

Thyroid and Parathyroid Surgery
 Head & Neck Surgery
 Salivary Gland surgery and endoscopy

(d) *Invited Presentations*

“Use of Lasers and Lithotripsy in Salivary Endoscopy,” Minimally Invasive Salivary Gland Techniques Course, George Washington University, Washington DC, Sept. 8, 2012

Mexican Society of Otorhinolaryngology Annual Meeting, Mexico City, Feb. 15-17, 2018, Faculty Member for the first Mexican Sialendoscopy Course

“Salivary Endoscopy,” BC Otolaryngology Society Clinic Day, November 3, 2012

(e) *Other Presentations*

“The Utility of a Palm Pilot-based Resident Educational Tracking Program at UBC,” presented at the Canadian Society of Otolaryngology Annual Meeting, Quebec City, 2004

“Sialendoscopy-How Steep is the Learning Curve,” presented at The Second International Congress on Salivary Gland Disease, Pittsburgh PA, October 19, 2007

“Technology in Parathyroid Surgery,” presented at the BCCA Endocrine Surgical Oncology Update, Vancouver BC October 27, 2007

Workshop panelist and moderator, “Salivary Gland Obstruction: Assessment and Management, including Endoscopic Techniques,” June 4, 2008, Canadian Society of Otolaryngology Annual Meeting, Jasper, Alberta

“Endoscopic Management of Sialolithiasis,” presented at the BC Otolaryngology Society Clinic Day, Kelowna BC, April 25, 2009

Panel Member: Miniseminar - Salivary Endoscopy: Advanced Practice and Controversies; American Academy of Otolaryngology Annual Meeting, San Diego CA, Oct. 7/09

“Choosing the Right Patient for Sialoendoscopy,” Hands On Workshop in Sialoendoscopy, Canadian Society of Otolaryngology, Niagara Falls ON May 26, 2010

“Salivary Endoscopy: For Beginners and Advanced Practitioners,” Miniseminar Panel Participant, American Academy of Otolaryngology Annual Meeting, Boston, MA, Sept. 26-29, 2010

1. Review of Salivary Laser Lithotripsy Outcomes and Selection Criteria-Irvine R, Sharma A, Swanson S,
2. Comparing the Efficiency of Salivary Stone Fragmentation and Holmium-YAG Laser Settings – Irvine R, Sharma A, Homayoon B, Swanson S;
3. Correlation between CT salivary stone characteristics and success of Holmium-YAG laser fragmentation Chang B, Sharma A, Wan Fook Cheung V, Irvine R; Presented at the 1st International Sialendoscopy Conference, March 24-25, Geneva, Switzerland

“Salivary Laser Lithotripsy,” 16th International Sialendoscopy Hands On Course, March 22-23, Geneva, Switzerland

“Salivary Endoscopy,” Miniseminar Panel Participant, American Academy of Otolaryngology Annual Meeting, Washington DC Sept. 9-12, 2012

(f) *Other*

Panel participant and instructor, 12th Annual Sialendoscopy Hands On Course, October 9-11, 2008, University of Geneva, Switzerland

Course Lecturer and Instructor: Hands On Workshop in Sialoendoscopy; International Congress On Salivary Gland Disorders, Association ORL du Quebec, Montreal, Oct. 29/09.

Course Instructor: Hands on Workshop on Salivary Endoscopy, Canadian Society of Otolaryngology, Niagara Falls ON, May 26/10

Course Instructor, Hands on Workshop on Salivary Endoscopy, Minimally Invasive Salivary Gland Techniques Course, George Washington University, Washington DC, Sept. 8, 2012

Panel Participant: Consensus attitude towards strictures; Consensus review of the LSD classification; Reimbursement around the world; 1st International Sialendoscopy Conference, March 24-25, Geneva, Switzerland

2015 24th & 25th International Sialendoscopy courses-beginner & advanced, Geneva Sept. 7-11: Presentations given:

- Parotid stones: surgical approaches
- Combined approaches to parotid stones
- When to abort a sialendoscopy procedure

Session moderator:

- Stones session
- Controversies in sialendoscopy

Instructor in hands-on sialendoscopy and laser stone laboratories

BCOS/UBC Clinic Day October 18, 2015
Sialendoscopy: Indications and Techniques

2016 26th & 27th International Sialendoscopy courses-beginner & advanced, Geneva Oct. 4-8: Presentations scheduled:

- Different types of salivary endoscopes
- Failure to cannulate: What to do and when?
- L1 L2 stones: always a pure endoscopic approach?
- Laser fragmentation: experience from Canada
- Which endoscope in which situation?

Session moderator:

- Stone session
- Submandibular combined session

IFOS Meeting Paris June 24-27, 2017
Roundtable Member: Combining Sialendoscopy and Surgery - Can We Solve All Cases?
-presentation and discussion on Parotid Posterior Pathologies

Live Surgery Broadcast from St. Paul's Hospital Operating Room to the 28th & 29th International Sialendoscopy courses-beginner & advanced, Aug. 28-Sept. 1/17; Combined approach procedure for parotid ductal stone, August 30.

2017 European Salivary Gland Society Congress Barcelona October 7-11
 Stone Fragmentation- Laser, other methods
 Intraductal Fragmentation & Limitations

2018 30th & 31st International Sialendoscopy Courses-beginner & advanced, Geneva, Sept. 3-7:
 Presentations given:
 -Informed Consent in Sialendoscopy
 -Attitude when Failing (options when sialendoscopy is unsuccessful)
 -Moderator: Live Surgery transmission from Lyon, France
 -Intraductal Laser Fragmentation for L2/L3 Stones

BCCA Surgical Oncology Network Endocrine Update October 13, 2018, Presentation on Radioactive Iodine induced Sialadenitis

BC Otolaryngology Society Clinic Day October 14, 2018 Presentation on Simple office extraction of distal submandibular ductal stones

5th Congress of the European ORL-HNS Meeting Brussels June 29-July 3, 2019; Keynote Lecture Salivary Stone Fragmentation (Laser, other methods)

(g) *Conference Participation (Organizer, Keynote Speaker, etc.)*

Thyroid Panel Member, BCCA Endocrine Surgical Oncology Update, Vancouver BC October 27, 2007
 Abstract Reviewer, 5th Congress of European ORL-HNS, Brussels, June 29-July 3, 2019

10. SERVICE TO THE UNIVERSITY

(a) *Memberships on committees, including offices held and dates*

Residency Training Committee	1996 - 2007
Otolaryngology Executive Committee	1994 - 1998, 2001 - 2012
Primary Reviewer – UBC Clinical Research Ethics Board	June 2004 – May 2007
Department of Surgery Resident Education Committee	2002 - 2004

(b) *Other service, including dates*

Division of Otolaryngology Residency Program Director	July 1, 2002-August 1, 2004
UBC Otolaryngology Headship Search Committee	2002 – 2004, 2011
Internal Reviewer, Division of Maternal-Fetal Medicine	October 29, 2004

10.2 SERVICE TO THE HOSPITAL

(a) *Memberships on committees, including office held and dates*

St. Mary's Hospital,	Medical Advisory Committee	1992 -1998
“	Surgical Committee Member	1992 -1998
“	Surgical Liaison Committee	1992 -1998
“	Credentials Committee	1997 -1998
St. Mary's Hospital,	Chairman - Department of Otolaryngology	1992 - 1998
“	Secretary - Medical Staff	1995
“	Vice President - Medical Staff	1996
“	President - Medical Staff	1997
“	Past President - Medical Staff	1998

St. Paul's Hospital,	Acting Head, Division of Otolaryngology	June - Sept. 2001
St. Paul's Hospital	Head, Division of Otolaryngology	Nov. 2002 – Sept. 2012
St. Paul's Hospital	Surgical Business Committee	2002 – 2012
St. Paul's Hospital	Surgical Executive Committee	2002 – 2012
St. Paul's Hospital	Rotary Hearing Centre Working Group	2004
St. Paul's Hospital	Physician Operations Leader-Ambulatory Surgery	July 1/06-May 1/10
Vancouver Coastal Health Authority	Pediatric Services Steering Committee	2004
Providence Health Care	Legacy Redesign Inpatient Services Team-Member	Sept-Oct/05

11. **SERVICE TO THE COMMUNITY**

(a) *Memberships on scholarly societies, including offices held and dates*

Canadian Society of Otolaryngology	1989 to 2017
American Academy of Otolaryngology/Head & Neck Surgery	1989 to 1996
Royal College of Physicians & Surgeons of Canada - Fellow	1989 to present
American College of Surgeons - Fellow	1994 to 2004
Multidisciplinary Salivary Gland Society Member	2018
International Sialendoscopy Society Member	2018

(b) *Memberships on other societies, including offices held and dates*

B.C. Medical Association	1989 to present
B.C. Otolaryngology Society	1989 to present
Canadian Medical Association	1989 to present

Offices Held:

B.C. Otolaryngology Society - Lower Mainland Representative	2000
B.C. Otolaryngology Society - Economics Committee Member	2000

12. **AWARDS AND DISTINCTIONS**

(a) *Awards for Teaching (indicate name of award, awarding organizations, date)*

Golden Grommet Award, Division of Otolaryngology, 2000
P. J. Doyle Teacher of the Year Award, Division of Otolaryngology, 2010

(b) *Awards for Scholarship (indicate name of award, awarding organizations, date)*

McLean Silver Medal for highest standing in Surgery, University of Saskatchewan, 1984

(c) *Awards for Service (indicate name of award, awarding organizations, date)*

(d) *Other Awards*

W. S. Goodman Award for best resident presentation in Facial Plastic Surgery, Canadian Otolaryngology Society Annual Meeting, 1989

13. **OTHER RELEVANT INFORMATION**

(a) *Post-Graduate Courses*

- AO/ASIF Workshop in Internal Fixation in Maxillary and Mandibular Surgery – Davos, Switzerland, 1990
- Mount Sinai Hospital Course in Microvascular Surgery, New York, 1993
- Physicians' Executive Management Program, Simon Fraser University, 2001 - 02
- UBC Certificate Program in Teaching and Learning in Higher Education, 2002 – 03
- UBC Faculty Development Educational Primer for Physicians, 12 hrs, June/July/03
- UBC Instructional Skills Workshop Dec. 4-6, 2002
- Royal College of Physicians & Surgeons New Program Director's Workshop Sept. 2002
- Fourth International Sialendoscopy Hands-On Course -University of Geneva, Switzerland January 24-25/03
- UBC Faculty of Medicine Leadership Workshops:
 - Effective Leadership in Changing Times Sept. 19/03
 - Leadership and Conflict Management Oct. 23/03
 - Strategic Leadership Nov. 27/03
 - Contemporary Issues of Effective Leadership Feb. 19/04
- Royal College of Physicians & Surgeons of Canada Accreditation Workshop for Program Directors, April 5, 2004
- CPR Level C Recertification Course – December 6, 2004 (expires Dec. 6, 2007)
- 22nd Annual Course for Physician Leaders, Richmond BC, April 15 & 16, 2005
- 23rd Annual Course for Physician Leaders, Richmond, BC, April 2006
- Leading at Providence Leadership Courses
 - Listening in a Hectic World Oct. 25/06
 - Resolving Conflicts with Your Peers Nov. 23/06
 - Correcting Performance Problems Dec. 7/06
 - Navigating Difficult Conversations I Dec. 5/06
 - Navigating Difficult Conversations II Feb. 8/07
 - Mediating Difficult Conversations March 13/08

American College of Surgeons Thyroid and Parathyroid Ultrasound Skills-Oriented Course, Feb. 13-14, 2010

Ultrasound Techniques for the Head & Neck Surgeon: An Introductory Workshop
Wednesday, May 25, 2011, Canadian Society of Otolaryngology Meeting, Victoria BC

(b) *Meetings attended*

1991 American Academy of Otolaryngology Annual Meeting - St. Louis, MO

- 1992 Canadian Society of Otolaryngology Annual Meeting - Quebec City
- 1992 American Academy of Otolaryngology Annual Meeting - San Diego
- 1992 3rd International Conference in Head & Neck Cancer - San Francisco
- 1993 Canadian Society of Otolaryngology Annual Meeting - Victoria
- 1993 American Academy of Otolaryngology Annual Meeting - Washington, DC
- 1994 Canadian Society of Otolaryngology Annual Meeting - Ottawa
- 1995 Canadian Society of Otolaryngology Annual Meeting - St. Andrew's By the Sea, NB
- 1995 American Academy of Otolaryngology Annual Meeting - New Orleans
- 1996 Canadian Society of Otolaryngology Annual Meeting - London, Ontario
- 1997 Canadian Society of Otolaryngology Annual Meeting - Whistler, BC
- 1998 Canadian Society of Otolaryngology Annual Meeting - Montreal
- 1999 Update in Rhinosinusitis Conference - Banff
- 2000 Update in Rhinosinusitis Conference - Lake Louise
- 2000 5th International Conference in Head & Neck Cancer - San Francisco
- 2001 Update in Rhinosinusitis Conference - Whistler, BC
- 2001 Canadian Society of Otolaryngology Annual Meeting - Vancouver
- 2001 Surgery of the Thyroid and Parathyroid, Harvard Medical School, Nov. 10&11/01
- 2002 Update in Rhinosinusitis Conference - Banff
- 2002 Canadian Society of Otolaryngology Annual Meeting – Ottawa
- 2003 Canadian Society of Otolaryngology Annual Meeting – Calgary
- 2004 Canadian Society of Otolaryngology Annual Meeting – Quebec City
- 2004 American Academy of Otolaryngology Annual Meeting, New York City
- 2004 American Thyroid Association Annual Meeting, Vancouver, BC, September 29-30
- 2005 Surgery of the Thyroid and Parathyroid, Harvard Medical School, Nov. 11 & 12/05
- 2006 Canadian Society of Otolaryngology Annual Meeting – Kelowna BC
- 2007 Dysphagia Research Society Annual Meeting – Vancouver BC, March 7, 2007
- 2007 Canadian Society of Otolaryngology Annual Meeting-Montreal
- 2007 Second International Congress on Salivary Gland Disease-Pittsburgh Oct. 19-21
- 2007 BC Cancer Agency Endocrine Surgical Oncology Update- Vancouver, Oct. 27.
- 2008 BC Otolaryngology Society/UBC Clinic Day – Vancouver April 26
- 2008 Surgery of the Thyroid and Parathyroid, Harvard Medical School, Nov. 7-9
- 2009 Canadian Society of Otolaryngology Annual Meeting-Halifax NS May 10-12
- 2009 American Academy of Otolaryngology Annual Meeting San Diego CA Oct. 4-7
- 2010 Canadian Society of Otolaryngology Annual Meeting-Niagara Falls ON, May 23-25
- 2011 Canadian Society of Otolaryngology Annual Meeting-Victoria BC May 22-24
- 2011 American Academy of Otolaryngology Annual Meeting, Boston MA Sept. 26-29
- 2012 3rd International Congress on Salivary Gland Diseases, Geneva March 22-23
- 2012 1st International Sialendoscopy Conference, Geneva March 24-25
- 2012 17th International Sialendoscopy Course-Advanced, Geneva March 26-27
- 2012 American Academy of Otolaryngology Annual Meeting, Washington DC Sept. 9-12
- 2015 24th & 25th International Sialendoscopy courses-beginner & advanced, Geneva Sept. 7-11
- 2015 BCOS/UBC Clinic Day October 18, 2015
- 2016 26th & 27th International Sialendoscopy courses-beginner & advanced, Geneva Oct. 4-8
- 2017 International Federation of Otolaryngology Societies Meeting, Paris, June 24-27
- 2017 European Otorhinolaryngology Annual Meeting-Barcelona, October 7-11
- 2018 30th & 31st International Sialendoscopy courses-beginner & advanced, Geneva Sept. 3-7
- 2018 BCCA Surgical Oncology Network Endocrine Update, Vancouver, Oct. 13
- 2018 BC Otolaryngology Society Education Day, Vancouver, Oct. 14

THE UNIVERSITY OF BRITISH COLUMBIA
Publications Record

SURNAME: Irvine

FIRST NAME: Robert
MIDDLE NAME(S): AndrewInitials:
Date:**1. REFEREED PUBLICATIONS***(a) Journals*

- i. Chiu CG, Yao R, Chan SK, Strugnell SS, Bugis S, **Irvine R**, Anderson D, Walker B, Jones SJ, Wiseman SM. Hemithyroidectomy is the preferred initial operative approach for an indeterminate fine needle aspiration biopsy diagnosis. Canadian Journal of Surgery. 55(3):191-8, 2012
- ii. Swanson TW, Chan SK, Jones SJ, Bugis S, **Irvine R**, Belzberg A, Levine D, Wiseman SM. Determinants of Tc-99m sestamibi SPECT scan sensitivity in primary hyperparathyroidism. American Journal of Surgery. 199(5):614-20, 2010 May.
- iii. Chau JK, Lin JR, Atashband S, **Irvine RA**, Westerberg BD. Systematic review of the evidence for the etiology of adult sudden sensorineural hearing loss. Laryngoscope. 120(5):1011-21, 2010 May.
- iv. Lim JP, **Irvine R**, Bugis S, Holmes D, Wiseman SM. Intact parathyroid hormone measurement 1 hour after thyroid surgery identifies individuals at high risk for the development of symptomatic hypocalcemia. American Journal of Surgery. 197(5):648-53; discussion 653-4, 2009 May.
- v. Kennedy, SA, **Irvine, RA**, Westerberg, BD, Zhang, H., Meta-Analysis: Prophylactic Drainage and Bleeding Complications in Thyroid Surgery, Journal of Otolaryngology, 37(6): 768-773, Dec. 2008
- vi. Marchal, F, Chossegras, C, et al, Salivary stones and stenosis. A comprehensive classification. Revue de Stomatologie et de Chirurgie Maxillo-Faciale. 109(4):233-6, 2008 Sept.
- vii. Shoman, N, Melck, A, Holmes, D, **Irvine, R**, Bugis, S, Zhang, H, Wiseman, SM, Utility of intraoperative parathyroid hormone measurement in predicting postparathyroidectomy hypocalcemia J Otolaryngol Head Neck Surg. 37(1):16-22, 2008 Feb.
- viii. Melck A, Bugis S, Baliski C, **Irvine R**, Anderson DW, Wilkins G, Zhang H, Wiseman SM, Hemithyroidectomy: the preferred initial surgical approach for management of Hurthle cell neoplasm. American Journal of Surgery. 191(5):593-7, 2006 May
- ix. Wiseman, S., Baliski, C., **Irvine, R.**, Anderson, D., et al, Hemithyroidectomy: The Optimal Initial Surgical Approach for Individuals Undergoing Surgery for a Cytological Diagnosis of Follicular Neoplasm. Annals of Surgical Oncology. 13(3):425-32, 2006 March
- x. Mah SM, Durham JS, Anderson DW, **Irvine RA**, Chow C, Fache JS, Weir I, Coupland DB; Functional results in oral cavity reconstruction using reinnervated versus nonreinnervated free fasciocutaneous grafts. Journal of Otolaryngology. 25(2):75-81, 1996 Apr.
- xi. Riding KH, **Irvine R**; Sinusitis in children. Journal of Otolaryngology. 16(4):239-43, 1987 Aug.

*(b) Conference Proceedings**(c) Other***2. NON-REFEREED PUBLICATIONS**

(a) *Journals*

(b) *Conference Proceedings*

(c) *Other*

3. **BOOKS**

(a) *Authored*

(b) *Edited*

(c) *Chapters*

3 short chapters published in ***Sialendoscopy, the Hands on Book***, Francis Marchal, MD, FACS, editor; published by the European Sialendoscopy Training Centre, Geneva, Switzerland

Ch. 35: *What do you need to know about laser fragmentation?* Pg. 100-101

Ch. 58: *When to abort a sialendoscopy procedure?* Pg. 146-147

Ch. 114: *Ductal stricture with stone: a case report.* Pg. 266-267

4. **PATENTS**

5. **SPECIAL COPYRIGHTS**

6. **ARTISTIC WORKS, PERFORMANCES, DESIGNS**

7. **OTHER WORKS**

8. **WORK SUBMITTED (including publisher and date of submission)**

Chapter 22, Stone Fragmentation, Laser, in ***Surgery of the Salivary Glands***, Robert L. Witt, ed, Elsevier Publishers, submitted August 2018

9. **WORK IN PROGRESS (including degree of completion)**