

Curriculum Vitae

Gelareh Zadeh, MD, PhD, FRCS(C), FAANS

1. EDUCATION

Degrees

1999 Jan - 2006 Dec	PhD, Brain Tumor Angiogenesis, Medical Science, Institute of, University of Toronto, Toronto, Ontario, Canada, Supervisor(s): Abhijit Guha
1996 Jul - 2006 Jun	FRCS(C), Neurosurgery, Neurosurgery, University of Toronto, Toronto, Ontario, Canada, Supervisor(s): Dr Christopher Wallace
1993 Jul - 1994 Sep	BSc (Med.), Anatomy, The University of Manitoba, Manitoba, Canada, Supervisor(s): Dr. P.K. Ganguly
1992 Sep - 1996 Jun	MD, Medicine, The University of Manitoba, Winnipeg, Manitoba, Canada
1989 Sep - 1992 May	BSc, Major: Mathematics, Minor: Microbiology, The University of Manitoba, Canada

Postgraduate, Research and Specialty Training

2008 Sep - 2011 Sep	Clinician Scientist Fellow, Radiobiology Research & Translational Research in CNS Oncology, Clinician Scientist Fellowship – Phase I, Canadian Institutes of Health Research, Toronto, Ontario, Canada, Supervisor(s): Richard Hill
2006 Jul - 2007 Jun	Fellow, Radiobiology, Radiation Oncology/Radiobiology, University College London, London, United Kingdom, Supervisor(s): Dr Susan Short
2006 Jan - 2006 Jul	Neurosurgery Fellow, Radiosurgery Training, Neurosurgery, Gamma Knife Centre, University Health Network, Toronto, Ontario, Canada, Supervisor(s): Michael Schwartz
2000 Jul - 2004 Dec	Postdoctoral Trainee, Clinician Investigator, Clinician Investigator Program, University of Toronto, Toronto, Ontario, Canada

Qualifications, Certifications and Licenses

2015 Nov - present	American Board Neurological Surgeons - ABNS Oral Boards, Neurosurgery, American Board of Neurological Surgeons, United States, License / Membership #: 35129
2008 - present	License - Independent Practice, Neurosurgery, College of Physicians and Surgeons of Ontario, Ontario, Canada, License / Membership #: 74562
2006 - present	FRCS(C), Fellowship of Royal College of Surgeons of Canada, Neurosurgery, Royal College of Physicians and Surgeons of Canada, Canada
2013 - 2015	American Board of Neurological Surgeons - Part II, Neurosurgery, American Board of Neurological Surgery, United States
2006 - 2010	Medical License, Neurosurgery, General Medical Council, United Kingdom
2006 - 2010	Clinical Competency Neurosurgery Subspecialty Registration (Medical License), Neurosurgery, Postgraduate Medical Education Training Board, United Kingdom
2006	ABNS, Neurosurgery Fellowship Exam, Part I, American Board of Neurological Surgeons, United States
2005	LMCC Part II, Licentiate of Medical Council of Canada, Medical Council of Canada
1999 - 2005	Educational License, College of Physicians and Surgeons of Ontario
1999	POS – Principles of Surgery, Royal College of Physicians and Surgeons of Canada
1996 - 1999	Educational License, College of Physicians and Surgeons of Manitoba, Canada
1996	LMCC Part I, Licentiate of Medical Council of Canada, Medical Council of Canada, Winnipeg, Manitoba, Canada

2. EMPLOYMENT

Current Appointments

Current Appointments

2017 Sept- present	Program Medical Director , Krembil Neuroscience Centre, Toronto Western Hospital, University Health Network, Toronto, Canada
2016 Oct – 2018 Mar	Head , Toronto Central Regional Cancer Program, Cancer Care Ontario, Toronto, Canada
2016 July- present	Head , Division of Surgical Oncology, Department of Surgery, University Health Network, Toronto, Canada
2016 June-present	Scientific Chair and Medical Director , Acoustic Neuroma Association of Canada, Canada
2016 Jan - present	Full Member , Institute of Medical Science Graduate, University of Toronto, Toronto, Ontario, Canada
2015 Mar - present	Chair , Research, Wilkins Family Brain Tumor Research, Toronto, Ontario, Canada
2014 Jul - present	Associate Professor (Clinician Scientist), Division of Neurosurgery, University of Toronto, University Health Network, TWH, Toronto, Ontario, Canada
2014 Jan - present	Assistant Professor (Cross-appointment), Department of Otolaryngology-Head & Neck Surgery, Faculty of Medicine, University of Toronto, Toronto, Ontario, Canada
2013 Sep - present	Scientist , Cancer Biology, Faculty of Medicine, Ontario Cancer Institute, Toronto, Ontario, Canada
2011 Sep - present	Faculty Appointment , STTARR, Neurosurgery, Research, University Health Network, Canada
2008 Jul - present	Consultant Neurosurgeon , Division of Neurosurgery, Department of Surgery, Toronto Western Hospital, Toronto, Canada
2008 Jul - present	Scientist , Brain Tumor Research Centre, Neurosciences, University of Toronto, The Hospital for Sick Children, Toronto, Ontario, Canada
2008 Jul - present	Adjunct Scientist , Research Institute, SickKids Research Institute, The Hospital for Sick Children, Toronto, Ontario, Canada
2008 Jul - present	Affiliate Member , IMS, IMS, School of Graduate Studies, Institute of Medical Science, Toronto, Ontario, Canada

Previous Appointments

HOSPITAL

2006 - 2008	Lead Neurosurgeon , Neuro-oncology, Brain Tumour Unit, University College London Hospital, National Hospital for Neurology and Neurosurgery, University College London Hospitals, London, United Kingdom Consultant Neurosurgeon and Lead Neuro-oncology
-------------	--

RESEARCH

2009 - 2011	CIHR Clinician Scientist , Neuro-oncology, Surgery, Faculty of Medicine, University of Toronto, Lecturer, Phase I
-------------	--

UNIVERSITY

2006 Sep - 2008 Jul	Consultant Neurosurgeon , Neurosurgery, Neurosurgery and Neurology, School of Graduate Studies, University College London
2006 - 2008	Senior Lecturer , Institute of Neurology, University College London, London, United Kingdom

UNIVERSITY - RANK

2008 Jul - 2014 May	Assistant Professor (Clinician Scientist), Neurosurgery, Surgery, University of Toronto, University of Toronto, Toronto, Ontario, Canada
---------------------	---

3. HONOURS AND CAREER AWARDS (For the last five year)

Distinctions and Research Awards

Received

- 2015 **American Brain Tumor Association Young Investigator Award**, American Association of Neurological Surgeons (AANS), United States. (Research Award)
- 2015 **Hudson Faculty Teaching Award**, University of Toronto, Canada. (Distinction)
Best Faculty Teacher in Neurosurgery, (Division of Neurosurgery).
- 2014 **Bernard Langer Surgeon-Scientist Award**, University of Toronto, Toronto, Ontario, Canada. (Research Award)
- 2013 **2013 PAIRO Resident Advocate Award**, Residents and Interns Association of Ontario Distinction, Ontario, Canada. (Distinction)
- 2012 **Excellence in Adult Translational Research**, Principal Author, Society for Neuro-Oncology, United States. (Research Award, Specialty: Neuro-oncology)
Best Abstract Presented at Society of Neuro-oncology Annual Meeting.
- 2011 **Top Rated Abstract**, American Association of Neurology, Honolulu, Hawaii, United States. (Research Award)
- 2010 **“Best of the Best” Resident Education Abstract Award**, American Society of Therapeutic Radiation and Oncology, San Diego, California, United States. (Research Award)
Received at 2010 ASTRO Annual Meeting, Oct 31-Nov4, 2010.
- 2010 **Annual Clinician Scientist Award**, American Society of Therapeutic Radiation and Oncology, San Diego, California, United States. (Research Award)
Received at (ASTRO) Annual Meeting, Oct 31-Nov4, 2010.
- 2008 **Senior Lecturer**, Higher Education Funding Council for England, United Kingdom. (Research Award)
Five year Clinician-Scientist Salary Support, Total of 45 given in UK annually Declined, Due to return to University of Toronto. Total Amount: 500,000 GBP
- 2007 **Best Oral Presentation**, Society of British Neurological Surgeons, London, United Kingdom. (Research Award)
Received at Annual Meeting, 2007.
- 2005 **Ribbon Award - Best Poster Presentation**, American Association of Neurological Science, New Orleans, United States. (Distinction)
Poster: Evaluating the Prediction Scales for Brain AVMs.
- 2004 **Horsey Prize**, University of Toronto, Canada. (Research Award)
Best Clinical Research in Neurosurgery, second place (Division of Neurosurgery).
- 2003 **Academy Award**, The American Academy of Neurological Surgeons, Williamsburg, Virginia, United States. (Research Award)
Best resident research paper.
- 2003 **McKenzie Award – First Place**, Canadian Congress of Neurological Surgery, Quebec City, Canada. (Research Award)
Basic Science Research in Neurosurgery in Canada.
- 2003 **Edward Christie Stevens Fellowship**, University of Toronto, Canada. (Distinction)
Postgraduate Medical Education Award. Total Amount: 10,000 CAD
- 2003 **Henry Beatty Scholarship**, University of Toronto, Toronto, Canada. (Research Award)
Best resident neuroscience research project, University Health Network. Total Amount: 10,000
- 2003 **Honorable Mention, Gallie-Bateman Resident Research Award (Department of Surgery)**, University of Toronto, Canada. (Research Award)
- 2003 **Morley Price – First Place**, University of Toronto, Canada. (Research Award)
Basic Science Research in Neurosurgery (Division of Neurosurgery).
- 2002 **Excellence in Resident Research Award in Canada**, CIHR (Canadian Institutes of Health Research)/CSCI (Canadian Society of Clinician Investigators). (Research Award)
\$1000 and complimentary membership to CSCI for two years. Total Amount: 1,000 CAD
- 2002 **NCIC Student Travel Award**, National Cancer Institute of Canada. (Distinction)

- Travel Expenses for Presentation at American Association of Cancer Research.*
(GWC)2 Research Award, University of Guelph, Ontario, Canada. (Research Award)
Award for research in chemistry/biochemistry.
- Canada Scholarship**, The University of Manitoba, Canada. (Distinction)
National scholarship in science and engineering – two year scholarship.
- 2002 **Presentation Award**, International Heart Society Research, London, Ontario, Canada.
(Research Award)
Received at the 16th Annual Meeting of the International Heart Society Research.
- 2002 **The Angiogenesis Foundation Research Award**, Angiogenesis Foundation. (Research Award)
- 2002 **Chisholm Memorial Fellowship**, University of Toronto, Canada. (Distinction)
First Rank and selected for Gold Medal, Postgraduate Medical Education Award. Total Amount: 11,000 CAD
- 2002 **Honorable Mention, Gallie-Bateman Resident Research Award (Department of Surgery)**, University of Toronto, Canada. (Research Award)
- 2002 **Morley Price – Second Place**, University of Toronto, Canada. (Research Award)
Basic Science Research in Neurosurgery (Division of Neurosurgery).
- 2001 **Patty Rigby & John Wedge Scholarship in Science and Technology (Graduate School)**, University of Toronto, Canada. (Distinction)
Total Amount: 5,000 CAD
- 2001 **RESTRACOMP Tuition Bursary**, The Hospital for Sick Children, Toronto, Canada. (Distinction)
Total Amount: 5,000 CAD
- 1989 **Award of excellence in mathematics**, Fort Richmond Collegiate. (Distinction)
Senior year of high school.
- 1989 - 1992 **Dean's Honor List**, The University of Manitoba, Canada. (Distinction)
Entrance Scholarship, The University of Manitoba, Canada. (Distinction)
Merit Award, University of Toronto. (Distinction)
Total Amount: 1,500 CAD
Open Scholarship, University of Toronto. (Distinction)
Total Amount: 5,000 CAD
Sam Kay Travel Award, The University of Manitoba. (Distinction)
Total Amount: 500 CAD
Sandoz Prize, The University of Manitoba. (Distinction)
Best B.Sc. (Med.) project.

Teaching and Education Awards

Received

- 2015 **Alan Hudson Teaching Award**, Department of Surgery, Faculty of Medicine, University of Toronto, Canada. (Graduate Education)
- 2014 **Langer Surgeon Scientist Award**, Neurosurgery, Department of Surgery, Faculty of Medicine, University of Toronto. (Postgraduate MD)
- 2014 **Ross Fleming Surgical Educator Award**, Neurosurgery, Department of Surgery, Faculty of Medicine, University of Toronto. (Postgraduate MD)
- 2014 **Wightman-Berris Academy Individual Teaching Excellence Award**, Neurosurgery, Department of Surgery, Faculty of Medicine, University of Toronto. (Postgraduate MD)
- 2012 **2013 PAIRO Resident Advocate Award**, Residents and Interns Association of Ontario, Ontario, Canada. (Postgraduate MD, Core Program)
- 2006 **2006 PAIRO Resident Teaching Award**, Residents and Interns Association of Ontario, Canada. (Postgraduate MD)
- 2005 **Hudson Teaching Award**, Neurosurgery, Department of Surgery, Faculty of Medicine, University of Toronto, Canada
- 1999 **Resident Teaching Award**, Department of Surgery, Faculty of Medicine, The University of

Manitoba. (Graduate Education)
Outstanding Resident of Year in Neurosurgery.

Nominated

- 2013 **Ross Fleming Surgical Educator Award**, Neurosurgery, Department of Surgery, Faculty of Medicine, University of Toronto. (Postgraduate MD)
- 2013 **Wightman-Berris Academy Individual Teaching Excellence Award**, Neurosurgery, Department of Surgery, Faculty of Medicine, University of Toronto. (Postgraduate MD)

4. PROFESSIONAL AFFILIATIONS AND ACTIVITIES

Professional Associations

- 2018 - **Grant Reviewer**, Canadian Institutes of Health Research (CIHR), Cancer Biology & Therapeutics (C2), recommended by the Chair of the Committee, Ottawa, Canada
- 2017 – present **Grant Reviewer**, Canadian Institutes of Health Research (CIHR), Government of Canada, Toronto, ON,
- 2017 - present **Vice-Chair**, SNO Officers and Board of Directors, Society for Neuro-oncology (SNO)
- 2017 - present **Regional Chair**, Toronto General Regional Cancer Program,
- 2017 – present **Distinct Member** of the American Association of Neurological Surgery
- 2017 – present **Member**, Board of Director, Society for Neuro-oncology (SNO)
- 2016 - present **Member at Large**, North American Skull Base Society (NASBS)
- 2016 - present **Member**, Scientific Program Committee, North American Skull Base Society (NASBS)
- 2016 - present **Member**, Terry Fox Annual Scientific Meeting
- 2015 - present **Scientific Committee Member**, CNSF, Canadian Neuroscience Federation 2016
- 2015 - present **Executive Member**, International Gamma Knife Research Foundation (IGKRF)
- 2015 - present **Member of the Examination Committee**, Royal College of Physicians and Surgeons of Canada
- 2015 - present **Chair of the SNO International Outreach Committee**, Society for Neuro-oncology (SNO)
- 2015 - present **Elected Secretary/Treasurer**, Society for Neuro-oncology (SNO)
- 2015 - present **Scientific Chair**, Society for Neuro-oncology (SNO) and Consortium of Meningioma
- 2015 - present **Director and Founder**, Barrick-Wilkins SNO , Society for Neuro-oncology (SNO),
- 2015 - present **Scientific Committee Member**, Terry Fox Research Institute, 2016 Annual Scientific meeting
- 2015 - present **Member**, Grants Committee – Neurosurgery Research & Education Foundation (NREF)
- 2014 - present **Chair, Annual Scientific Meeting**, Society for Neuro-oncology (SNO)
- 2014 - present **Chair**, International Outreach Committee, Society for Neuro-oncology (SNO)
- 2013 - present **Co-Chair**, City Wide Brain Tumor Biobank
- 2013 - present **Chair and Organizer**, Neuro-Oncology Committee, World Federation of Neurosurgical Societies (WFNS)
- 2013 - present **Member**, Society of University Neurosurgeons (SUN)
- 2013 - present **Member**, Guidelines Committee, American Association of Neurological Surgeons (AANS)
Chair: Dr W Couldwell.
- 2011 - present **Member**, North American Skull Base Society (NASBS)
- 2010 - present **Member**, American Association of Neurological Surgeons ((AANS)
- 2010 - present **Member**, American Society of Therapeutic Radiation Oncology (ASTRO)
- 2010 - present **Member**, Canadian Association of Radiation Oncology (CARO)
- 2010 - present **Member**, Canadian Congress of Neurological Surgeons (CCNS)
- 2010 - present **Full Member**, Congress of Neurological Surgeons (CNS)
- 2010 - present **Member**, International Society of Pituitary Surgeons (ISPS)
- 2010 - present **Medical Advisor**, Acoustic Neuroma Association of Canada (ANAC), Patient and Public

Gelareh ZADEH

- Education, Toronto, Ontario, Canada
- 2009 - present **Full Member**, American Association of Cancer Research (AACR)
- 2009 - present **Executive Member**, Canadian Brain Tumor Consortium Net, Neurosurgery Representative, Toronto, Ontario, Canada. *Chair: Dr James Perry.*
- 2009 - present **Executive Member/Neurosurgery Representative**, Clinical Trials Group, Canadian Neurosurgeons Site, National Cancer Institute Canada (NCI)
Chair: Dr Warren Mason.
- 2006 - present **Member**, General Medical Council, United Kingdom
- 2004 - present **Member**, Ontario Medical Association (OMA), Toronto, Canada
- 2002 - 2006 **Resident Member**, Canadian Congress of Neurological Surgeons (CNS)
- 2000 - present **Member**, Brain Tumour Section of AANS
- 2000 - 2006 **Resident Member**, Congress of Neurological Surgeons (CNS)
- 1999 - present **Member**, Canadian Brain Tumour Network (CBTNet)
- 1999 - present **Member**, College of Physicians and Surgeons of Ontario (CPSO),
- 1999 - 2005 **Associate Member**, American Association of Cancer Research (AACR)
- 1994 - present **Member**, Canadian Medical Protective Association (CMPA),
- 1992 - 2000 **Member**, Manitoba Medical Association

Administrative Activities

- 2018 Feb **Chair**, 'Meningiomas Education Day' Annual Scientific Meeting at North American Skull Base Society' (NASBS), San Diego, California, USA.
- 2018 Feb **Course Director** of Meningioma Education Day of the North American, Skull Base Society. She was also Moderator and Discussant, "Molecular and Genomic, Landscape of Skull Base tumor." San Diego, California
- 2017 Nov **Chair**, of the Session 'Meningiomas: Molecular advances toward developing targeted therapies' at the 22nd Annual Scientific Meeting at the Society for Neuro-Oncology (SNO), San Francisco, California, USA.
- 2017 Oct **Course organizer and discussant**, at Congress of Neurological Surgeons (CNS), 'Practical Course on Updates in Management of Pituitary Tumors', together with Zach Litvak and Edward Laws. Boston, Chicago, USA
- 2017 Oct **Course Director**, Practical Course PC08, 'Management of Pituitary Adenomas and other Sellar pathology' Faculty of Medicine, Congress of Neurological Surgeons (CNS), Annual Meeting, Department of Surgery, Neurosurgery, Multilevel Education, United States.
- 2017 Oct **Organizer**, first sub-Saharan neuro-oncology Summit, in collaboration (S-SANOC) with Society of Neuro-oncology and International Brain Tumor Alliance, London, UK

Toronto General Regional Cancer Program

- 2017 Feb **Organizer**, COMMUNITY OF PRACTICE CNS ONCOLOGY
Gelareh Zadeh, Regional Chair, Surgical Oncology, CCO organized the first surgical oncology neuro-oncology community of practice.
- 2017 - present **Course Director**, Practical Course PC08, Faculty of Medicine, Department of Surgery, Neurosurgery, Multilevel Education, United States. – (CNS)
2017 Congress of Neurological Surgeons Annual Meeting - Management of Pituitary Adenomas and other Sellar pathology.
- 2016 - present **Scientific Chair and Founder**, Meningioma Consortium and International Meeting
Toronto, June 2016.
- 2016 - present **Scientific Program Chair**, Annual Keith Scientific Day, Multilevel Education
41st Annual William S. Keith Professorship in Neurosurgery, on June 6. – Toronto Western Hospital, UHN
- 2015 - present **Member**, Grants Committee – Neurosurgery Research & Education Foundation (NREF)

Acoustic Neuroma Association of Canada (ANAC)

- 2016 - present **Scientific Chair and Organizer**, ANAC, Multilevel Education, Toronto, Ontario, Canada.
2016 Scientific Meeting, in Toronto on June 4th.
- 2010 - present **Medical Advisor**, ANAC, ANAC, Patient and Public Education, Toronto, Ontario, Canada.

American Association of Neurological Surgeons (AANS)

- 2016 - present **Scientific Chair**, AANS Tumor Section, American Association of Neurological Surgeons
AANS Tumor Section, May 03-04.
- 2016 **Organizer and Moderator** - AANS
AANS Tumor Section Mini-Symposium on Precision Medicine in Neuro-oncology, Chicago, May 03
- 2013 - present **Member**, Guidelines Committee - AANS
Chair: Dr W Couldwell.
- 2010 - 2013 **Member**, Publications Committee – AANS
Chair: Dr A Levy.

Canadian Federation of Neurological Sciences (CNSF)

- 2016 - present **Member**, CNSS Scientific Program Committee, Canada.
*51st Congress annual meeting
at Quebec Convention Centre in June 21-24.*
- 2011 **Course Organizer**, Annual Neuro-Oncology Course
National Course, Vancouver, BC, 2011.

Canadian Neuro-Oncology Society (CNOS)

- 2016 - present **Moderator**, Session on Meningiomas, Toronto, Ontario, Canada.
invited moderator of session on meningiomas-17th Biennial Canadian Neuro-Oncology Meeting June 10-11

Canadian Brain Tumour Consortium Network (CBTC-Net)

- 2009 - present **Executive Member: Neurosurgery Representative**, CBTC-Net, Toronto, Ontario, Canada.
Chair: Dr James Perry.

North American Skull Base Society (NASBS)

- 2016 - present **Member at Large**, Research Committee- NASBS
- 2016 - present **Member**, NASBS Scientific Program Committee, United States.
- 2015 - 2016 **Member of the Scientific Organizing Committee**, North American Skull Base Society
- 2012 - 2013 **Member**, Research Committee, United States.

National Cancer Institute Canada (NCI)

- 2009 - present **Executive Member: Neurosurgery Representative**, Clinical Trials Group, CNS site
Chair: Dr Warren Mason.

National Cancer Research Institute (NCRI)

- 2007 - 2009 **Member**, Brain Tumour Clinical Study Group, United Kingdom.
- 2007 - 2009 **Member**, Subgroup: Technology Development, United Kingdom.

Royal College of Physicians and Surgeons of Canada (RCPSC)

- 2016 - present **Examiner**, Examination Committee, Faculty of Medicine, Ontario, Canada.
Assessment and evaluation for the McLaughlin Centre.
- 2015 - present **Examiner**, Royal College Examination Committee, Faculty of Medicine, Department of Surgery, Toronto, Ontario, Canada.

Gelareh ZADEH

Examination in neurosurgery.

2008 **Course Organizer**, Neurosurgery Lecture Series, United Kingdom.
Two day course for residents from PGY1-PGY10 levels (ST1-8 UK levels) in neuro-oncology (April 2/3 -2008)

National Hospital for Neurology and Neurosurgery

2006 - 2009 **Lead Clinician**, Metastatic Brain Tumour Program
Weekly dedicated multidisciplinary clinics focusing on management of patients with metastatic brain tumour.

2006 - 2009 **Lead Clinician**, Functional Brain Tumour Surgery
Multidisciplinary team for management of patients with eloquent cortex tumour, including neuro-radiology and functional MRI physicist and intra-operative cortical mapping.

Society for Neuro-Oncology (SNO)

2016 - present **Reviewer**, Poster Awards Committee, Faculty of Medicine, Neuro-Oncology, Multilevel Education, Scottsdale, Arizona, United States.
Reviewing of poster for the 2016 SNO Annual Meeting at Arizona.

2015 - 2016 **Scientific Meeting Chair**, Society for Neuro-oncology (SNO)

2015 - 2017 **Chair, Award Committee**, Society for Neuro-oncology (SNO)

2015 **Scientific Co-Chair of the SCIDOT joint conference with SNO**, Society for Neuro-oncology (SNO)

2015 - present **Executive** of Guidelines Committee

2013 - present **Member**, Strategic Planning Committee

2013 - present **Member**, Co-Chair, Scientific Program for 2014 and 2015 annual meeting

2013 - present **Member**, International Outreach Representative

The Terry Fox Research Institute (TFRI)

2016 - present **Member**, Poster and Abstract Committee, Canada.
7th Annual Scientific Meeting at Vancouver, BC, May 12-13.

2016 - present **Member**, Scientific Committee, - TFRI ASM
Terry Fox meeting at Vancouver May 12-13, 2016.

2016 **Chair**, Organizing Committee for Rapid-Fire Abstract – TFRI, ASM
Rapid Fire Session at Terry Fox May 12.

World Federation of Neurological Surgeons (WFNS)

2016 - present **Course Organizer**, WFNS Neuro-Oncology Committee, Multilevel Education, Chile.
Chilean Neurosurgery Society and local organizer Dr. David Rojas: Update on Management of Brain Tumors.

2016 - present **Organizer**, WFNS Neuro-Oncology Committee together with the Chilean Neurosurgery Society, Chile.
course organizer for WFNS Neuro-oncology Committee, together with the Chilean Neurosurgery Society and local course organizer Dr David Rojas: Update on Management of Brain Tumors, Oct 6-8, 2016 course organizer for WFNS Neuro-oncology Committee, together with the Chilean Neurosurgery Society and local course organizer Dr David Rojas: Update on Management of Brain Tumors, Oct 6-8, 2016.

2013 - present **Chair**, Neuro-oncology Committee

2010 - 2015 **International Neuro-oncology Course Educator**, Neuro-oncology Committee

2010 - 2013 **Executive Member**, Neuro-oncology Committee
Chair: Dr Manfred Westphal.

The University of Manitoba

1998 - 1999 **Neurosurgery Resident Representative**, Resident Association, Winnipeg, Manitoba, Canada.

University Health Network

- 2015 - present **Medical Director**, Physician Assistant and Advanced Nurse Practitioner, Neuro-Oncology Committee, Toronto, Ontario, Canada.
For Physician Assistant and Advanced Nurse Practitioner, Neuro-Oncology.
- 2015 - present **Co-Director**, Elizabeth Raab Neurofibromatosis Program, Toronto, Ontario, Canada.
Elizabeth Raab Neurofibromatosis Program. Together with Dr. Vera Bril we formally announced the opening of the clinic on November 25 at UHN. Our multidisciplinary team is dedicated to comprehensive care for patients with NF1 and NF2. The clinic has over fifteen affiliated physicians and allied health members. The mission is dedicated to improving clinical care and translational research for the NF population.
- 2013 - present **Co-Chair**, City-Wide Brain Tumour Biobank, Toronto, Manitoba, Canada.
- 2010 - present **Executive Member**, Clinical Care Committee, Krembil Neuroscience Program
- 2009 - present **Executive**, UHN Biobanking Steering Committee, Faculty of Medicine, Department of Surgery, Neurosurgery, Multilevel Education, Toronto, Manitoba, Canada.
- 2009 - present **Executive**, UHN Neurosurgery Associates Finance Committee, Toronto, Ontario, Canada.
- 2009 - present **Executive**, UHN Biobanking Steering Committee, Toronto, Ontario, Canada.
Faculty of Medicine, Department of Surgery, Neurosurgery, Multilevel Education, Toronto.
- 2008 - present **Chair**, Biobanking CNS Site Group
- 2008 - present **Chair and Facilitator**, Neuro-oncology Tumour Board
- *CNS Site Lead: Dr Norm Laperriere*
- *Weekly University Health Network Brain and Spine Oncology*
- *MCC/CCO Approved*
- *CME accredited.*
- 2008 - present **Chair and Facilitator**, Pituitary Tumour Board
- *Endocrine Tumour Site Lead: Dr Shereen Ezzat*
- *City Wide Pituitary Tumour Board*
- *MCC/CCO Approved*
- *CME accredited.*

University of Toronto

- 2015 - present **Director**, UofT Meningioma Consortium - COMIT, Toronto, Ontario, Canada.
COMIT presented the inaugural consortium on meningiomas meeting and have put together a twelve member team consisting of members from across the city in neurosurgery, radiation oncology, oncology, neuroradiology, neuropathology and neuropsychology. The first COMIT sponsored scientific meeting is to be held jointly with SNO June 17-19, 2016 in Toronto.
- 2014 - present **Co-Director**, City-Wide Brain Tumour Bank, Toronto, Ontario, Canada.
- 2014 - present **Director**, Academic Affairs, Division of Neurosurgery, Toronto, Ontario, Canada.
- 2014 - present **Member**, Department of Surgery Research Committee, Toronto, Ontario, Canada.

Peer Review Activities

ASSOCIATE OR SECTION EDITING

Editor

- 2013 Oct - present Editor, Neuro-Oncology

Invited Editor

- 2014 Dec - present Neurosurgery Focus

EDITORIAL BOARDS

Editor

2015 Oct - present	Cancer - Interdisciplinary International journal of the American Cancer Society
2014 - present	Neuro-Oncology
2014 - present	PLoS One
2013 - present	Neurosurgery
2012 - present	Journal of Radiosurgery & SBRT (Stereotactic Body Radiation Therapy)

GRANT REVIEWS

External Grant Reviewer

2016 - present	Canadian Cancer Society Research Institute, CCSRI Innovation and Impact Grant Panel
2015 Jul - present	Crothers OSOTF Awards, Research Awards, Faculty of Medicine
2013 - present	CIHR Cancer Biology and Therapeutics Review Panel, Number of Reviews: 3
2007 - present	Samantha Dickson Brain Tumor Trust, Number of Reviews: 5
2016 - 2017	MSH UHN AMO Innovation Fund Review Panel, Innovation fund competition
2013	McCullouch Grant, Number of Reviews: 11

MANUSCRIPT REVIEWS

Member

2015 - present	Cancer - Interdisciplinary International journal of the American Cancer Society
----------------	---

Reviewer

2008 - present	Neuro-Oncology, Journal of Neuro-oncology
----------------	---

Ad-Hoc Reviewer

2015 - present	American Cancer Society, Cancer - Interdisciplinary International journal
2012 - present	Journal of Radiosurgery & SBRT (Stereotactic Body Radiation Therapy)
2012 - present	PLOS One
2011 - present	BMC Cancer
2004 - present	British Journal of Cancer
2004 - present	British Journal of Neurosurgery
2004 - present	Child's Nervous System
2004 - present	International Journal of Radiation Oncology, Biology, Physics
2004 - present	Journal of Neurosurgery
2004 - present	Neoplasia
2004 - present	Neuro-Oncology
2004 - present	Neurosurgery

Member of the Editorial Advisory Board

2015	Cancer - Interdisciplinary International journal of the American Cancer Society, CANCER Editorial Advisory Board
------	--

PRESENTATION REVIEWS

Reviewer

2010 - present	Society of Neuro-oncology
2009 - present	Society of Neuro-Oncology (SNO), Leksell Gamma Knife Society

Gelareh ZADEH

- 2009 - present University of Toronto, Gallie Day - Annual Department of Surgery Scientific Day - reviewer for abstracts, papers and oral presentations.
- 2009 - present University of Toronto, Scientific Days, Keith and Botterel, Annual Division of Neurosurgery - reviewer for abstracts, papers and oral presentations.
- 2012 International Conference on Brain Tumor Research and Therapy (Asilomar Meeting)

CLINICAL REVIEWER

Reviewer

2015 Jul - 2018 Jul Cancer Care Ontario

PROGRAM REVIEWER

Reviewer

2015 Jul - present Cancer Care Ontario

SCIENTIFIC REVIEWER

Reviewer

2010 - present Canadian Neuroscience Federation - CNSF, For MacKenzie Prize

Other Research and Professional Activities

THESIS PROJECT

- 1999 - 2004 **PhD Thesis.** Role of Angiopoietins in Astrocytoma Angiogenesis. University of Toronto, Canada. Supervisor(s): Dr. A. Guha.
Focusing on identifying the functional role of a endothelial specific pathway, Angiopoietins and their receptor Tie2 in vascular growth of Astrocytomas.
- 1993 - 1994 **BSc (Med.) Candidate.** Role of Dopamine in Diabetic Nephropathy. The University of Manitoba, Canada. Supervisor(s): Dr. P.K. Ganguly.

CLINICAL PRACTICE FOCUS AND SUBSPECIALIZATION

2006 - 2008 **Consultant Neurosurgeon.** Neuro-oncology Neurosurgery. University College London Hospitals, National Hospital for Neurology and Neurosurgery.
*Neuro-oncology Practice, Lead in Neuro-oncology Clinical Program Development
Intra-axial Tumours: Surgery for Malignant and Benign Brain Metastases: Multi-disciplinary Clinical Management, Gamma Knife Radiosurgery
Functional Brain Tumour Surgery; Awake Craniotomy; Cortical mapping
Intra-operative Image Guided Surgery
Neurofibromatosis.*

REVIEWER, CROTHERS OSOTF AWARDS

2015 Jul - present **Reviewer.** University of Toronto.

PEER-REVIEWED PUBLICATIONS (Most recent publications)

Journal Articles

1. Fernandez-Gajardo R, Almeida JP, Suppiah S, Witterick I, **Zadeh G**; Ethmoid Meningoencephalocele in A Patient with Cerebrofacial Arteriovenous metamerism syndrome: A Case Report; World Neurosurg. 2018 Mar 3. pii: S1878-8750(18)30406-6. doi: 10.1016/j.wneu.2018.02.133. [Epub ahead of print]. **Senior Responsible Author.**
2. Almeida JP, Suppiah S, Karekezi C, Marigil-Sanchez M, Wong JS, Vescan A, Gentili F, **Zadeh G**. Extended Endoscopic Approach for Resection of Craniopharyngiomas. J Neurol Surg B Skull Base. 2018 Feb;79(2):S201-S202. doi: 10.1055/s-0037-1620244; (Trainee Publication). **Senior Responsible Author.**

3. Doglietto F, Qiu J, Ravichandiran M, Radovanovic I, Belotti F, Agur A, **Zadeh G**, Fontanella MM, Kucharczyk W, Gentili F. Quantitative comparison of cranial approaches in the anatomy laboratory: A neuronavigation based research method. *World J Methodol.* 2017 Dec 26;7(4):139-147. doi: 10.5662/wjm.v7.i4.139. eCollection 2017 Dec 26. (Trainee Publication) **Coauthor or Collaborator**
4. Nikolaev SI, Vetiska S, Bonilla X, Boudreau E, Jauhiainen S, Rezai Jahromi B, Khyzha N, DiStefano PV, Suutarinen S, Kiehl TR, Mendes Pereira V, Herman AM, Krings T, Andrade-Barazarte H, Tung T, Valiante T, **Zadeh G**, Tymianski M, Rauramaa T, Ylä-Herttua S, Wythe JD, Antonarakis SE, Frösen J, Fish JE, Radovanovic. Somatic Activating KRAS Mutations in Arteriovenous Malformations of the Brain. *N Engl J Med.* 2018 Jan 18;378(3):250-261. doi: 10.1056/NEJMoa1709449. **Coauthor or Collaborator.**
5. Moraes FY, Lo A, Morgan ER, Millar BA, Shultz DB, Maurice C, Harlos C, Kongkham P, Bernstein M, **Zadeh G**, Laperriere N, Mason W, Berlin A. Management and Outcomes in the Oldest-Old Population with Glioblastoma. *Can J Neurol Sci.* 2018 March 45(2); 199-205. doi: 10.1017/cjn.2017.278. (Trainee Publication) **Coauthor or Collaborator.**
6. Bunda S, **Zadeh G**, Aldape KD; Glut3 Addiction: A Druggable Vulnerability in Glioblastoma; *Cancer Cell.* 2017 Dec 11;32(6):726-727. (Trainee Publication) **Coauthor or Collaborator.**
7. Nassiri F, **Zadeh G**, Aldape K; IDH mutation testing in gliomas-where do we draw the line?; *Neuro Oncol.* 2017 Nov 29;19(12):1568-1569. (Trainee Publication) **Coauthor or Collaborator.**
8. Fu TS, Monteiro E, Witterick I, Vescan A, **Zadeh G**, Gentili F, de Almeida JR; Costs and Perioperative Outcomes Associated with Open versus Endoscopic Resection of Sinonasal Malignancies with Skull Base Involvement. *J Neurol Surg B Skull Base.* 2017 Oct;78(5):430-440. doi: 10.1055/s-0037-1603907. (Trainee Publication) **Coauthor or Collaborator.**
9. Mamatjan Y, Agnihotri S, Goldenberg A, Tonge P, Mansouri S, **Zadeh G**, Aldape K; Molecular Signatures for Tumor Classification: An Analysis of The Cancer Genome Atlas Data.; *J Mol Diagn.* 2017 Nov;19(6):881-891. doi: 10.1016/j.jmoldx.2017.07.008. (Trainee Publication) **Coauthor or Collaborator.**
10. Ayala-Peacock DN, Attia A, Braunstein SE, Ahluwalia MS, Hepel J, Chung C, Contessa J, McTyre E, Peiffer AM, Lucas JT Jr, Isom S, Pajewski NM, Kotecha R, Stavvas MJ, Page BR, Kleinberg L, Shen C, Taylor RB, Onyeuku NE, Hyde AT, Gorovets D, Chao ST, Corso C, Ruiz J, Watabe K, Tatter SB, **Zadeh G**, Chiang VLS, Fiveash JB, Chan MD; Prediction of new brain metastases after radiosurgery: validation and analysis of performance of a multi-institutional nomogram; *J Neurooncol.* 2017 Nov;135(2):403-411. doi: 10.1007/s11060-017-2588-4. (Trainee Publication) **Coauthor or Collaborator.**
11. Agnihotri S, Suppiah S, Tonge PD, Jalali S, Danesh A, Bruce JP, Mamatjan Y, Klironomos G, Gonen L, Au K, Mansouri S, Karimi S, Sahm F, von Deimling A, Taylor MD, Laperriere NJ, Pugh TJ, Aldape KD, **Zadeh G**. Therapeutic radiation for childhood cancer drives structural aberrations of NF2 in meningiomas; *Nat Commun.* 2017 Aug 4;8(1):186. doi: 10.1038/s41467-017-00174-7. **Senior Responsible Author.**
12. Tsermoulas G, Turel MK, Wilcox JT, Shultz D, Farb R, **Zadeh G**, Bernstein M. Management of multiple meningiomas. *J Neurosurg.* 2017 Jul 21:1-7. doi: 10.3171/2017.2.JNS162608. (Trainee Publication) **Coauthor or Collaborator.**
13. Yao CM, Kahane A, Monteiro E, Gentili F, **Zadeh G**, de Almeida JR. Preferences and Utilities for Health States after Treatment of Olfactory Groove Meningioma: Endoscopic versus Open. *J Neurol Surg B Skull Base.* 2017 Aug;78(4):315-323. doi: 10.1055/s-0037-1598197. (Trainee Publication) **Coauthor or Collaborator.**
14. Guha D, Davidson B, Nadi M, Alotaibi NM, Fehlings MG, Gentili F, Valiante TA, Tator CH, Tymianski M, Guha A, **Zadeh G**. Management of peripheral nerve sheath tumors: 17 years of experience at Toronto Western Hospital. *J Neurosurg.* 2017 Jul 7:1-9. doi: 10.3171/2017.1.JNS162292. [Epub ahead of print]. (Trainee Publication) **Senior Responsible Author**
15. Galldiks N, Albert NL, Sommerauer M, Grosu AL, Ganswindt U, Law I, Preusser M, Le Rhun E, Vogelbaum MA, **Zadeh G**, Dhermain F, Weller M, Langen KJ, Tonn JC. PET Imaging in Patients with Meningioma - Report of the RANO/PET Group. *Neuro Oncol.* 2017 Jun 12. doi: 10.1093/neuonc/nox112.

[Epub ahead of print]. (Trainee Publication) **Coauthor or Collaborator.**

16. Hachem LD, Mansouri A, Juraschka K, Taslimi S, Pirouzman F, **Zadeh G**. Citation classics in neuro-oncology: assessment of historical trends and scientific progress. *Neuro Oncol.* 2017 Sep 1;19(9):1158-1172. doi: 10.1093/neuonc/nox053. (Trainee Publication) **Senior Responsible Author.**
17. Karimi S, Vyas MV, Gonen L, Tabasinejad R, Ostrom Q, Barnholtz-Sloan J, Suppiah S, **Zadeh G**, Aldape K. Prognostic significance of preoperative neutrophilia on recurrence-free survival in meningioma. *Neuro Oncol.* 2017 Oct 19;19(11):1503-1510. doi: 10.1093/neuonc/nox089. (Trainee Publication) **Coauthor or Collaborator.**
18. Sahn F, Toprak UH, Hübschmann D, Kleinheinz K, Buchhalter I, Sill M, Stichel D, Schick M, Bewerunge-Hudler M, Schrimpf D, **Zadeh G**, Aldape K, Herold-Mende C, Beck K, Staszewski O, Prinz M, Harosh CB, Eils R, Sturm D, Jones DTW, Pfister SM, Paulus W, Ram Z, Schlesner M, Grossman R, von Deimling A. Meningiomas induced by low-dose radiation carry structural variants of NF2 and a distinct mutational signature. *Acta Neuropathol.* 2017 Jul;134(1):155-158. doi: 10.1007/s00401-017-1715-9. No abstract available. **Coauthor or Collaborator.**
19. Jenkinson MD, Santarius T, **Zadeh G**, Aldape KD. Atypical meningioma-is it time to standardize surgical sampling techniques? *Neuro Oncol.* 2017 Mar 1;19(3):453-454. doi: 10.1093/neuonc/now245. No abstract available. **Coauthor or Collaborator.**
20. Murray L, Menard C, **Zadeh G**, Au K, Bernstein M, Millar BA, Laperriere N, Chung C. Radiosurgery for brainstem metastases with and without whole brain radiotherapy: clinical series and literature review. *J Radiat Oncol.* 2017 Mar;6(1):21-30 (Trainee publication). **Coauthor or Collaborator.**
21. Voisin MR, Sasikumar S, Russell JH, **Zadeh G**. One and a half syndrome following penetrating head injury: Case report. *J Clin Neurosci.* 2017 Jul;41:88-90. doi: 10.1016/j.jocn.2017.03.008 (Trainee publication). **Senior Responsible Author.**
22. Gupta A, Anjomani-Virmouni S, Koundouros N, Dimitriadi M, Choo-Wing R, Valle A, Zheng Y, Chiu YH, Agnihotri S, **Zadeh G**, Asara JM, Anastasiou D, Arends MJ, Cantley LC, Pouligiannis G. PARK2 Depletion Connects Energy and Oxidative Stress to PI3K/Akt Activation via PTEN S-Nitrosylation. *Mol Cell.* 2017 Mar;65(6):999-1013 (Trainee publication). **Coauthor or Collaborator.**
23. Olar A, Wani KM, Wilson CD, **Zadeh G**, DeMonte F, Jones DT, Pfister SM, Sulman EP, Aldape KD. Global epigenetic profiling identifies methylation subgroups associated with recurrence-free survival in meningioma. *Acta Neuropathol.* 2017 Mar;133(3):431-444. **Coauthor or Collaborator.**
24. Hycza MD, Winer DA, Shago M, Au K, **Zadeh G**, Asa SL, Mete O. TFE3-Expressing Perivascular Epithelioid Cell Neoplasm (PEComa) of the Sella Turcica. *Endocr Pathol.* 2017 Mar;28(1):22-26 (Trainee publication). **Coauthor or Collaborator.**
25. Au K, Ram Z, **Zadeh G**, Aldape K, Balogun J, Barani I, DiMeco F, Goel A, Khu K, Lang FF, Lund-Johansen M, Maldaun M, Tabatabai G, Tonn JC, Westphal M. Proceedings of the WFNS Neuro-Oncology Committee Workshop Rome 2015. *Surg Neurol In.* 2016 Dec;7(suppl 40):S963-S975 (Trainee publication). **Coauthor or Collaborator.**
26. Mansouri A, Witiw CD, Badhiwala JH, Nassiri F, McDonald PJ, Kulkarni AV, **Zadeh G**, Kondziolka D. National Perspectives on the Training of Neurosurgery Residents in Stereotactic Radiosurgery. *Can J Neurol Sci.* 2017 Jan;44(1):51-58 (Trainee publication). **Coauthor or Collaborator.**
27. Turel MK, Tsermoulas G, Gonen L, Klironomos G, Almeida JP, **Zadeh G**, Gentili F. Management and outcome of recurrent adult craniopharyngiomas: an analysis of 42 cases with long-term follow-up. *Neurosurg Focus.* 2016 Dec;41(6):E11. **Coauthor or Collaborator.**
28. Turel MK, Tsermoulas G, Reddy D, Andrade-Barazarte H, **Zadeh G**, Gentili F. Endonasal endoscopic transsphenoidal excision of tuberculum sellae meningiomas: a systematic review. *J Neurosurg Sci.* 2016 Dec;60(4):463-75. **Coauthor or Collaborator.**
29. Vartanian A, Agnihotri S, Wilson MR, Burrell KE, Tonge PD, Alamsahebpoor A, Jalali S, Taccone MS, Mansouri S, Golbourn B, Aldape KD, **Zadeh G**. Targeting hexokinase 2 enhances response to radio-

- chemotherapy in glioblastoma. *Oncotarget*. 2016 Oct;7(43):69518-69535 (Trainee publication). **Senior Responsible Author.**
30. Agnihotri S, Jalali S, Wilson MR, Danesh A, Li M, Klironomos G, Krieger JR, Mansouri A, Khan O, Mamatjan Y, Landon-Brace N, Tung T, Dowar M, Li T, Bruce JP, Burrell KE, Tonge PD, Alamsahebpoor A, Krischek B, Agarwalla PK, Bi WL, Dunn IF, Beroukhim R, Fehlings MG, Bril V, Pagnotta SM, Iavarone A, Pugh TJ, Aldape KD, **Zadeh G**. The genomic landscape of schwannoma. *Nature Genetics*. 2016 Nov;48(11):1339-1348. (Trainee Publication) **Senior Responsible Author.**
 31. Aldape K, Nejad R, Louis DN, **Zadeh G**. Integrating molecular markers into the World Health Organization classification of CNS tumors: a survey of the neuro-oncology community. *Neuro Oncol*. 2017 Mar 1;19(3):336-344. doi: 10.1093/neuonc/now181. **Senior Responsible Author.**
 32. Larjani S, Monteiro E, Witterick I, Vescan A, **Zadeh G**, Gentili F, Goldstein DP, de Almeida JR. Preliminary cross-sectional reliability and validity of the Skull Base Inventory (SBI) quality of life questionnaire. *J Otolaryngol Head Neck Surg*. 2016 Sep;45(1):45 (Trainee publication). **Coauthor or Collaborator.**
 33. Li W, Cho YB, Ansell S, Laperriere N, Ménard C, Millar BA, **Zadeh G**, Kongkham P, Bernstein M, Jaffray DA, Chung C. The Use of Cone Beam Computed Tomography for Image Guided Gamma Knife Stereotactic Radiosurgery: Initial Clinical Evaluation. *Int J Radiat Oncol Biol Phys*. 2016 Sep;96(1):214-20 (Trainee publication). **Senior Responsible Author.**
 34. Mansouri S, Singh S, Alamsahebpoor A, Burrell K, Li M, Karabork M, Ekinci C, Koch E, Solaroglu I, Chang JT, Wouters B, Aldape K, **Zadeh G**. DICER governs characteristics of glioma stem cells and the resulting tumors in xenograft mouse models of glioblastoma. *Oncotarget*. 2016 Aug 30;7(35):56431-56446. doi: 10.18632/oncotarget.10570. (Trainee publication). **Senior Responsible Author.**
 35. Agnihotri S, Golbourn B, Huang X, Remke M, Younger S, Cairns RA, Chalil A, Smith CA, Krumholtz SL, MacKenzie D, Rakopoulos P, Ramaswamy V, Taccone MS, Mischel PS, Fuller GN, Hawkins C, Stanford WL, Taylor MD, **Zadeh G**, Rutka JT. PINK1 is a Negative Regulator of Growth and the Warburg Effect in Glioblastoma. *Cancer Res*. 2016 Aug;76(16):4708-19 (Trainee publication). **Coauthor or Collaborator.**
 36. Turel MK, Tsermoulas G, Yassin-Kassab A, Reddy D, Andrade-Barazarte H, Gonen L, **Zadeh G**, Gentili F. Endonasal endoscopic transsphenoidal excision of tuberculum sellae meningiomas: a systematic review *J Neurosurg Sci*. 2016 Dec;60(4):463-75. Epub 2016 Jun 9. Review. **Coauthor or Collaborator.**
 37. Jalali S, Monsalves E, Tateno T, **Zadeh G**. Role of mTOR Inhibitors in Growth Hormone-Producing Pituitary Adenomas Harboring Different FGFR4 Genotypes. *Endocrinology*. 2016 Sep;157(9):3577-87 (Trainee publication). **Senior Responsible Author.**
 38. Mansouri A, Mansouri S, Hachem LD, Klironomos G, Vogelbaum MA, Bernstein M, **Zadeh G**. The role of 5-aminolevulinic acid in enhancing surgery for high-grade glioma, its current boundaries, and future perspectives: A systematic review. *Cancer*. 2016 Aug;122(16):2469-78 (Trainee publication). **Senior Responsible Author.**
 39. Mansouri A, Klironomos G, Taslimi S, Kilian A, Gentili F, Khan OH, Aldape K, **Zadeh G**. Surgically resected skull base meningiomas demonstrate a divergent postoperative recurrence pattern compared with non-skull base meningiomas. *J Neurosurg*. 2016 Aug;125(2):431-40 (Trainee publication). **Senior Responsible Author.**
 40. Doglietto F, Radovanovic I, Ravichandiran M, Agur A, **Zadeh G**, Qiu J, Kucharczyk W, Fernandez E, Fontanella MM, Gentili F. Quantification and comparison of neurosurgical approaches in the preclinical setting: literature review. *Neurosurg Rev*. 2016 Jul;39(3):357-68 (Trainee publication). **Coauthor or Collaborator.**
 41. Mansouri S, Nejad R, Karabork M, Ekinci C, Solaroglu I, Aldape KD, **Zadeh G**. Sox2: regulation of expression and contribution to brain tumors. *CNS Onco*. 2016 Jul;5(3):159-73 (Trainee publication). **Senior Responsible Author.**
 42. Jalali S, Monsalves E, Tateno T, **Zadeh G**. Role of mTOR Inhibitors in Growth Hormone-Producing Pituitary Adenomas Harboring Different FGFR4 Genotypes. *Endocrinology*. 2016 Jun;Epub ahead of print (Trainee publication). **Senior Responsible Author.**

43. **Zadeh G**, Karimi S, Aldape KD. PIK3CA mutations in meningioma. *Neuro Oncol*. 2016 May;18(5):603-4. **Principal Author.**
44. Mete O, Gomez-Hernandez K, Kucharczyk W, Ridout R, **Zadeh G**, Gentili F, Ezzat S, Asa SL. Silent subtype 3 pituitary adenomas are not always silent and represent poorly differentiated monomorphous plurihormonal Pit-1 lineage adenomas. *Mod Pathol*. 2016 Feb;29(2):131-42 (Trainee publication). **Coauthor or Collaborator.**
45. Agnihotri S, **Zadeh G**. Metabolic reprogramming in glioblastoma: The influence of cancer metabolism on epigenetics and unanswered questions. *Neuro Oncol*. 2016 Feb;18(2):160-72 (Trainee publication). **Senior Responsible Author.**
46. Khan OH, Mason W, Kongkham PN, Bernstein M, **Zadeh G**. Neurosurgical management of adult diffuse low grade gliomas in Canada: a multi-center survey. *J Neurooncol*. 2016 Jan;126(1):137-49 (Trainee publication). **Senior Responsible Author.**
47. Bunda S, Burrell K, Heir P, Zeng L, Alamsahebpour A, Kano Y, Raught B, Zhang ZY, **Zadeh G**, Ohh M. Inhibition of SHP2-mediated dephosphorylation of Ras suppresses oncogenesis. *Nat Commun*. 2015 Nov;Epub ahead of print (Trainee publication). **Coauthor or Collaborator.**
48. Mansouri S, **Zadeh G**. Neddylation in glioblastomas. *Neuro Oncol*. 2015 Oct;17(10):1305-6. doi: 10.1093/neuonc/nov165 (Trainee publication). **Senior Responsible Author.**
49. Abhinav K, Yeh FC, Mansouri A, **Zadeh G**, Fernandez-Miranda JC. High-definition fiber tractography for the evaluation of perilesional white matter tracts in high-grade glioma surgery. *Neuro Oncol*. 2015 Sep;17(9):1199-209. Epub ahead of print (Trainee publication). **Coauthor or Collaborator.**
50. de Almeida JR, Carvalho F, Vaz Guimaraes Filho F, Kiehl TR, Koutourousiou M, Su S, Vescan AD, Witterick IJ, **Zadeh G**, Wang EW, Fernandez-Miranda JC, Gardner PA, Gentili F, Snyderman CH. Comparison of endoscopic endonasal and bifrontal craniotomy approaches for olfactory groove meningiomas: A matched pair analysis of outcomes and frontal lobe changes on MRI. *J Clin Neurosci*. 2015 Aug;22(11):1733-41. Epub ahead of print (Trainee publication). **Coauthor or Collaborator.**
51. Mack SC, Agnihotri S, Bertrand KC, Wang X, Shih DJ, Witt H, Hill N, Zayne K, Barszczyk M, Ramaswamy V, Remke M, Thompson Y, Ryzhova M, Massimi L, Grajkowska W, Lach B, Gupta N, Weiss WA, Guha A, Hawkins C, Croul S, Rutka JT, Pfister SM, Korshunov A, Pekmezci M, Tihan T, Philips JJ, Jabado N, **Zadeh G**, Taylor MD. Spinal Myxopapillary Ependymomas Demonstrate a Warburg Phenotype. *Clin Cancer Res*. 2015 Aug;21(16):3750-8 (Trainee publication). **Coauthor or Collaborator.**
52. Gonen L, Monteiro E, Klironomos G, Alghonaim Y, Vescan A, **Zadeh G**, Gentili F. Endoscopic Endonasal Repair of Spontaneous and Traumatic Cerebrospinal Fluid Rhinorrhea: A Review and Local Experience. *Neurosurg Clin N Am*. 2015 Jul;26(3):333-48 (Trainee publication). **Coauthor or Collaborator.**
53. Mansouri A, Larjani S, Klironomos G, Laperriere N, Cusimano M, Gentili F, Schwartz M, **Zadeh G**. Predictors of response to Gamma Knife radiosurgery for intracranial meningiomas. *J Neurosurg*. 2015 Jul;1-7. Epub ahead of print (Trainee publication). **Senior Responsible Author.**
54. Diaz RJ, Dios RR, Hattab EM, Burrell K, Rakopoulos P, Sabha N, Hawkins C, **Zadeh G**, Rutka JT, Cohen-Gadol AA. Study of the biodistribution of fluorescein in glioma-infiltrated mouse brain and histopathological correlation of intraoperative findings in high-grade gliomas resected under fluorescein fluorescence guidance. *J Neurosurg*. 2015 Jun;122(6):1360-9. Epub ahead of print-JNS132507 (Trainee publication). **Coauthor or Collaborator.**
55. Bharadwaj S, Venkatraghavan L, Mariappan R, Ebinu J, Meng Y, Khan O, Tung T, Reyhani S, Bernstein M, **Zadeh G**. Serum lactate as a potential biomarker of non-gliial brain tumors. *J Clin Neurosci*. 2015 Jun;S0967-5868(15):00239-8. Epub ahead of print (Trainee publication). **Senior Responsible Author.**
56. Aldape K, **Zadeh G**, Mansouri S, Reifenberger G, von Deimling A. Glioblastoma: pathology, molecular mechanisms and markers. *Acta Neuropathol*. 2015 Jun;129(6):829-48. **Coauthor or Collaborator.**
57. Winzeler B, Zweifel C, Nigro N, Arici B, Bally M, Schuetz P, Angela Blum C, Kelly C, Berkmann S, Huber A, Gentili F, **Zadeh G**, Landolt H, Mariani L, Müller B, Christ-Crain M. Postoperative copeptin concentration predicts diabetes insipidus after pituitary surgery. *J Clin Endocrinol Metab*. 2015 Jun;100(6):2275-82. Epub ahead of print - jc20144527 (Trainee publication). **Coauthor or Collaborator.**

58. Sahgal A, Chan MW, Atenafu EG, Masson-Cote L, Bahl G, Yu E, Millar BA, Chung C, Catton C, O'Sullivan B, Irish JC, Gilbert R, **Zadeh G**, Cusimano M, Gentili F, Laperriere NJB. Image-guided intensity modulated radiation therapy (IG-IMRT) for skull base chordoma and chondrosarcoma: preliminary outcomes. *Neuro Oncol*. 2015 Jun;17(6):889-94 (Trainee publication). **Coauthor or Collaborator**.
59. Mansouri A, Guha D, Klironomos G, Larjani S, **Zadeh G**, Kondziolka D. Stereotactic radiosurgery for intracranial meningiomas: current concepts and future perspectives. *Neurosurgery*. 2015 Apr;76(4):362-71. Epub ahead of print (Trainee publication). **Coauthor or Collaborator**.
60. Balogun JA, Monsalves E, Juraschka K, Parvez K, Kucharczyk W, Mete O, Gentili F, **Zadeh G**. Null cell adenomas of the pituitary gland: an institutional review of their clinical imaging and behavioral characteristics. *Endocr Pathol*. 2015 Mar;26(1):63-70. Epub ahead of print (Trainee publication). **Senior Responsible Author**.
61. Au K, Singh SK, Burrell K, Sabha N, Hawkins C, Huang A, **Zadeh G**. A preclinical study demonstrating the efficacy of nilotinib in inhibiting the growth of pediatric high-grade glioma. *J Neurooncol*. 2015 Mar. Epub ahead of print (Trainee publication). **Senior Responsible Author**.
62. Jalali S, Singh S, Agnihotri S, Wataya T, Salehi F, Alkins R, Burrell K, Navab R, Croul S, Aldape K, **Zadeh G**. A role for matrix remodelling proteins in invasive and malignant meningiomas. *Neuropathol Appl Neurobiol*. 2015 Feb;41(2):e16-28. Epub ahead of print (Trainee publication). **Senior Responsible Author**.
63. Haerle SK, Daly MJ, Chan H, Vescan A, Witterick I, Gentili F, **Zadeh G**, Kucharczyk W, Irish JC. Localized Intraoperative Virtual Endoscopy (LIVE) for Surgical Guidance in 16 Skull Base Patients. *Otolaryngol Head Neck Surg*. 2015 Jan;152(1):165-71. Epub ahead of print (Trainee publication). **Coauthor or Collaborator**.
64. Mariappan R, Venkatraghavan L, Vertanian A, Agnihotri S, Cynthia S, Reyhani S, Tung T, Khan OH, **Zadeh G**. Serum lactate as a potential biomarker of malignancy in primary adult brain tumours. *J Clin Neurosci*. 2015 Jan;22(1):144-8. Epub ahead of print (Trainee publication). **Senior Responsible Author**.
65. Agnihotri S, Gugel I, Remke M, Bornemann A, Pantazis G, Mack SC, Shih D, Singh SK, Sabha N, Taylor MD, Tatagiba M, **Zadeh G**, Krischek B. Gene-expression profiling elucidates molecular signaling networks that can be therapeutically targeted in vestibular schwannoma. *J Neurosurg*. 2014 Dec;121(6):1434-45. Epub ahead of print (Trainee publication). **Coauthor or Collaborator**.
66. **Zadeh G**, Agnihotri S, Gugel I, Remke M, Bornemann A, Pantazis G, Mack SC, Shih D, Singh SK, Sabha N, Taylor MD, Tatagiba M, Krischek B. Response. *J Neurosurg*. 2014 Dec;121(6):1433. **Principal Author**.
67. Krischek B, Carvalho FG, Godoy BL, Kiehl R, **Zadeh G**, Gentili F. From craniofacial resection to endonasal endoscopic removal of malignant tumors of the anterior skull base. *World Neurosurg*. 2014 Dec;82(6 Suppl):S59-65. **Coauthor or Collaborator**.
68. Berger MS, Bruce JN, Chen TC, **Zadeh G**. Introduction: Glioblastoma: an update on pathophysiology and management strategies. *Neurosurg Focus*. 2014 Dec;37(6). Epub ahead of print (Trainee publication). **Senior Responsible Author**.
69. Agnihotri S, Aldape KD, **Zadeh G**. Isocitrate dehydrogenase status and molecular subclasses of glioma and glioblastoma. *Neurosurg Focus*. 2014 Dec;37(6). Epub ahead of print (Trainee publication). **Senior Responsible Author**.
70. Larjani S, Monsalves E, Pebdani H, Krischek B, Gentili F, Cusimano M, Laperriere N, Hayhurst C, **Zadeh G**. Identifying predictors of early growth response and adverse radiation effects of vestibular schwannomas to radiosurgery. *PLoS One*. 2014 Oct;9(10). Epub ahead of print (Trainee publication). **Senior Responsible Author**.
71. Park JB, Agnihotri S, Golbourn B, Bertrand KC, Luck A, Sabha N, Smith CA, Byron S, **Zadeh G**, Croul S, Berens M, Rutka JT. Transcriptional profiling of GBM invasion genes identifies effective inhibitors of the LIM kinase-Cofilin pathway. *Oncotarget*. 2014 Oct;5(19):9382-95. Epub ahead of print (Trainee publication). **Coauthor or Collaborator**.

72. Agnihotri S, Burrell K, Buczkowicz P, Remke M, Golbourn B, Chornenkyy Y, Gajadhar A, Fernandez NA, Clarke ID, Barszczyk MS, Pajovic S, Ternamian C, Head R, Sabha N, Sobol RW, Taylor MD, Rutka JT, Jones C, Dirks PB, **Zadeh G**, Hawkins C. ATM regulates 3-methylpurine-DNA glycosylase and promotes therapeutic resistance to alkylating agents. *Cancer Discov.* 2014 Oct;4(10):1198-213. Epub ahead of print (Trainee publication). **Coauthor or Collaborator.**
73. Bunda S, Heir P, Srikumar T, Cook JD, Burrell K, Kano Y, Lee JE, **Zadeh G**, Raught B, Ohh M. Src promotes GTPase activity of Ras via tyrosine 32 phosphorylation. *Proc Natl Acad Sci U S A.* 2014 Sep;111(36):E3785-94. In Press (Trainee publication). **Coauthor or Collaborator.**
74. Vartanian A, Singh SK, Agnihotri S, Jalali S, Burrell K, Aldape KD, **Zadeh G**. GBM's multifaceted landscape: highlighting regional and microenvironmental heterogeneity. *Neuro Oncol.* 2014 Sep;16(9):1167-75. Mar 18. [Epub ahead of print]. **Senior Responsible Author.**
75. Monsalves E, Juraschka K, Tateno T, Agnihotri S, Ezzat S, **Zadeh G**. The PI3K/Akt/mTOR pathway in the pathophysiology and treatment of pituitary adenomas: review. *Endocrine-Related Cancer.* 2014 Aug;21(4):R331-44. In Press. **Senior Responsible Author.**
76. Rotman JA, Kucharczyk W, **Zadeh G**, Kiehl TR, Al-Ahmadi H. Spindle cell oncocytoma of the adenohypophysis: a case report illustrating its natural history with 8-year observation and a review of the literature. *Clin Imaging.* 2014 Aug;38(4):499-504. Jul-Aug;38(4):499-504. **Coauthor or Collaborator.**
77. **Zadeh G**, Aldape K. RESICstance is futile-but not in glioblastoma. *Cancer Cell.* 2014 Aug;26(2):156-7. **Principal Author.**
78. Olar A, Wani KM, Sulman EP, Mansouri A, **Zadeh G**, Wilson CD, DeMonte F, Fuller GN, Aldape KD. Mitotic Index is an Independent Predictor of Recurrence-Free Survival in Meningioma. *Brain Pathol.* 2014 Jul. Epub ahead of print (Trainee publication). **Coauthor or Collaborator.**
79. Parvez K, Parvez A, **Zadeh G**. The diagnosis and treatment of pseudoprogression, radiation necrosis and brain tumor recurrence. *Int J Mol Sci.* 2014 Jul;15(7). **Senior Responsible Author.**
80. Mansouri A, Badhiwala J, Mansouri S, **Zadeh G**. The evolving role of radiosurgery in the management of radiation-induced meningiomas: a review of current advances and future directions. *Biomed Res Int.* 2014 Jul. **Senior Responsible Author.**
81. Sabha N, Knobbe CB, Maganti M, Al Omar S, Bernstein M, Cairns R, Cako B, von Deimling A, Capper D, Mak TW, Kiehl TR, Carvalho P, Garrett E, Perry A, **Zadeh G**, Guha A, Croul S. Analysis of IDH mutation, 1p/19q deletion, and PTEN loss delineates prognosis in clinical low-grade diffuse gliomas. *Neuro-Oncology.* 2014 Jul. [Epub ahead of print]. **Coauthor or Collaborator.**
82. Juraschka K, Osaama H, Khan OH, Godoy BL, Monsalves E, Kilian A, Ghare A, Vescan A, Gentili F, and **Zadeh G**. Endoscopic endonasal transsphenoidal approach to large and giant pituitary adenomas: institutional experience and predictors of extent of resection. *Journal of Neurosurgery.* 2014 Jul. Epub ahead of print (Trainee publication). **Senior Responsible Author.**
83. Diaz RJ, McVeigh PZ, O'Reilly MA, Burrell K, Bebenek M, Smith C, Etame AB, **Zadeh G**, Hynynen K, Wilson BC, and Rutka JT. Focused ultrasound delivery of Raman nanoparticles across the blood-brain barrier: Potential for targeting experimental brain tumors. *Nanomedicine.* 2014 Jul. 2013 Epub ahead of print. **Coauthor or Collaborator.**
84. Jalali S, Chung C, Foltz W, Burrell K, Singh S, Hill R, and **Zadeh G**. MRI biomarkers identify the differential response of glioblastoma multiforme to anti-angiogenic therapy. *Neuro-Oncology.* 2014 Jun; in press. In Press (Trainee publication). **Senior Responsible Author.**
85. Khan OH, Kirschek B, Holliman D, Kilorinos G, Vescan A, Gentili F, and **Zadeh G**. Pure endoscopic expanded endonasal approach for olfactory groove and tuberculum sellae meningiomas. *Journal of Clinical Neuroscience.* 2014 Jun;21(6):927-33. Epub 2013 Nov 4. Review. (Trainee publication). **Senior Responsible Author.**
86. Burrell K, Singh S, Jalali S, Hill RP and **Zadeh G**. VEGF regulates region-specific localization of perivascular bone marrow-derived cells in Glioblastoma. *Cancer Research.* 2014 May. Epub ahead of print. **Senior Responsible Author.**

87. Monsalves E, Larjani S, Loyola Godoy B, Juraschka K, Carvalho F, Kucharczyk W, Kulkarni A, Mete O, Gentili F, Ezzat S, and **Zadeh G**. Growth patterns of pituitary adenomas and histopathological correlates. *J Clin Endocrinol Metab*. 2014 Apr. Epub ahead of print (Trainee publication). **Senior Responsible Author**.
88. McNamara MG, Lwin Z, Jiang H, Templeton AJ, **Zadeh G**, Bernstein M, Chung C, Millar BA, Laperriere N, Mason WP. Factors impacting survival following second surgery in patients with glioblastoma in the temozolomide treatment era, incorporating neutrophil/lymphocyte ratio and time to first progression. *J Neurooncol*. 2014 Mar;117(1):147-52. **Coauthor or Collaborator**.
89. Kool M, Jones DT, Jäger N, Northcott PA, Pugh TJ, Hovestadt V, Piro RM, Esparza LA, Markant SL, Remke M, Milde T, Bourdeaut F, Ryzhova M, Sturm D, Pfaff E, Stark S, Hutter S, Seker-Cin H, Johann P, Bender S, Schmidt C, Rausch T, Shih D, Reimand J, Sieber L, Wittmann A, Linke L, Witt H, Weber UD, Zapatka M, König R, Beroukhim R, Berghold G, van Sluis P, Volckmann R, Koster J, Versteeg R, Schmidt S, Wolf S, Lawrenz C, Bartholomae CC, von Kalle C, Unterberg A, Herold-Mende C, Hofer S, Kulozik AE, von Deimling A, Scheurlen W, Felsberg J, Reifenberger G, Hasselblatt M, Crawford JR, Grant GA, Jabado N, Perry A, Cowdrey C, Croul S, **Zadeh G**, Korbel JO, Doz F, Delattre O, Bader GD, McCabe MG, Collins VP, Kieran MW, Cho YJ, Pomeroy SL, Witt O, Brors B, Taylor MD, Schüller U, Korshunov A, Eils R, Wechsler-Reya RJ, Lichter P, Pfister SM; ICGC PedBrain Tumor Project. Genome sequencing of SHH medulloblastoma predicts genotype-related response to smoothed inhibition. *Cancer Cell*. 2014 Mar;25(3):393-405. Mar 17;25(3):393-405. **Coauthor or Collaborator**.
90. Kurtz G, **Zadeh G**, Gingras-Hill G, Millar BA, Laperriere NJ, Bernstein M, Jiang H, Ménard C, Chung C. Salvage radiosurgery for brain metastases: prognostic factors to consider in patient selection. *Int J Radiat Oncol Biol Phys*. 2014 Jan;88(1):137-42 (Trainee publication). **Coauthor or Collaborator**.
91. Jalali S, Wataya T, Burrell K, Croul S, **Zadeh G**. Regulatory role of MMP-16 in bone invading meningiomas. *Neuropathology and Applied Neurobiology*. 2014. In Press. **Senior Responsible Author**.
92. Kaul S, Khan OH, Edem I, Lwu S, Willinsky R, Vescan A, and **Zadeh G**. Transclival pseudomeningocele secondary to echordosis physaliphora: case report and literature review. *J Neurol Surg Rep*. 2013 Dec;74(2):92-5. **Senior Responsible Author**.
93. Krischek B, Vescan A, Zweifel C, **Zadeh G**, and Gentili F. Endonasal endoscopic release of a delayed tension pneumocephalus after craniofacial resection of a tumor of the anterior skull base. *J Neurol Surg A Cent Eur Neurosurg*. 2013 Dec;74(Suppl 1):e271-4. **Coauthor or Collaborator**.
94. Mete O, Al-Ahmadi H, Gentili F, Ezzat S, Asa SL and **Zadeh G**. The role of mediators of cell invasiveness, motility and migration in the pathogenesis of silent corticotroph adenomas. *Endocr Pathol*. 2013 Dec;24(4):191-8. **Senior Responsible Author**.
95. Munoz DM, Tung T, Agnihotri S, Sing S, Guha A, **Zadeh G*** and Hawkins C*. Loss of p53 cooperates with K-ras activation to induce glioma formation in a region-independent manner. *Glia*. 2013 Nov;61(11):1862-72 (Trainee publication). **Co-Senior Author**.
96. Phillips JJ, Aranda D, Ellison DW, Judkins AR, Croul SE, Brat DJ, Ligon KL, Horbinski C, Venneti S, **Zadeh G**, Santi M, Zhou S, Appin CL, Sioletic S, Sullivan LM, Martinez-Lage M, Robinson AE, Yong WH, Cloughesy T, Lai A, Phillips HS, Marshall R, Mueller S, Haas-Kogan DA, Molinaro AM and Perry A. PDGFRA amplification is common in pediatric and adult high-grade astrocytomas and identifies a poor prognostic group in IDH1 mutant glioblastoma. *Brain Pathol*. 2013 Sep. doi: 10.1111/bpa.12043. **Coauthor or Collaborator**.
97. Figley SA, Chen Y, Maeda A, Conroy L, McMullen JD, Silver JI, Stapleton S, Vitkin A, Lindsay P, Burrell K, **Zadeh G**, Fehlings MG and DaCosta RS. A spinal cord window chamber model for in vivo longitudinal multimodal optical and acoustic imaging in a murine model. *PLoS One*. 2013 Sep;8(3):e58081. doi: 10.1371/journal.pone.0058081. Epub 2013 Mar 14. **Coauthor or Collaborator**.
98. Hu Z, Godoy BL and **Zadeh G**. Spontaneous cerebrospinal fluid rhinorrhea secondary to anterior fossa osteoradionecrosis. *J Clin Neurosci*. 2013 Sep. pii: S0967-5868(13)00022-2. doi: 10.1016/j.jocn.2012.09.036. (Trainee publication). **Senior Responsible Author**.
99. Munoz DM, Singh S, Tung T, Agnihotri S, Nagy A, Guha A, **Zadeh G***, and Hawkins C*. Differential transformation capacity of neuro-glial progenitors during development. *Proceedings of the National Academy of Sciences*. 2013 Aug;110(35):14378-83 (Trainee publication). **Coauthor or Collaborator**.

100. Krischek B, Godoy BL, **Zadeh G** and Gentili F. From craniofacial resection to the endonasal endoscopic approach in skull base surgery. *World Neurosurg.* 2013 Jul. pii: S1878-8750(13)00205-2. doi: 10.1016/j.wneu.2013.01.106. **Coauthor or Collaborator.**
101. Desouza LV, Matta A, Karim Z, Mukherjee J, Wang XS, Krakovska O, **Zadeh G**, Guha A and Siu KM. Role of moesin in hyaluronan induced cell migration in glioblastoma multiforme. *Mol Cancer.* 2013 Jul;12(1):74. **Coauthor or Collaborator.**
102. Burrell K, Agnihotri S, Leung M, Dacosta R, Hill R and **Zadeh G**. A novel high-resolution in vivo imaging technique to study the dynamic response of intracranial structures to tumor growth and therapeutics. *J Vis Exp.* 2013 Jun(76). doi: 10.3791/50363. **Senior Responsible Author.**
103. Fontebasso AM, Schwartzenuber J, Khuong-Quang DA, Liu XY, Sturm D, Korshunov A, Jones DT, Witt H, Kool M, Albrecht S, Fleming A, Hadjadj D, Busche S, Lepage P, Montpetit A, Staffa A, Gerges N, Zakrzewska M, Zakrzewski K, Liberski PP, Hauser P, Garami M, Klekner A, Bogнар L, **Zadeh G**, Faury D, Pfister SM, Jabado N and Majewski J. Mutations in SETD2 and genes affecting histone H3K36 methylation target hemispheric high-grade gliomas. *Acta Neuropathol.* 2013 May;125(5):659-69. doi: 10.1007/s00401-013-1095-8. Epub 2013 Feb 16. **Coauthor or Collaborator.**
104. Castelo-Branco P, Choufani S, Mack S, Gallagher D, Zhang C, Lipman T, Zhukova N, Walker EJ, Martin D, Merino D, Wasserman JD, Elizabeth C, Alon N, Zhang L, Hovestadt V, Kool M, Jones DT, **Zadeh G**, Croul S, Hawkins C, Hitzler J, Wang JC, Baruchel S, Dirks PB, Malkin D, Pfister S, Taylor MD, Weksberg R and Tabori U. Methylation of the TERT promoter and risk stratification of childhood brain tumours: an integrative genomic and molecular study. *Lancet Oncol.* 2013 May;14(6):534-42. doi: 10.1016/S1470-2045(13)70110-4. Epub 2013 Apr 16. **Coauthor or Collaborator.**
105. Salehi F, Jalali S, Alkins R, Lee JI, Lwu S, Burrell K, Gentili F, Croul S and **Zadeh G**. Proteins involved in regulating bone invasion in skull base meningiomas. *Acta Neurochir (Wien).* 2013 Mar;155(3):421-7. doi: 10.1007/s00701-012-1577-9. Epub 2012 Dec 13. (Trainee publication). **Senior Responsible Author.**
106. Ebinu JO, Lwu S, Monsalves E, Arayee M, Chung C, Laperriere NJ, Kulkarni AV, Goetz P and **Zadeh G**. Gamma knife radiosurgery for the treatment of cystic cerebral metastases. *Int J Radiat Oncol Biol Phys.* 2013 Mar;85(3):667-71. doi: 10.1016/j.ijrobp.2012.06.043. Epub 2012 Aug 9. (Trainee publication). **Senior Responsible Author.**
107. Chung C, Jalali S, Foltz W, Burrell K, Wildgoose P, Lindsay P, Graves C, Camphausen K, Milosevic M, Jaffray D, **Zadeh G** and Menard C. Imaging biomarker dynamics in an intracranial murine glioma study of radiation and antiangiogenic therapy. *Int J Radiat Oncol Biol Phys.* 2013 Mar;85(3):805-12. doi: 10.1016/j.ijrobp.2012.07.005. Epub 2012 Aug 26. (Trainee publication). **Coauthor or Collaborator.**
108. Hodgson DC, Charpentier AM, Cigsar C, Atenafu EG, Ng A, Bahl G, **Zadeh G**, San Miguel J and Menard C. A multi-institutional study of factors influencing the use of stereotactic radiosurgery for brain metastases. *Int J Radiat Oncol Biol Phys.* 2013 Feb;85(2):335-40. doi: 10.1016/j.ijrobp.2012.05.002. Epub 2012 Jun 15. **Coauthor or Collaborator.**
109. Edem IJ, Banton B, Bernstein M, Lwu S, Vescan A, Gentili F and **Zadeh G**. A prospective qualitative study on patients' perceptions of endoscopic endonasal transsphenoidal surgery. *Br J Neurosurg.* 2013 Feb;27(1):50-5. doi: 10.3109/02688697.2012.711497. Epub 2012 Jul 31. **Senior Responsible Author.**
110. Walter T, **Zadeh G**, Hawryluk G and Krzyzanowska MK. Nocardia brain abscess in a patient treated with everolimus for a metastatic insulinoma. *J Clin Oncol.* 2013 Feb;31(6):e73-5. doi: 10.1200/JCO.2012.42.1982. Epub 2012 Nov 26. **Coauthor or Collaborator.**
111. Agnihotri S, Burrell KE, Wolf A, Jalali S, Hawkins C, Rutka JT and **Zadeh G**. Glioblastoma, a brief review of history, molecular genetics, animal models and novel therapeutic strategies. *Arch Immunol Ther Exp (Warsz).* 2013 Feb;61(1):25-41. doi: 10.1007/s00005-012-0203-0. Epub 2012 Dec 7. **Senior Responsible Author.**
112. Lwu S, Goetz P, Monsalves E, Aryaee M, Ebinu J, Laperriere N, Menard C, Chung C, Millar BA, Kulkarni AV, Bernstein M and **Zadeh G**. Stereotactic radiosurgery for the treatment of melanoma and renal cell carcinoma brain metastases. *Oncol Rep.* 2013 Feb;29(2):407-12. doi: 10.3892/or.2012.2139. Epub 2012 Nov 14. **Senior Responsible Author.**

113. Yip J, Macdonald KI, Lee J, Witterick IJ, **Zadeh G**, Gentili F and Vescan AD. The inferior turbinate flap in skull base reconstruction. *J Otolaryngol Head Neck Surg*. 2013 Jan;42(1):6. doi: 10.1186/1916-0216-42-6. **Coauthor or Collaborator**.
114. George J, Sabha N, Agnihotri S, Krischek B, Fehlings M, **Zadeh G**. Invasive spinal schwannomas; a unique tumor. *Journal of Neurosurgery*. 2013. In Press. **Senior Responsible Author**.
115. Liu XY, Gerges N, Korshunov A, Sabha N, Khuong-Quang DA, Fontebasso AM, Fleming A, Hadjadj D, Schwartzenruber J, Majewski J, Dong Z, Siegel P, Albrecht S, Croul S, Jones DT, Kool M, Tonjes M, Reifenberger G, Faury D, **Zadeh G**, Pfister S and Jabado N. Frequent ATRX mutations and loss of expression in adult diffuse astrocytic tumors carrying IDH1/IDH2 and TP53 mutations. *Acta Neuropathol*. 2012 Nov;124(5):615-25. doi: 10.1007/s00401-012-1031-3. Epub 2012 Aug 12. **Coauthor or Collaborator**.
116. Lwu S, Edem I, Banton B, Bernstein M, Vescan A, Gentili F, **Zadeh G**. Quality of life after transsphenoidal pituitary surgery: a qualitative study. *Oncol Rep*. 2012 Oct;29(2):407-12. doi: 10.3892/or.2012.2139. Epub 2012 Nov 14. **Senior Responsible Author**.
117. Liu XY, Gerges N, Korshunov A, Sabha N, Khuong-Quang DA, Fontebasso AM, Fleming A, Hadjadj D, Schwartzenruber J, Majewski J, Dong Z, Siegel P, Albrecht S, Croul S, Jones DT, Kool M, Tonjes M, Reifenberger G, Faury D, **Zadeh G**, Pfister S and Jabado N. Quality of life after transsphenoidal pituitary surgery: a qualitative study. *Acta Neurochir (Wien)*. 2012 Oct;154(10):1917-22. doi: 10.1007/s00701-012-1455-5. Epub 2012 Aug. **Coauthor or Collaborator**.
118. Alahmadi H, Lee D, Wilson JR, Hayhurst C, Mete O, Gentili F, Asa SL and **Zadeh G**. Clinical features of silent corticotroph adenomas. *Acta Neurochir (Wien)*. 2012 Aug;154(8):1493-8. doi: 10.1007/s00701-012-1378-1. Epub 2012 May 24. **Senior Responsible Author**.
119. Goetz P, Ebinu J, Monsalves E, Lwu S, Bernstein M, Kulkarni A, and **Zadeh G**. Gamma Knife radiosurgery for the treatment of non-surgical cystic cerebral metastases. *International Journal Radiation Oncology Physics*. 2012 Aug;85(3):667-671. **Senior Responsible Author**.
120. Doglietto F, Colosimo C, Lauriola L, Balducci M, De Bonis P, Montano N, **Zadeh G**, Maira G and Pallini R. Intracranial melanocytic meningeal tumours and melanosis oculi: case report and literature review. *BMC Cancer*. 2012 Jun;12:220. doi: 10.1186/1471-2407-12-220. **Coauthor or Collaborator**.
121. Burrell K, Hill RP and **Zadeh G**. High-resolution in-vivo analysis of normal brain response to cranial irradiation. *PLoS One*. 2012 Jun;7(6):e38366. doi: 10.1371/journal.pone.0038366. Epub 2012 Jun 4. (Trainee Publication) **Senior Responsible Author**.
122. Sabha N, Au K, Agnihotri S, Singh S, Mangat R, Guha A and **Zadeh G**. Investigation of the in vitro therapeutic efficacy of nilotinib in immortalized human NF2-null vestibular schwannoma cells. *PLoS One*. 2012 Jun;7(6):e39412. doi: 10.1371/journal.pone.0039412. Epub 2012 Jun 20. (Trainee Publication) **Senior Responsible Author**.
123. Hayhurst C, Monsalves E, Bernstein M, Gentili F, Heydari M, Tsao M, Schwartz M, van Prooijen M, Millar BA, Menard C, Kulkarni AV, Laperriere N and **Zadeh G**. Predicting nonauditory adverse radiation effects following radiosurgery for vestibular schwannoma: a volume and dosimetric analysis. *Int J Radiat Oncol Biol Phys*. 2012 Apr;82(5):2041-6. doi: 10.1016/j.ijrobp.2011.02.017. Epub 2011 Apr 29. (Trainee Publication) **Senior Responsible Author**.
124. **Zadeh G**, Salehi F, An S, Uff C, Camp S, Revesz T, Holton J, Thom M, McEvoy AW, Grieve J, Kitchen N and Brandner S. Diagnostic implications of histological analysis of neurosurgical aspirate in addition to routine resections. *Neuropathology*. 2012 Feb;32(1):44-50. doi: 10.1111/j.1440-1789.2011.01234.x. Epub 2011 Jun 21. **Principal Author**.
125. Hayhurst C, Monsalves E, van Prooijen M, Cusimano M, Tsao M, Menard C, Kulkarni AV, Schwartz M and **Zadeh G**. Pretreatment predictors of adverse radiation effects after radiosurgery for arteriovenous malformation. *Int J Radiat Oncol Biol Phys*. 2012 Feb;82(2):803-8. doi: 10.1016/j.ijrobp.2010.12.014. Epub 2011 Feb 23. **Senior Responsible Author**.
126. Hayhurst C and **Zadeh G**. Tumor pseudoprogression following radiosurgery for vestibular schwannoma. *Neuro Oncol*. 2012 Jan;14(1):87-92. doi: 10.1093/neuonc/nor171. Epub 2011 Oct 25. (Trainee publication). **Senior Responsible Author**.

127. Ebinu JO, Shahideh M, Ibrahim GM, Vescan A, Gentili F, Ridout R, Asa S and **Zadeh G**. Sellar glomangioma. *Endocr Pathol*. 2011 Dec;22(4):218-21. doi: 10.1007/s12022-011-9179-2. (Trainee Publication) **Senior Responsible Author**.
128. Goetz P, Ebinu JO, Roberge D and **Zadeh G**. Current standards in the management of cerebral metastases. *Int J Surg Oncol*. 2011 Nov;2012:9. doi: 10.1155/2012/493426. Epub 2011 Nov 10. (Trainee publication). **Senior Responsible Author**.
129. Guha D, Menard C, Evans W, Gentili F, and Zadeh G. Flap reconstruction and hyperbaric oxygen therapy in the management of temporal bone osteoradionecrosis in an endolymphatic sac tumor: case report. *Skull Base Reports*. 2011 Nov;1(2):125-8. **Senior Responsible Author**.
130. Alahmadi H and **Zadeh G**. Spinal cord injury after prolonged neck flexion, is it an underestimated risk? *Can J Neurol Sci*. 2011 Sep;38(5):794-6. **Senior Responsible Author**.
131. Salehi F, Doglietto F, Ridout R, Gentili F, Asa S and **Zadeh G**. A case report and review of hyperprolactinemia that is not prolactinoma. *Can J Neurol Sci*. 2011 Jul;38(4):652-5 (Trainee publication). **Senior Responsible Author**.
132. **Zadeh G**, Koushan K, Baoping Q, Shannon P and Guha A. Role of angiopoietin-2 in regulating growth and vascularity of astrocytomas. *J Oncol*. 2010 May;2010:659231. doi: 10.1155/2010/659231. Epub 2010 May 11. **Principal Author**.
133. Khu KJ, Doglietto F, Radovanovic I, Taleb F, Mendelsohn D, **Zadeh G** and Bernstein M. Patients' perceptions of awake and outpatient craniotomy for brain tumor: a qualitative study. *J Neurosurg*. 2010 May;112(5):1056-60. doi: 10.3171/2009.6.JNS09716. **Coauthor or Collaborator**.
134. Sahgal A, Ma L, Chang E, Shiu A, Larson DA, Laperriere N, Yin FF, Tsao M, Menard C, Basran P, Letourneau D, Heydarian M, Beachey D, Shukla V, Cusimano M, Hodaie M, **Zadeh G**, Bernstein M and Schwartz M. Advances in technology for intracranial stereotactic radiosurgery. *Technol Cancer Res Treat*. 2009 Aug;8(4):271-80. **Coauthor or Collaborator**.
135. Mukherjee J, Kamnasaran D, Balasubramaniam A, Radovanovic I, **Zadeh G**, Kiehl TR and Guha A. Human schwannomas express activated platelet-derived growth factor receptors and c-kit and are growth inhibited by Gleevec (Imatinib Mesylate). *Cancer Res*. 2009 Jun;69(12):5099-107. doi: 10.1158/0008-5472.CAN-08-4475. Epub 2009 Jun 9. **Coauthor or Collaborator**.
136. **Zadeh G**, Buckle C, Shannon P, Massicotte EM, Wong S and Guha A. Radiation induced peripheral nerve tumors: case series and review of the literature. *J Neurooncol*. 2007 Jun;83(2):205-12. Epub 2007 Jan 6. **Principal Author**.
137. **Zadeh G**, Andrade-Souza YM, Tsao MN, Scora D, Armstrong D, Humphreys R, Rutka J, Drake J, Dirks P and Schwartz ML. Pediatric arteriovenous malformation: University of Toronto experience using stereotactic radiosurgery. *Childs Nerv Syst*. 2007 Feb;23(2):195-9. Epub 2006 Nov 18. **Principal Author**.
138. Mirza-Aghazadeh J, Andrade-Souza YM, **Zadeh G**, Scora D, Tsao MN and Schwartz ML. Radiosurgical retreatment for brain arteriovenous malformation. *Can J Neurol Sci*. 2006 May;33(2):189-94. **Coauthor or Collaborator**.
139. **Zadeh G**, Reti R, Koushan K, Baoping Q, Shannon P and Guha A. Regulation of the pathological vasculature of malignant astrocytomas by angiopoietin-1. *Neoplasia*. 2005 Dec;7(12):1081-90. **Principal Author**.
140. Andrade-Souza YM, **Zadeh G**, Ramani M, Scora D, Tsao MN and Schwartz ML. Testing the radiosurgery-based arteriovenous malformation score and the modified Spetzler-Martin grading system to predict radiosurgical outcome. *J Neurosurg*. 2005 Oct;103(4):642-8. **Coauthor or Collaborator**.
141. Andrade-Souza YM, **Zadeh G**, Scora D, Tsao MN and Schwartz ML. Radiosurgery for basal ganglia, internal capsule, and thalamus arteriovenous malformation: clinical outcome. *Neurosurgery*. 2005 Jan;56(1):56-64. discussion 63-4. **Coauthor or Collaborator**.
142. **Zadeh G**, Koushan K, Pillo L, Shannon P and Guha A. Role of Ang1 and its interaction with VEGF-A in astrocytomas. *J Neuropathol Exp Neurol*. 2004 Sep;63(9):978-89. **Principal Author**.

143. **Zadeh G**, Qian B, Okhowat A, Sabha N, Kontos CD and Guha A. Targeting the Tie2/Tek receptor in astrocytomas. *Am J Pathol.* 2004 Feb;164(2):467-76. **Principal Author.**
144. Pandita A, Aldape KD, **Zadeh G**, Guha A and James CD. Contrasting in vivo and in vitro fates of glioblastoma cell subpopulations with amplified EGFR. *Genes Chromosomes Cancer.* 2004 Jan;39(1):29-36. **Coauthor or Collaborator.**
145. **Zadeh G** and Guha A. Angiogenesis in nervous system disorders. *Neurosurgery.* 2003 Dec;53(6):1362-74. discussion 1374-6. **Principal Author.**
146. Bock NA*, **Zadeh G***, Davidson LM, Qian B, Sled JG, Guha A and Henkelman RM. High-resolution longitudinal screening with magnetic resonance imaging in a murine brain cancer model. *Neoplasia.* 2003 Nov;5(6):546-54. 2003 Nov-Dec. **Coauthor or Collaborator.**
147. **Zadeh G** and Guha A. Molecular regulators of angiogenesis in the developing nervous system and adult brain tumors (review). *Int J Oncol.* 2003 Sep;23(3):557-65. **Principal Author.**

Zadeh G and Guha A. Neoangiogenesis in human astrocytomas: expression and functional role of angiopoietins and their cognate receptors. *Front Biosci.* 2003 Jan;8:e128-37. **Principal Author.** Book Chapters

1. Karolyn Au, Ying Meng, Suganth Suppiah, Anick Nater, Rakesh Jalali, **Gelareh Zadeh**. Current Management of Brain Metastases: Overview and Teaching Cases. In: Lee Roy Morgan, editor(s). *New Approaches to the Management of Primary and Secondary CNS Tumors.* InTech; 2017. p. 1-29. **Senior Responsible Author.**
2. Burrell K and **Zadeh G**. Molecular Mechanisms of Tumor Angiogenesis. In: Sophia Ran, editor(s). InTech. 2012. **Senior Responsible Author.**
3. Wiley J, Bhattacharyya AK, **Zadeh G**, Shannon P, and Guha A. Peripheral Nerve Tumours. In: J.-C. Tonn et al., editor(s). *Oncology of CNS Tumours.* Berlin Heidelberg: Springer-Verlag; 2009. **Coauthor or Collaborator.**
4. **Zadeh, G**, Guha, A. The Neurosurgical Implications of Neurofibromatosis. In: Batjer, H, Loftus, C, editor(s). *Textbook of Neurological Surgery.* Lippincott Williams & Wilkins; 2002. **Principal Author.**
5. **Zadeh, G**, Guha, A. Targeting Oncogenic Signalling Pathways in Human Astrocytomas. In: Rak, J, editor(s). *Oncogenic-Targeted Therapies.* Humana Press; 2002. **Principal Author.**
6. **Zadeh, G**, Guha, A. Biological Targeted Therapies in Human Astrocytomas. In: Singh, A, editor(s). *Indian Medical Council Update in Neurosurgery.* 2000ED. New Delhi (India): CBS Publishers & Distributors; 2002. **Principal Author.**
7. Wiley J, Bhattacharyya A, **Zadeh G**, Shannon P, Guha A. Peripheral Nerve Tumours. In: *Neurosurgical Atlas 2nd Edition: Surgical Management of Peripheral Nerve Tumours.* 2nd ed. New York: Thieme. **Coauthor or Collaborator.**
8. Rees J, Brandner S, Jäger HR, Short S, **Zadeh G**, Thomas T, Emma M, and Howard R. Neuro-oncology. In: *Queen Square Textbook in Neurology.* **Coauthor or Collaborator.**

3. NON-PEER-REVIEWED PUBLICATIONS

Journal Articles

9. **Zadeh G**, Aldape K. Bringing IDH into the Fold. *Cancer Cell.* 2016 Feb;29(2):139-40. **Principal Author.**
10. **Zadeh G**, Aldape K. Bringing IDH into the Fold. *Cancer Cell.* 2016 Feb;29(2):139-40. **Principal Author.**
11. **Zadeh, G.** and Aldape, K. ACVR1 mutations and the genomic landscape of pediatric diffuse glioma. *Nature Genetics.* 2014 May. 46(5):421-2. **Principal Author.**
12. **Zadeh G**, Bhat KP, and Aldape K. EGFR and EGFRvIII in glioblastoma: partners in crime. *Cancer Cell.* 2013 Oct 14;24(4):403-4. **Principal Author.**

4. SUBMITTED PUBLICATIONS

Journal Articles

13. Mamatjan Y, Agnihotri S, Goldenberg A, Tonge P, **Zadeh G**, Aldape K. Molecular signatures for tumor classification: an analysis of TCGA data. Journal of Molecular Diagnostics. **Coauthor or Collaborator**.
14. Agnihotri S, Jalali S, Tonge PD, Danesh A, Bruce J, Mamatjan Y, Klironomos G, Gonen L, Au K, Suppiah S, Mansouri S, Karimi S, Sahm F, von Deimling A, Taylor M, Laperriere N, Pugh T, **Zadeh G**, Aldape KD. Agnihotri S, Jalali S, Tonge PD, Danesh A, Bruce J, Mamatjan Y, Klironomos G, Gonen L, Au K, Suppiah S, Mansouri S, Karimi S, Sahm F, von Deimling A, Taylor M, Laperriere N, Pugh T, Zadeh G, Aldape KD. Nature. Communications. **Coauthor or Collaborator**.