

Siavosh Vakilian

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Professional Experience

June 2018 to present:

Clinical Radiation Oncologist

Yuma Oncology Center
1951 W 25th Street, Suite F, Yuma, AZ, 85364

June 2016 to May 2018:

Voluntary Assistant Clinical Professor

Department of Radiation Medicine and Applied Science
University of California, San Diego, Health Sciences

January 2015 to May 2018:

Clinical Radiation Oncologist

Valley Radiotherapy Associates Medical Group
Imperial Valley Cancer Center (Vantage Oncology)
1410 S. La Brucherie Road, Suite B, El Centro, CA, 92243

July 2013 to September 2014:

Clinical Radiation Oncologist

Jewish General Hospital,
Montreal, Quebec, Canada
Faculty Lecturer, Department of Oncology, McGill University

Education

July 2008 to June 2013:

Radiation Oncology residency

McGill University, Montreal, Quebec, Canada

August 2004- May 2008:

MDCM (Doctor of Medicine and Master of Surgery)

McGill University, Montreal, Quebec, Canada

August 2001- April 2004:

Bachelor of Science

Physiology Major
Psychology Minor
McGill University, Montreal, Quebec, Canada

Awards

Nomination for Resident's Research Award, 25th CARO (Canadian Association of Radiation Oncology) meeting, 2011, Winnipeg, Manitoba
Dr. Alexander MacDonald Memorial Bursary (2004-2005)
Faculty of Medicine Summer Research Bursary (2005)
Graduated Great Distinction (2004)
Member of the Golden Key International Honor Society (2002-present)
J.W. McConnell Entrance Scholarship (2001)
McGill Certificate of Excellence (2001)
Andrew O'Connor Prize for Humanities (2001)
Marianopolis Scholar (2001)

Research Experience

- 2014 *Accelerated Hypofractionation in the Locoregional Irradiation of Breast Carcinomas*- prospective clinical trial- ongoing
- 2014 *Adjuvant Pelvic Irradiation as an Adjuvant Treatment of Endometrioid, Mucinous and Clear Cell Adenocarcinomas of the Ovary*- prospective clinical trial- ongoing
- 2013 *Examination of the Dose-Effect Relationship of Radiation-Induced Hypopituitarism: Results of a Case-Control Study*- clinical research project- supervised by Drs. Khalil Sultanem and Luis Souhami
- 2012 *FDG PET/CT in Initial Staging of Adult Soft-Tissue Sarcoma*- clinical research project- supervised by Dr. David Roberge
- 2011 *Vaginal Stenosis in Patients Undergoing Pelvic Radiotherapy*- prospective clinical trial- ongoing- supervised by Dr. Boris Bahoric
- 2011 *Head and Neck Re-irradiation for Patients with Recurrent or Second Primary Head and Neck Cancer: The McGill University Experience*- clinical research project- supervised by Drs. George Shenouda and Khalil Sultanem
- 2011 *Kinetics of Myxoid Liposarcoma Radiation Response and Effects on Radiation Dose Delivery*- clinical research project- supervised by Drs. Carolyn Freeman and David Roberge
- 2011 *Determinants of Vaginal Stenosis in Patients Undergoing Adjuvant Intracavitary Brachytherapy for Endometrial Cancer*- clinical research project- supervised by Dr. Boris Bahoric
- 2010 *Volumetric Measurement of Acoustic Neuroma Tumour Growth Following Resection and Predictors for Recurrence*- clinical research project- supervised by Drs. Anthony Zeitouni and Luis Souhami
- 2010 *Impact of Circumferential Resection Margin (CRM) on Local Recurrence and Distant Metastases for Patients with Rectal Cancer Treated with Preoperative Chemoradiation Therapy*- clinical research project- supervised by Dr. Te Vuong
- 2008 *Parameters for Re-scanning During Radiotherapy for Head and Neck Cancers*- clinical research project- supervised by Dr. George Shenouda
- 2005 *McGill Experience with Hypofractionation in Prostate Cancer*- clinical research project- supervised by Dr. Sergio Faria

2003 *Effect of Glucose Concentration on the I_{Kr} Current of Canine Ventricular Myocytes*- basic science research project- electrophysiology- supervised by Dr. Z. Wang, Montreal Heart Institute, Montreal, Canada

Publications

- 2015 *Head and Neck Re-irradiation for Patients with Recurrent or Second Primary Head and Neck Cancer: The McGill University Experience*. R. K. Al-Wassia, **S. Vakilian**, C. Holly, K. Sultanem, G. Shenouda. *Journal of Otolaryngology - Head & Neck Surgery*. 2015, 44:31
- 2015 *Examination of the Dose-Effect Relationship of Radiation-Induced Hypopituitarism: Results of a Case-Control Study*. **S. Vakilian**, J. Thebault, R. Ruo, S. Marcovitz, V. Panet-Raymond, G. Shenouda, K. Sultanem, L. Souhami. Submitted for publication to *Radiotherapy and Oncology*
- 2013 *Kinetics of Myxoid Liposarcoma Radiation Response and Effects on Radiation Dose Delivery*. **S. Vakilian**, C. Freeman, A. Al-Suhaibani, D. Roberge. *Pract Radiat Oncol*. 2013 Jul-Sep; 3(3):180-5. doi: 10.1016/j.prro.2012.06.005. Epub 2012 Jul 17
- 2012 *Volumetric Measurement of Acoustic Neuroma Tumour Growth Following Resection and Predictors for Recurrence*. **S. Vakilian**, L. Souhami, D. Melançon, A. Zeitouni. *J Neurol Surg B* 2012; 73 (02): 117-120
- 2012 *Impact of Circumferential Resection Margin (CRM) on Local Recurrence and Distant Metastases for Patients with Rectal Cancer Treated with Preoperative Chemoradiation Therapy*. A. Al-Suhaibani, T. Niazi, **S. Vakilian**, T. Vuong. Manuscript editing in progress
- 2012 *FDG PET/CT in Initial Staging of Adult Soft-Tissue Sarcoma*. D. Roberge, **S. Vakilian**, Y. Z. Alabed, M. Hickeson, M. Charest, R.E. Turcotte. *Sarcoma*, vol. 2012, Article ID 960194, 7 pages, 2012. doi:10.1155/2012/960194 Epub 2012 Dec 2
- 2009 *Orthostatic Hypotension*. **S. Vakilian**, R. Schondorf, K. Dasgupta. *Can J Gen Int Med* 2009; 4 (4): 222-223

Abstracts

- 2013 *Impact of Circumferential Resection Margin (CRM) on Local Recurrence and Distant Metastases in Patients Treated with Neoadjuvant Chemo-radiation for Rectal Cancer- Updated analysis*. A. Al-Suhaibani, T. Niazi, **S. Vakilian**, T. Vuong. **Poster viewing presentation**, ASTRO's 55th Annual Meeting (American Society of Therapeutic Radiation Oncology), Sept. 22-25, 2013, Atlanta, Georgia, USA
- 2013 *Impact of Circumferential Resection Margin (CRM) on Local Recurrence and Distant Metastases for Patients with Rectal Cancer Treated with Preoperative Chemoradiation Therapy*. A. Al-Suhaibani, T. Niazi, **S. Vakilian**, T. Vuong. **Poster Presentation**, CARO-COMP 2013 Joint Scientific Meeting, September 2013, Montreal, Quebec

- 2012 *Head and Neck Re-irradiation: the McGill University Experience.* R. K. Al-Wassia, **S. Vakilian**, C. Holly, K. Sultanem, G. Shenouda. **Poster Presentation**, 26th CARO (Canadian Association of Radiation Oncology) meeting, 2012, Ottawa, Ontario
- 2011 *Volumetric Measurement of Acoustic Neuroma Tumour Growth Following Resection and Predictors for Recurrence.* **S. Vakilian**, L. Souhami, D. Melançon, A. Zeitouni. **Oral presentation**, 21st NASBS (North American Skull Base Society) meeting, February, 2011, Scottsdale, Arizona
- 2011 *Kinetics of Myxoid Liposarcoma Radiation Response.* **S. Vakilian**, C. Freeman, A. Al-Suhaibani, D. Roberge. **Oral presentation**, 25th CARO (Canadian Association of Radiation Oncology) meeting, 2011, Winnipeg, Manitoba
- 2011 *Determinants of Vaginal Stenosis in Patients Undergoing Adjuvant Intracavitary Brachytherapy for Endometrial Cancer.* **S. Vakilian**, A. Al-Suhaibani, B. Bahoric. **Oral presentation**, 25th CARO (Canadian Association of Radiation Oncology) meeting, 2011, Winnipeg, Manitoba
- 2011 *Can Volumetric Measurements of Tumor Remnant Growth Following Resection of Acoustic Neuromas Help Determine the Need for Adjuvant Therapy?* **S. Vakilian**, L. Souhami, D. Melançon, A. Zeitouni. **Poster presentation**, 25th CARO (Canadian Association of Radiation Oncology) meeting, 2011, Winnipeg, Manitoba
- 2011 *Effect of Circumferential Resection Margin (CRM) on Local Recurrence and Distant Metastases in Patients Treated with Neoadjuvant Chemoradiation for Rectal Cancer.* Al-Suhaibani, T. Niazi, **S. Vakilian**, T. Vuong. **Poster viewing presentation**, 53rd annual meeting of ASTRO (American Society of Therapeutic Radiation Oncology), 2011, Miami, Florida
- 2011 *Myxoid Liposarcoma Radiation Response.* **S. Vakilian**, C. Freeman, A. Al-Suhaibani, D. Roberge. **Poster viewing presentation**, 53rd annual meeting of ASTRO (American Society of Therapeutic Radiation Oncology), 2011, Miami, Florida
- 2011 *What Causes Vaginal Stenosis in Patients Undergoing Adjuvant Intracavitary Brachytherapy for Endometrial Cancer?* **S. Vakilian**, A. Al-Suhaibani, B. Bahoric. **Poster viewing presentation**, 53rd annual meeting of ASTRO (American Society of Therapeutic Radiation Oncology), 2011, Miami, Florida
- 2011 *Impact of Circumferential Resection Margin (CRM) on Local Recurrence and Distant Metastases for Patients with Rectal Cancer Treated with Preoperative Chemoradiation Therapy.* A. Al-Suhaibani, T. Niazi, **S. Vakilian**, T. Vuong. **Poster presentation**, 25th CARO (Canadian Association of Radiation Oncology) meeting, 2011, Winnipeg, Manitoba
- 2008 *Parameters for Re-scanning During Radiotherapy for Head and Neck Cancers.* F. Huang, **S. Vakilian**, W. Parker, G. Shenouda. **Poster presentation**, 21st CARO meeting, September 2008, Montréal, Québec

Clinical Trials Participation

July 2013 to September 2014:

Certificate from the NIH Office of Extramural Research

Co-investigator in many cooperative group clinical trials (RTOG, NSABP)

Teaching

July 2013 to September 2014:

McGill University

Lecturer on Hodgkin's Lymphoma, intra-departmental journal club meetings and interdisciplinary Tumor Boards, Jewish General Hospital, Montreal, Canada

Lecturer on Palliative Radiation Oncology, Residents' Academic Half-Day, Jewish General Hospital, Montreal, Canada

Lecturer on Gastric Cancer, Residents' Academic Half-Day, Jewish General Hospital, Montreal, Canada

Clinical supervision of residents on clinical rotations, Jewish General Hospital, Montreal, Canada

Clinical supervision of medical students on oncology rotation (ICM), Jewish General Hospital, Montreal, Canada

Professional Activities

Chief Resident, Radiation Oncology, McGill University, 2012

Volunteer, Mother Teresa's Mission, Sidis Kilo, Addis Abbaba, Ethiopia (2005)

Vice President of the McGill Iranian Students' Association (2003-2004)

Lifeguard at the Sanctuaire Sporting Club, Marianopolis College, Guy-Favreau YMCA (1999-2005)

French language tutor, Marianopolis College, Montreal (2000-2001)

Additional Qualifications

Board Certified in Radiation Oncology by the American Board of Radiology (June 2017)

Fellow of the Royal College of Physicians and Surgeons of Canada (June 2013) in Radiation Oncology (Board Certified in Radiation Oncology in Canada)

License to practice by the Arizona Medical Board (2018)

License to practice by the Medical Board of California (2014)

Permit to practice by the College des Medecins du Quebec

USMLE step 1 (2006), step 2 CK (2008), step 2 CS (2009) and step 3 (December 2011)

Licentiate of the Medical Council of Canada (December 2009)

ACLS certification, Heart and Stroke Foundation of Quebec (re-certified in 2011)

MCAT (2003)

Languages Spoken

English, French, Farsi (Persian)

Last updated August 2020