

## CURRICULUM VITAE

JOHANNA T. FIFI, MD, FAAN, FAHA, FSVIN  
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### APPOINTMENTS/EMPLOYMENT

Associate Professor of Neurosurgery, Neurology, and Radiology Icahn School of Medicine at Mount Sinai, New York, NY	1/2017-present
Assistant Professor of Neurology, Neurosurgery and Radiology Icahn School of Medicine at Mount Sinai, New York, NY	1/2014-12/2016
Adjunct Assistant Professor of Neurology Columbia University College of Physicians and Surgeons, New York, NY	7/2011-1/2014
Assistant Professor of Neurology and Radiology Albert Einstein College of Medicine, New York, NY	1/2009-1/2014

### GAPS IN EMPLOYMENT

*None*

### EDUCATION

#### Degrees and Clinical Training

Bachelor of Science (Biomedical Engineering), <i>Magna Cum Laude</i> Boston University College of Engineering, Boston, MA	8/1992-5/1996
Doctor of Medicine Boston University School of Medicine, Boston, MA	8/1996-5/2000
Internal Medicine Intern Thomas Jefferson University Hospital, Philadelphia PA	6/2000-6/2001
Resident, Department of Neurology Chief Resident Thomas Jefferson University Hospital, Philadelphia, PA	7/2001-6/2004 7/2003-7/2004
Fellow in Vascular Neurology and Stroke MRI Section on Stroke Diagnostics and Therapeutics NINDS, National Institutes of Health, Bethesda, MD Directors: Steven Warach, M.D. and Chelsea Kidwell, M.D.	7/12/04-6/30/06
Junior Fellow in Neurointerventional Radiology Washington Hospital Center, Washington, DC Director: William O. Bank, M.D.	7/1/06-6/30/07
Senior Fellow in Endovascular Surgical Neuroradiology New York-Presbyterian Hospital, Columbia University, New York, NY Director: Philip Meyers, M.D.	7/1/07-6/30/08
Fellow in Neuroendovascular Surgery, Pediatric Focus St. Luke's Roosevelt Hospital, New York, NY Director: Alejandro Berenstein, M.D.	7/2008-12/2008

### **Further Training**

Introduction to the Principles and Practice of Clinical Research 10/2004-2/2005  
NIH Clinical Center, National Institutes of Health, Bethesda, MD

Transforming Leaders Program - American Academy of Neurology 9/2017-5/2018  
Executive-level coaching and an intensive leadership development and training program.

### **CERTIFICATION**

National Board of Medical Examiners 6/2001

American Board of Psychiatry and Neurology  
Certification in the specialty of Neurology 4/2005  
Certificate Number 53107 Recertified 2015

Certification in the subspecialty of Vascular Neurology, 6/2006  
Certificate Number 274 Recertified 2016  
American Board of Psychiatry and Neurology

Certification in Neurosonology (Physics, TCD, Carotid) 3/2006  
American Society of Neuroimaging

Certification in Neuroendovascular Surgery 9/2016  
The Society of Neurological Surgeons  
Committee on Advanced Subspecialty Training (CAST)

### **LICENSURE**

Commonwealth of Pennsylvania	MD423337	10/20/2003	Inactive
State of Maryland	D0061417	3/23/2004	Inactive
District of Columbia	MD034826	4/8/2004	Inactive
State of New York	244036	5/1/2007	Expires 8/31/2022

### **HONORS/AWARDS**

Trustee Scholar, Boston University 1992-1996

Young Hearts Award for Achievement in Neurovascular Science and Medicine, American Heart Association and American Stroke Association 5/2010

New York Rising Star Super Doctors 2013, 2014

Top Doctors, Castle Connolly 2015-2020

Super Doctors 2015-2020

### **PATENTS**

*None*

### **OTHER PROFESSIONAL ROLES**

<b>Position</b>	<b>Institution Name</b>	<b>Dates Held</b>
Associate Editor	Stroke: Vascular and Interventional Neurology (a new AHA journal)	2021 - present

Editorial Board Member	Stroke	2020 - present
Review Editor	Frontiers in Neurology, Endovascular and Interventional Neurology Section	2011-2016

Fellow	American Heart Association (AHA)	2015 - present
Fellow	Society of Vascular and Interventional Neurology (SVIN)	2015 - present
Fellow	American Academy of Neurology (AAN)	2019 - present
Member	American Academy of Neurology (AAN)	2001 - present
Member	American Heart Association (AHA)	2004 - present
Member	Society of NeuroInterventional Surgery (SNIS)	2010 - present
Member	World Federation of Interventional and Therapeutic Neuroradiology (WFITN)	2011 - present
Member	American Neurological Association (ANA)	2016 - 2018
Intramural Committee	Stroke Arrivals Committee, Mount Sinai Hospital	2014-present
Intramural Committee	Stroke Center Performance Improvement Committee, Mount Sinai Hospital	2014 - present
Intramural Committee	CV/IR Value Analysis Committee, Mount Sinai Health System	2016 - present
Intramural Committee	Research Feasibility Committee, Department of Neurosurgery, MSHS	2018 - present
Member	NYS Stroke Interfacility Workgroup – AHA/ASA Mission: Lifeline Stroke Program	2018-present

Proctor	Physician Proctor for FRED and Surpass Flow diverter technology	2013 - present
Member	Data and Safety Monitoring Board for the RIVER trial (Sponsor: Serenity Medical)	2018 - present
Member	Data and Safety Monitoring Board for the SELECT 2 trial (Sponsor: UT Houston)	2019 - present
Chair	Data and Safety Monitoring Board for the EVAQ trial (Sponsor: Mivi Medical)	2021 - present

**National Meeting Service**

Abstract reviewer for Abstract reviewer for Vascular Malformations, International Stroke Conference, 2013, 2014, 2015.

Abstract reviewer for Cerebrovascular Disease and Interventional Neurology, American Academy of Neurology Annual Meeting, 2014,2020.

Abstract reviewer for Cerebrovascular category for AHA Scientific Sessions Meeting, 2015-2020.

Abstract reviewer for Society of NeuroInterventional Surgery 12<sup>th</sup> Annual Meeting, 2015.

Society of Vascular and Interventional Neurology 6<sup>th</sup> Annual Meeting, Houston, TX. October 2013.  
Moderator, Vascular malformations session

Section Member, Cerebrovascular and Interventional Neurology Topic Work Group  
American Academy of Neurology for 2014

American Academy of Neurology Annual Meeting, Philadelphia, PA. April 2014.  
Coordinator, Endovascular and Interventional Neurology Highlights in the Field  
Co-chair, Large Vessel Atherosclerotic Disease Session

AANS/CNS Cerebrovascular Section Annual Meeting. February 2015.  
Moderator, Abstract Session

Cerebrovascular Complications Conference (3C), Jackson Hole, WY. June 2015.  
Faculty, Arteriovenous Malformation and Tumor Session

Society of Vascular and Interventional Neurology Annual Meeting, Bonita Springs, FL. Oct 2015.  
Moderator, Aneurysms and AVMs – Questions Session

American Neurological Association Annual Meeting, Baltimore, MD. October 2016  
Co-chair of the Interventional Neurology Special Interest Group (SIG) Session

Society of Neurointerventional Surgery 14<sup>th</sup> Annual Meeting, Colorado Springs, CO. July 2017  
Annual Meeting Committee

American Academy of Neurology Annual Meeting, Philadelphia, PA. May 2019  
Course Director, Cerebrovascular Update III

Society of Neurointerventional Surgery 16<sup>th</sup> Annual Meeting, Miami, FL. July 2019  
Annual Meeting Committee

Society of Neurointerventional Surgery 17<sup>th</sup> Annual Meeting, Virtual Online. August 2020  
Annual Meeting Committee

International Stroke Conference, Los Angeles, CA. February 2020.  
Moderator, Fellow and Early Career Women in Stroke Mentoring Luncheon

### **Regional Meeting Service**

Tri-State Neurovascular Summit (moderator), Harvard Club, New York NY. May 3rd, 2013.

Advanced Interventional Management Symposium, New York, NY. November 2014.  
Moderator, Best Stroke Revascularization Devices

## **GRANTS, CONTRACTS, FOUNDATION SUPPORT**

### **PAST GRANTS**

List Funding Source, Project Title & Number	Role in Project	Dates	Direct Costs (Total Cost)	Supplemental Info
Stryker, NYC MIST Trial, Investigator Initiated Grant	Principal Investigator	2017-2020	85,377	
Penumbra, Measurement and Comparison of Aspiration Force at Inflow of Multiple Intermediate Catheters With and Without Pump, Investigator Initiated Grant	Principal Investigator	2019	11,000	
Viz.AI, Impact of Novel Clinical Decision Support Systems in the Management of Stroke due to Large Vessel Occlusion, 19-1642	Principal Investigator	2020-present	\$160,000	2 year grant

### **PENDING GRANTS**

List Funding Source, Project Title & Number	Role in Project	Dates	Direct Costs	Supplemental Info

## **CLINICAL TRIALS PARTICIPATION**

Project	Role in Project	Dates	Award	Other Info
Penumbra, Liberty, 12-00608	Site Principal Investigator (2014)	11/2012-2016	\$63,500	<i>A multi-center, single arm trial of new stent for treatment of wide-necked aneurysms</i>
Penumbra, ACE (MSSM and SLR), 13-0041	Site Principal Investigator	2013-2015	\$15,000	<i>A multi-center, single arm trial of ACE coils for aneurysm treatment</i>
Microvention, FRED, 13-00029	Site Principal Investigator	7/2013-2019	\$49,800	<i>A multi-center, prospective, single arm study to evaluate the safety and effectiveness of the Flow Redirection Intraluminal Device (FRED) system when used in the treatment of wide-necked intracranial aneurysms</i>
Microvention, LVIS, 15-00525	Site Principal Investigator	7/2013-2018	\$10,800	A multi-center, single arm registry of the LVIS aneurysm stent
Penumbra, Separator 3D, 12-031	Site Principal Investigator	6/2012-2018	\$23,047	<i>Evaluation of stent based separator for Penumbra stroke system</i>
Medtronic/Covidien, BARREL, 15-00019	Site Principal Investigator	8/2015-2018	\$25,752	A multi-center, single arm trial of new device for treatment of wide-neck bifurcation aneurysms
Microvention, Apollo Onyx, 15-00624	Site Principal Investigator	9/2015-2018	\$117,281	A multi-center, single arm trial of a detachable tip catheter for treatment of brain AVM
Stryker, TREVO, 15-2001	Site Principal Investigator	2/2016-2018	\$62,900	Real world experience with the Trevo stroke embolectomy device IV
NIH StrokeNET, DEFUSE 3, 16-00040	Site Principal Investigator	3/2016-2017	\$31,319	Prospective, randomized, Phase II multicenter trial using imaging selection for treating stroke patients in 6-16 hour time window.
Microvention, COAST	Principal Investigator	2014-present		Coiling of aneurysms smaller than 5 mm with Hypersoft
Vanderbilt, FEAT Trial, 14-2045	Site Principal Investigator	2015-present	\$144,580	A multi-center, randomized study of framing aneurysms with larger versus smaller diameter coils
Microvention, CONFIDENCE, 16-0438	Site Principal Investigator	2016-present	\$78,527	Pivotal study of new carotid stent system
Semmes-Murphy, RAGE, 17-1928	Site Principal Investigator	2018-present	\$25,476	<i>A multi-center, single arm registry of a hydrogel coils</i>
Penumbra, COMPLETE	National Co Principal Investigator, Site co-investigator	2018-present	Not site PI	A multi-center, single arm registry of a new stroke system
Microvention, PHIL	Site Principal	2018-present	\$18,446	A multi-center, single arm registry

IDE study, 18-0988	Investigator			of a new embolic agent for dural fistulas for FDA approval
Phenox, PROST,	Site Principal Investigator	2019-present	Starting enrollment	A multi-center, single arm PMA trial of a new stroke system

### Prior Trial Participation (non PI)

Project	Role in Project	Dates	Sponsor	Other Info
<i>Recombination Human Interferon Beta-1a in Acute Ischemic Stroke: A Dose Escalation and Safety Study</i>	<i>Co-investigator</i>	<i>2004-2007</i>	<i>NIH Intramural</i>	<i>This study examined the safety of the drug interferon beta 1a in patients with acute ischemic stroke to determine the highest dose patients can tolerate without serious side effects</i>
<i>CATALIST: Combination Anti-platelet and Anti-coagulation Treatment After Lysis of Ischemic Stroke Trial</i>	<i>Co-investigator</i>	<i>2004-2007</i>	<i>NIH Intramural</i>	<i>To determine an acceptable dose of eptifibatid in combination with aspirin, the low molecular weight heparin tinzaparin, and standard alteplase therapy in ischemic stroke</i>
<i>ROSIE: ReoPro Retavase Reperfusion of Stroke Safety Study-Imaging Evaluation</i>	<i>Co-investigator</i>	<i>2004-2007</i>	<i>NIH Intramural</i>	<i>To determine the dose of Retavase that can safely be combined with ReoPro in treating acute ischemic stroke within 24 hours of onset using MRI for inclusion/exclusion</i>
<i>Natural History of Stroke: Cause and Development</i>	<i>Co-investigator</i>	<i>2004-2007</i>	<i>NIH Intramural</i>	<i>A registry to collect data about stroke patients and obtain information that may serve as the basis for future investigations</i>
<i>MR RESCUE: MR and Recanalization of Stroke Clots Using Embolectomy</i>	<i>Co-investigator</i>	<i>2004-2007</i>	<i>NIH</i>	<i>Purpose is to determine if multimodal imaging can identify patient who might benefit from mechanical</i>
<i>PICS: Penumbra Imaging Collaborative Study</i>	<i>Co-investigator</i>	<i>2009-2014</i>	<i>Penumbra, Inc.</i>	<i>Evaluation of acute stroke patients treated with the Penumbra System to collect 90 day outcome data and to determine if initial imaging correlates with outcome</i>
<i>Solitaire With the Intention For Thrombectomy (SWIFT) Study</i>	<i>Co-investigator</i>	<i>2010-2011</i>	<i>Ev3, Inc.</i>	<i>Evaluation of the Solitaire FR Revascularization device for restoration of blood flow in acute stroke patients</i>
<i>Pivotal LVIS Study</i>	<i>Co-investigator</i>	<i>2013-2017</i>	<i>Microvention, Inc.</i>	<i>A multi-center, prospective, single arm study to evaluate the safety and efficacy of the LVIS/LVIS Jr. Device when used to facilitate endovascular coiling of wide-neck intracranial aneurysms</i>
<i>Safety of Apollo Microcatheter in Pediatric Patients</i>	<i>Co-investigator</i>	<i>2014-2018</i>	<i>Physician sponsored ICE (FDA)</i>	<i>A single center, prospective study to evaluate the safety of the Apollo microcatheter for treatment of brain arteriovenous malformations in pediatric patients</i>
<i>WEB-IT</i>	<i>Co-investigator</i>	<i>2015-2018</i>	<i>Sequent Medical, Inc.</i>	<i>Treatment of bifurcation aneurysms with WEB device</i>
<i>ANSWER</i>	<i>Co-investigator</i>	<i>2015-2017</i>	<i>Pulsar, Inc</i>	<i>Adjunctive treatment of aneurysms with pulse rider device</i>
<i>POSITIVE</i>	<i>Co-investigator</i>	<i>2015-2017</i>	<i>Multiple</i>	<i>Embolectomy in acute stroke patients from 6-12 hours after onset randomized by imaging selection</i>
<i>COMPASS</i>	<i>Co-Investigator</i>	<i>2015-2019</i>	<i>Penumbra, Inc.</i>	<i>ADAPT versus stent retriever for acute stroke treatment</i>
<i>ARISE 2</i>	<i>Co-Investigator</i>	<i>2016-2018</i>	<i>Neuravi, Inc</i>	<i>A multi-center, single arm trial of a new stent retriever for stroke treatment</i>

### TRAINEES

Name	Level of Trainee	Role in Training & Inclusive Dates of Training	Training Venue	Trainees' Current Status/Employment
Lucas Elijahovich	Fellow	Faculty in Fellowship Program	MSW, MSBI, MSSL	Associate Professor, University of

		1/2009-6/2010		Tennessee Memphis
Wolfgang Leesch	Fellow	Faculty in Fellowship Program 7/2009-6/2011	MSW, MSBI, MSSL	Attending, private practice, Virginia
Srinivasan Paramasivam	Fellow	Faculty in Fellowship Program 9/2010-9/2012	MSW, MSBI, MSSL	Assistant Professor, Chennai, India
David Altschul	Fellow	Faculty in Fellowship Program 7/2011-12/2011; 7/2013-6/2014	MSW, MSBI, MSSL	Assistant Professor, Montefiore, Bronx, NY
Santiago Ortega Gutierrez	Fellow	Co-director in Fellowship Program 7/2012-6/2014	MSW, MSBI, MSSL	Associate Professor, University of Iowa
Sunil Furtado	Fellow	Co-director in Fellowship Program 7/2014-12/2015	MSHS	Academic position in India
Justin Mascitelli	Fellow	Co-director in Fellowship Program 2/2014-6/2015	MSHS	Neurosurgery Resident, Mount Sinai
Reade De Leacy	Fellow	Co-director in Fellowship Program 2/2014-6/2015	MSHS	Assistant Professor, Mount Sinai
Christopher Kellner	Fellow	Co-director in Fellowship Program 7/2015-present	MSHS	Assistant Professor, Mount Sinai
Thomas Oxley	Fellow	Co-director in Fellowship Program 7/2015-present	MSHS	Instructor, Mount Sinai; CEO, Synchron
Hazem Shoirah	Fellow	Co-director in Fellowship Program 7/2016-6/2018	MSHS	Assistant Professor, Mount Sinai
Tomoyoshi Shigematsu	Fellow	Co-director in Fellowship Program 3/2017-2/2019	MSHS	Assistant Professor, Mount Sinai
Mohsen Nouri	Fellow	Co-director in Fellowship Program 7/2017-2019	MSHS	Open vascular Fellow Northwell
Gal Yaniv	Fellow	Co-director in Fellowship Program 7/2017-2019	MSHS	Attending, Tel Aviv
Shahram Majidi	Fellow	Co-director in Fellowship Program 7/2018-2020	MSHS	Assistant Professor, Mount Sinai
Benjamin Yim	Fellow	Co-director in Fellowship Program 7/2019-2020	MSHS	Neurosurgery resident, University of Southern California
Kurt Yaeger	Fellow	Co-director in Fellowship Program 7/2018-present	MSHS	Neurosurgery resident, Mount Sinai
Travis Ladner	Fellow	Co-director in Fellowship Program 7/2020-present	MSHS	Neurosurgery resident, Mount Sinai
Krisztina Moldovan	Fellow	Co-director in Fellowship Program 7/2020-present	MSHS	Current fellow
Pouria Moshayedi	Fellow	Co-director in Fellowship Program 7/2020-present	MSHS	Current fellow
Greg Lock	Fellow	Co-director in Fellowship Program 7/2020-present	MSHS	Current fellow

## **TEACHING ACTIVITIES**

Teaching Activity/Topic	Level	Role	Indicate Level and Number of Learners Taught, and Venue	Number of hours week/month/yr	Evaluation Summary	Years Taught
<i>Neuroendovascular Surgery Fellowship</i>	<i>Department</i>	<i>Co-Director</i>	<i>Fellows (3-4 per year)</i>	<i>Daily, 12 months per year</i>		<i>2009-present</i>
<i>Inpatient Rounds</i>	<i>Department</i>	<i>Teaching/Attending</i>	<i>Fellows (2), Residents (3), Medical students</i>	<i>Daily, 12 months per year</i>		<i>2009-present</i>
<i>Procedural Techniques</i>	<i>Department</i>	<i>Teaching/Attending</i>	<i>Residents and Fellows (4-6 per year)</i>	<i>Daily, 12 months per year</i>		<i>2009-present</i>
<i>Unruptured Cerebral Aneurysms: The Basics. Neurology Residents Core lecture series.</i>	<i>Department</i>	<i>Lecturer</i>	<i>Neurology residents and medical students (30)</i>	<i>Once per year</i>		<i>12/2015, 2016</i>
<i>Interventional Neuroradiology in Stroke. Stroke Education Day Lecture for Mount Sinai Nursing.</i>	<i>Hospital</i>	<i>Lecturer</i>	<i>Nursing, 30, Mount Sinai Nurse Education Center</i>	<i>30 minute lecture; offered several times per year</i>		<i>2/2015, 8/2015, 2/2016</i>
<i>Endovascular Recanalization Therapy for Acute Ischemic Stroke. Neurology Residents Core lecture series.</i>	<i>Department</i>	<i>Lecturer</i>	<i>Neurology residents and medical students (30)</i>	<i>Once per year</i>		<i>Yearly in the summer</i>
<i>Spinal Vascular Anatomy and Pathology. Neurosurgery Residents Core Lecture Series.</i>	<i>Department</i>	<i>Lecturer</i>	<i>Neurosurgery residents and medical students (15)</i>	<i>Once per year</i>		<i>2015 and 2016</i>
<i>Mentor, research summer for medical student Danial Wei</i>	<i>Department and School</i>	<i>Mentor</i>	<i>1</i>	<i>Several hours per week</i>		<i>2016</i>

<i>The New Era of Endovascular Recanalization Therapy</i>	<i>School</i>	<i>Lecturer</i>	<i>Neurology and Emergency Medicine Residents</i>	<i>1 time commitment</i>		<i>February 19, 2016</i>
<i>Mentor, research summer for medical student Danial Wei</i>	<i>Department and School</i>	<i>Mentor</i>	<i>1</i>	<i>Several hours per week</i>	<b>Graduated with research distinction</b>	<i>2016-2020</i>
<i>Ad hoc Distinction in Research committee at Icahn School of Medicine at Mount Sinai for student David Ku.</i>	<i>School</i>	<i>Member</i>	<i>1</i>	<i>1 time commitment</i>		<i>February 2016.</i>

### **National Teaching Activities**

<i>Activity/Topic</i>	<i>Level</i>	<i>Role</i>	<i>Date</i>	<i>Venue/Sponsor</i>
<i>Neuro-endovascular Surgery Fellow's course (stroke, aneurysms, AVMS)</i>	<i>Fellows</i>	<i>Faculty, hands-on and lectures</i>	<i>July 2017</i>	<i>Society of NeuroInterventional Surgery Annual Meeting, Colorado Springs, CO</i>
<i>Neuro-endovascular Surgery Fellow's course (stroke, aneurysms, AVMS)</i>	<i>Fellows</i>	<i>Faculty, hands-on and lectures</i>	<i>January 2019</i>	<i>Microvention Headquarters, CA</i>
<i>Neuro-endovascular Surgery Fellow's course (stroke, aneurysms, AVMS)</i>	<i>Fellows</i>	<i>Faculty, hands-on</i>	<i>November 2019</i>	<i>Society of Vascular Interventional Neurology Annual Meeting, Atlanta, GA</i>
<i>Junior Resident Course, Endovascular Diagnostic Intervention Simulation</i>	<i>Junior Neurosurgery Residents</i>	<i>Faculty, hands-on</i>	<i>May 2019</i>	<i>Weill Cornell, Society of Neurological Surgery</i>

### **ADMINISTRATIVE LEADERSHIP APPOINTMENTS** **INTERNAL**

- Associate Director of the Cerebrovascular Center
  - Assist the director in oversight of the cerebrovascular program over the footprint of the Mount Sinai Health System, including on-site procedural angiography administration and coordination between multiple departments at Mount Sinai Hospital, Mount Sinai West, Mount Sinai Queens, and Mount Sinai Beth Israel
  - Assist in the strategic growth of the program over the last 4 years, including early development and implementation of the stroke center at MSQ and upcoming stroke center at Mount Sinai Brooklyn
  - Assist director in oversight of clinical practice processes in the outpatient offices assisting the practice manager and supervisor with support staff and clinical support staff (including RN, PA, and NP) management
- Co-Director of Pediatric Cerebrovascular Disorders Program
  - Co-director of a one in class program treating babies and children with pediatric cerebrovascular disorders referred worldwide.
- Director of Endovascular Ischemic Stroke Program (2015-2021)
  - Directed and coordinated a group of 8 neurointerventionists who perform acute stroke interventions at 4 sites across the Mount Sinai Health System. Coordinate the team of interventional technologists and work with nursing leadership and stroke center leadership at respective sites to maintain high quality, timely responsiveness for the acute stroke interventions. Liase and maintain a strong and active collaboration with the stroke team, neurocritical care team, anesthesia, and emergency departments.
- Co-Director Neuroendovascular Surgery Fellowship Program
  - Management of a CAST accredited fellowship program including recruitment, didactic, and procedural education
  - Graduating 2 fellows per year

### **EXTERNAL**

## **National Elected/Appointed Leadership**

Position	Organization	Dates
Board Member	Society of Vascular and Interventional Neurology (SVIN)	2013-2019
Chair	Society of Vascular and Interventional Neurology 9 <sup>th</sup> Annual Meeting, New York, NY	November 2016
Board member, Neurology	Society of NeuroInterventional Surgery (SNIS)	2017-2018
Treasurer of the Board, Exec Committee	Society of Vascular and Interventional Neurology (SVIN)	2017-2019
Appointed Member	National Endovascular Surgery Advisory Committee, CAST (accredits fellowship programs)	2018-present
Chair	National Endovascular Surgery Advisory Committee, CAST (accredits fellowship programs)	2020-present
Appointed Member	American Board of Neurology and Psychiatry, Focused Practice on CNS Endovascular Surgery Committee	2019-present
Member	ACGME Milestone 2.0 Committee for Endovascular Surgical Neuroradiology	2020-present
Member	Leadership Programs Subcommittee, American Academy Neurology	2019-present
Member	American Stroke Association, Advisory Committee	2020-present
Chair	Governance Committee, Society of NeuroInterventional Surgery (SNIS)	2020-present

## **Multi-Center Clinical Trial Leadership**

<i>Platform/Trial</i>	<i>Role</i>	<i>Dates</i>	<i>Sponsor</i>	<i>Description of Trial</i>
<i>COMPLETE</i>	<i>Co-National PI</i>	<i>2018-present</i>	<i>Penumbra</i>	<i>A multi-center, single arm registry of a new stroke system</i>
<i>Evolve</i>	<i>Steering Committee</i>	<i>2018-present</i>	<i>Stryker</i>	<i>Prospective, multicenter trial evaluating the new Evolve flow diverter</i>
<i>EVAQ Trial</i>	<i>DSMB Lead</i>	<i>2021-present</i>	<i>MIVI</i>	<i>Prospective, international single arm trial of new stroke device</i>
<i>Magneto Trial</i>	<i>DSMB Lead</i>	<i>2018-present</i>	<i>Magneto</i>	<i>Prospective, international single arm trial of new stroke device</i>
<i>StrokeNet Thrombectomy Platform</i>	<i>Co-chair of working group on distal occlusions</i>	<i>2020-present</i>	<i>NIH (pending)</i>	<i>Stroke Therapy Endovascular Platform (STEP) will be a national infrastructure to run the next phase of endovascular stroke trials</i>

## **PUBLICATIONS**

### **Peer Reviewed Original Contributions**

1. Copenhagen BR, Hsia AW, Burgess RE, Fifi JT, Davis L, Warach S, Kidwell CS. Racial Differences in Microbleed Prevalence in Primary Intracerebral Hemorrhage. *Neurology*. 2008 Oct 7;71(15):1176-82. doi: 10.1212/01.wnl.0000327524.16575.ca. PMID: 18838665.

2. Meyers PM, Schumacher HC, Gray WA, **Fifi J**, Gaudet JG, Heyer EJ, Chong JY. Intravascular Ultrasound of Symptomatic Intracranial Stenosis Demonstrates Atherosclerotic Plaque with Intra-plaque Hemorrhage: A Case Report. *J Neuroimaging*. 2008; Jul;19(3):266-70.
3. **Fifi JT**, Meyers PM, Lavine SD, Cox V, Silverberg L, Mangla S, Pile-Spellman J. Complications of Modern Diagnostic Cerebral Angiography at an Academic Medical Center. *J Vasc Interv Radiol*. 2009; Apr;20(4):442-7.
4. **Fifi JT**, Komotar R, Meyers PM, Khandji A, Tanji K, Connolly ES. Restricted Diffusion in a Thrombosed Anterior Cerebral Artery Aneurysm Mimicking a Dermoid Cyst. *J Neuroimaging*. 2012 Jan;22(1):85-88. Epub 2010 Jun 21.
5. Berenstein A, Ortiz R, Niimi Y, Elijevich L, **Fifi J**, Madrid M, Ghatan S, Molofsky W. Endovascular Management of Arteriovenous malformations and Other Intracranial Arteriovenous Shunts in Neonates, Infants, and Children. *Childs Nerv Syst*. 2010;Oct;26(10):1345-58.
6. Paramasivam S, Leesch W, **Fifi J**, Ortiz R, Niimi Y, Berenstein A. Iatrogenic dissection during neurointerventional procedures: a retrospective analysis. *J Neurointerv Surg*. 2012 Sep;4(5):331-5. Epub 2011 Sep 27.
7. Berenstein A, **Fifi JT**, Niimi Y, Presti S, Ortiz R, Ghatan S, Rosenn B, Sorscher M, Molofsky W. Vein of Galen Malformations in Neonates: New Management Paradigms for Improving Outcomes. *Neurosurgery*. 2011;Nov 14.
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77. Bageac DV, Gershon B, Vargas J, Mokin M, Ren Z, Chada D, Turk AS, Chaudry MI, Turner RD, **Fifi JT**, Shigematsu T, De Leacy R. Comparative Study of Intracranial Access in Thrombectomy Using Next Generation 0.088" Guide Catheter Technology. *J Neurointerv Surg*. 2021 May 26;neurintsurg-2021-017341. doi: 10.1136/neurintsurg-2021-017341. Epub ahead of print. PMID: 34039682
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79. McDougall C, Diaz O, Boulos A, Siddiqui A, Caplan J, **Fifi JT**, Turk AS, Kayan Y, Jabbour P. Safety and Efficacy Results of the Flow Re-Direction Endoluminal Device (FRED) Stent System in the Treatment of Intracranial Aneurysms: USA Pivotal trial. *Neurointerv Surg*. 2021 Jul 19;neurintsurg-2021-017469. doi: 10.1136/neurintsurg-2021-017469. Epub ahead of print. PMID: 34282038.
80. Morey J, Zhang X, Marayati NF, Matsoukas S, Fiano E, Oxley T, Dangayach N, Stein LK, Fara MG, Skliut M, Kellner C, De Leacy R, Mocco J, Tuhim S, **Fifi JT**. Mobile Interventional Stroke Teams Improve Outcomes in the Early Time Window for Large Vessel Occlusion Stroke. 2021 Aug 5;STROKEAHA121034222. doi: 10.1161/STROKEAHA.121.034222. Epub ahead of print. PMID: 34348472.

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82. Mascitelli JR, Mocco J, Hardigan TH, Hendricks BJ, Yoon S, Yaeger KA, Kellner CP, De Leacy RA, **Fifi JT**, Bederson JB, Albuquerque FC, Decruet AF, Birnbaum LA, Caron LR, Rodriguez P, Lawton MT. EVERRUN Registry: Endovascular therapy versus microsurgical clipping of ruptured wide neck aneurysms: A multicenter, prospective, propensity score analysis. Accepted at *J Neurosurg*. July 2021.
83. Zaidat OO, **Fifi JT**, Nanda A, Atchie B, Woodward K, Doerfler A, Tomasello A, Tekle W, Singh IP, Matouk C, Thalwitzer J, Jargiello R, Skrypnik D, Beuing O, Berge J, Katz JM, Biondi A, Bonovich D, Sheth SA, Yoo AJ, Hassan AE. Endovascular Treatment of Acute Ischemic Stroke with the Penumbra System in Routine Practice: COMPLETE Registry Results. Accepted *Stroke*. August 2021.

### **Other Peer Reviewed Publications** **Reports of Clinical Trial Groups**

84. Kidwell CS, Jahan R, Gornbein J, Alger JR, Nenov V, Ajani Z, Feng L, Meyer BC, Olson S, Schwamm LH, Yoo AJ, Marshall RS, Meyers PM, Yavagal DR, Wintermark M, Guzy J, Starkman S, Saver JL; MR RESCUE Investigators. A trial of imaging selection and endovascular treatment for ischemic stroke. *N Engl J Med*. 2013 Mar 7;368(10):914-23.
85. Zaidat OO, Castonguay AC, Fitzsimmons BF, Woodward BK, Wang Z, Killer-Oberpfalzer M, Wakhloo A, Gupta R, Kirshner H, Eliasziw M, Thomas Megerian J, Shetty S, Yoklavich Guilhermier M, Barnwell S, Smith WS, Gress DR; VISSIT Trial Investigators. Design of the Vitesse Intracranial Stent Study for Ischemic Therapy (VISSIT) trial in symptomatic intracranial stenosis. *J Stroke Cerebrovasc Dis*. 2013 Oct;22(7):1131-9.
86. Saver JL, Jahan R, Levy EI, Jovin TG, Baxter B, Nogueira R, Clark W, Budzik R, Zaidat OO; SWIFT Trialists. SOLITAIRE™ with the intention for thrombectomy (SWIFT) trial: design of a randomized, controlled, multicenter study comparing the SOLITAIRE™ Flow Restoration device and the MERCI Retriever in acute ischaemic stroke. *Int J Stroke*. 2014 Jul;9(5):658-68.
87. Zaidat OO, Fitzsimmons BF, Woodward BK, Wang Z, Killer-Oberpfalzer M, Wakhloo A, Gupta R, Kirshner H, Megerian JT, Lesko J, Pitzer P, Ramos J, Castonguay AC, Barnwell S, Smith WS, Gress DR; VISSIT Trial Investigators. Effect of a balloon-expandable intracranial stent vs medical therapy on risk of stroke in patients with symptomatic intracranial stenosis: the VISSIT randomized clinical trial. *JAMA*. 2015 Mar 24-31;313(12):1240-8.
88. Albers GW, Marks MP, Kemp S, Christensen S, Tsai JP, Ortega-Gutierrez S, McTaggart RA, Torbey MT, Kim-Tenser M, Leslie-Mazwi T, Sarraj A, Kasner SE, Ansari SA, Yeatts SD, Hamilton S, Mlynash M, Heit JJ, Zaharchuk G, Kim S, Carrozzella J, Palesch YY, Demchuk AM, Bammer R, Lavori PW, Broderick JP, Lansberg MG; DEFUSE 3 Investigators. Thrombectomy for Stroke at 6 to 16 Hours with Selection by Perfusion Imaging. *N Engl J Med*. 2018 Feb 22;378(8):708-718. doi: 10.1056/NEJMoa1713973. Epub 2018 Jan 24. PubMed PMID: 29364767.
89. Alemseged F, Van der Hoeven E, Di Giuliano F, Shah D, Sallustio F, Arba F, Kleinig TJ, Bush S, Dowling RJ, Yan B, Sharma G, Limbucci N, Floris R, Donnan GA, Puetz V, Diomedi M, Parsons MW, Mitchell PJ, Davis SM, Yassi N, Schonewille WJ, Campbell BCV; Basilar Artery Treatment and Management (BATMAN) Collaboration; Basilar Artery Treatment and Management (BATMAN) collaborators. Response to Late-Window Endovascular

Revascularization Is Associated With Collateral Status in Basilar Artery Occlusion. Stroke. 2019 May 16. [Epub ahead of print] PubMed PMID: 31092168.

90. Arthur AS, Molyneux A, Coon AL, Saatci I, Szikora I, Baltacioglu F, Sultan A, Hoit D, Delgado Almandoz JE, Eljovich L, Cekirge S, Byrne JV, Fiorella D; WEB-IT Study investigators. The safety and effectiveness of the Woven EndoBridge (WEB) system for the treatment of wide-necked bifurcation aneurysms: final 12-month results of the pivotal WEB Intrasaccular Therapy (WEB-IT) Study. J Neurointerv Surg. 2019 Apr 16. [Epub ahead of print] PubMed PMID: 30992395.
91. Akbik F, Alawieh A, Cawley CM, Howard BM, Tong FC, Nahab F, Saad H, Dimisko L, Mustroph C, Samuels OB, Pradilla G, Maier I, Goyal N, Starke RM, Rai A, Fargen KM, Psychogios MN, Jabbour P, De Leacy R, Giles J, Dumont TM, Kan P, Arthur AS, Crosa RJ, Gory B, Spiotta AM, Grossberg JA; Stroke Thrombectomy and Aneurysm Registry (STAR). Differential effect of mechanical thrombectomy and intravenous thrombolysis in atrial fibrillation associated stroke. J Neurointerv Surg. 2020 Dec 14:neurintsurg-2020-016720. Epub ahead of print. PMID: 33318066.
92. Akbik F, Alawieh A, Cawley CM, Howard BM, Tong FC, Nahab F, Saad H, Dimisko L, Mustroph C, Samuels OB, Pradilla G, Maier I, Goyal N, Starke RM, Rai A, Fargen KM, Psychogios MN, Jabbour P, De Leacy R, Giles J, Dumont TM, Kan P, Arthur AS, Crosa RJ, Gory B, Spiotta AM, Grossberg JA; Stroke Thrombectomy and Aneurysm Registry (STAR). Differential effect of mechanical thrombectomy and intravenous thrombolysis in atrial fibrillation associated stroke. J Neurointerv Surg. 2020 Dec 14:neurintsurg-2020-016720. doi: 10.1136/neurintsurg-2020-016720. Epub ahead of print. PMID: 33318066.

### **Editorials**

1. **Fifi JT**, Dabus G, Mack WJ, Mocco J, Pride L, Arthur AS, Albuquerque FC. In the thrombectomy era, triage in the field improves care. J Neurointerv Surg. 2018 Jul;10(7):607-608
2. Mocco J and **Fifi JT**. In Reply: May Cooler Heads Prevail During a Pandemic: Stroke in COVID-19 Patients or COVID-19 in Stroke Patients? Neurosurgery. 2020 Aug 28:nyaa385. doi: 10.1093/neuros/nyaa385. Epub ahead of print. PMID: 32856700

### **Books and Book Chapters**

1. Rahman C, **Fifi JT**, Meyers PM. Intracranial Interventions. In: Martin Schillinger, Erich Minar, eds. Complex Cases in Peripheral Vascular Interventions. London: Informa Healthcare; 2010 p. 62-76.
2. **Fifi JT**, Paramasivam S. Endovascular management of vein of Galen malformation. In: Gilman S, editor. Medlink Neurology. San Diego: Medlink Corporation. Available at [www.medlink.com](http://www.medlink.com).
3. Shoirah H, Kurian C, Stein L, **Fifi JT**. Worsening of cerebral ischemic infarction. In: Reza Behrouz, Lee A. Birnbaum eds. Complications of Acute Stroke: A Concise Guide to Prevention, Management, and Management. Springer Publishing Company. 2019.
4. **Fifi JT**, Morey J. ELVO in Urban Areas: Evolution of Stroke Systems of Care. In: Hui F, Spiotta A, Hanel R, Baxter B, eds. 12 Strokes. Springer Publishing Company. In Press.

### **Non-Peer Reviewed Publications**

1. **Fifi JT** and Colburn HS. Binaural Consequences of Time-Intensity Relations in the Auditory Nerve. Undergraduate Thesis. Department of Biomedical Engineering. College of Engineering. Boston University. 1996.

2. **Fifi JT** and Brockington C. Introduction and Case Presentation in Intra-arterial Thombolysis and Acute Stroke Management. *Issues in Clinical Neuroscience, a Publication of the Neurosciences Institute at Roosevelt Hospital. 2010;4(1)*
3. **Fifi JT** and Ortiz R. Case Presentations in Endovascular Surgery & Interventional Neuroradiology. *Issues in Clinical Neuroscience, a Publication of the Neurosciences Institute at Roosevelt Hospital. 2009;3(2)*

## **INVITED LECTURES/PRESENTATIONS**

### **National/ International Invited Presentations**

1. Management of Intracranial Arteriovenous Shunts in Neonates. Invited speaker at Society of Vascular and Interventional Neurology 3<sup>rd</sup> Annual Meeting, San Francisco, CA, January 2010.
2. The Apollo Microcatheter. Invited speaker at Society of Vascular and Interventional Neurology Annual Meeting. Hollywood, FL. October 2014.
3. Vein of Galen Malformations. Invited speaker at Society of Vascular and Interventional Neurology Annual Meeting. Hollywood, FL. October 2014.
4. Reorganization of Stroke Care in Metropolitan Areas. Invited speaker at Society of NeuroInterventional Surgery Annual Meeting. San Francisco, CA. July 2015.
5. Staffing Models for Healthcare Systems That Have Multiple Stroke Interventional Labs with a Local Geography. Invited speaker at Society of Vascular and Interventional Neurology 3<sup>rd</sup> Annual Stroke Center Workshop, Bonita Springs, FL, October 2015.
6. Vein of Galen Malformations – Technical Primer. Invited speaker at Society of Vascular and Interventional Neurology 8<sup>th</sup> Annual Meeting, Bonita Springs, FL, October 2015.
7. Web: From Basics to Trial to Practice. Invited speaker at Society of Vascular and Interventional Neurology 8<sup>th</sup> Annual Meeting, Bonita Springs, FL, October 2015.
8. FRED: Tricks and Precautions. Invited speaker at Society of Vascular and Interventional Neurology 8<sup>th</sup> Annual Meeting, Bonita Springs, FL, October 2015.
9. Platelet Testing – Is it for Real or a Hoax? Invited speaker at Society of Vascular and Interventional Neurology 8<sup>th</sup> Annual Meeting, Bonita Springs, FL, October 2015.
10. Endovascular Therapies for Vein of Galen and other Pediatric Cerebrovascular Disorders. In Update on Endovascular Treatment of Cerebrovascular Diseases Course. Invited speaker at American Academy of Neurology Annual Meeting. Vancouver, BC. April 2016.
11. Mechanical Thrombectomy Devices: How Many Are There and Where Are We Going? In STAT Stroke course. Invited speaker at American Academy of Neurology Annual Meeting. Vancouver, BC. April 2016.
12. Cerebrovascular Disease in Older Adults-Indications for Intervention. Endovascular Therapies for Geriatric Cerebrovascular Disease Session. Invited speaker at American Geriatrics Society 2016 Annual Scientific Meeting. Long Beach, CA. May 2016.
13. Panel discussion participant, Difficult Stroke Cases Session. Society of NeuroInterventional Surgery 13<sup>th</sup> Annual Meeting, Boston, MA. July 2016

14. Clinical Experience with the Latest Stroke Thrombectomy Technology: ACE68 Perfusion Catheter. 9<sup>th</sup> Congress of the European Society of Minimally Invasive Neurological Therapy. Nice, France. September 2016.
15. Endovascular Devices for Treatment of Intracranial Aneurysms: How Do They Work and Do They Improve Outcomes. American Neurological Society Annual Meeting. Baltimore, MD. October 2016.
16. Physician Staffing Models for Healthcare Systems that have Multiple Stroke Interventional Labs within a Local Geography. Society of Vascular and Interventional Neurology 4<sup>th</sup> Annual Stroke Center Workshop. New York, NY. November 2016.
17. WEB-IT Trial Update. Society of Vascular and Interventional Neurology 9<sup>th</sup> Annual Meeting. New York, NY. November 2016.
18. Evaluating Potential Job Opportunities. SNIS/Joint Cerebrovascular Section National Fellows Courses. Colorado Springs, CO. July 2017.
19. Stroke Care Models: Ship the Patient or the Doctor? 14<sup>th</sup> Congress of the World Federation of Interventional and Therapeutic Neuroradiology. Budapest, Hungary. October, 2017.
20. Evaluation and Treatment of Wake-up Stroke in the DAWN Era: How Late Can We Intervene? Cardiovascular Research Foundation TCT 2017. Denver, CO. November 2017.
21. How to Manage LVO Stroke with Access Blocked by Cervical Carotid Occlusion. Cardiovascular Research Foundation TCT Meeting. Denver, CO. November 2017.
22. Platelet Inhibition Assays: Where we are now and future trends. Advanced Interventional Management Symposium. New York, NY. November 2017.
23. Pushing the Limits in Acute Ischemic Stroke. SWONS (Surgical Skills Workshop in Neurosurgery). Chennai, India (Skype Presentation). December 2017.
24. Thrombectomy Models for Acute Ischemic Stroke: Evolving Evidence and Systems of Care. Neurosciences Grand Rounds. Georgetown University. Washington, DC. May 2018.
25. Trip and Treat: An Integrated Team System Approach. Society of Vascular and Interventional Neurology Annual Meeting. San Diego, CA. November 2018.
26. POSITIVE Trial Results. Society of Vascular and Interventional Neurology Annual Meeting. San Diego, CA. November 2018.
27. Angiographic Anatomy. At the Fellow's Course of the Annual meeting of the Joint Cerebrovascular Section of the AANS/CNS. Honolulu, HI. February 2019.
28. Mobile Interventional Stroke Teams: Trip and Treat. Annual meeting of the Joint Cerebrovascular Section of the AANS/CNS. Honolulu, HI. February 2019.
29. Bring the Intervention to the Patient: The Trip and Treat Model. International Stroke Conference. Honolulu, HI. February 2019.
30. Techniques on Intracranial Aspiration Thrombectomy. European Course in Interventional Neuroradiology, 1<sup>st</sup> Cycle, Module 1 on Ischemic Stroke. European Society of Neuroradiology. Barcelona, Spain. May 2019.

31. Stentriever Versus Aspiration: Does It Make a Difference? European Course in Interventional Neuroradiology, 1<sup>st</sup> Cycle, Module 1 on Ischemic Stroke. European Society of Neuroradiology. Barcelona, Spain. May 2019.
32. Update on Recently Completed Clinical Trials. European Course in Interventional Neuroradiology, 1<sup>st</sup> Cycle, Module 1 on Ischemic Stroke. European Society of Neuroradiology. Barcelona, Spain. May 2019.
33. Systems of Care for Acute Stroke: Does One Size Fit All? Academy of Neurology in 71<sup>st</sup> Annual Meeting. Philadelphia, PA. May 2019.
34. EMS Should Bypass Primary Stroke Centers: Debate. American Academy of Neurology Controversies **Plenary Session** in 71<sup>st</sup> Annual Meeting. Philadelphia, PA. May 2019.
35. Patient to the CSC or Doctor to the Patient. Society of NeuroInterventional Surgery 16<sup>th</sup> Annual Meeting, Miami, FL. July 2019.
36. Interventional Stroke Therapy in Women. Yatsu Day Symposium. University of Texas Health Science Center at Houston. Houston, TX. September 27<sup>th</sup>, 2019.
37. Stroke Thrombectomy: Evolving Evidence and Systems of Care. Neurology Grand Rounds. Thomas Jefferson University Hospital. Philadelphia, PA. October 11<sup>th</sup>, 2019.
38. EMS Should Bypass Primary Stroke Centers: Debate. American Academy of Neurology Fall Conference. Las Vegas, NV. October 18<sup>th</sup>, 2019.
39. AI in the Management of Acute Stroke. Congress of Neurological Surgeons Annual Meeting. San Francisco, CA. October 21<sup>st</sup>, 2019.
40. Large Vessel Occlusion in Large Core Stroke Should be Treated. Expanding indications for thrombectomy (Debate). International Stroke Conference, Honolulu, HI. February 20<sup>th</sup>, 2020.
41. The Growing Use of Telehealth for the Neurointerventionalist. Society of NeuroInterventional Surgery Webinar. April 2020.
42. Certification in NeuroInterventional Surgery. Society of NeuroInterventional Surgery 17<sup>th</sup> Annual Meeting. Web based. August 2020.
43. How is INR practice influenced by COVID-19 Stroke in young COVID patients. European Society of Minimally Invasive Neurological Therapy 12<sup>th</sup> Annual Congress. Web based. September 2020.
44. Did COVID-19 change the types of stroke we saw? 15<sup>th</sup> Annual Northeast Cerebrovascular Consortium Summit. Web based. October 30<sup>th</sup> 2020.
45. Lessons learned from the pandemic: Preparedness of stroke care during natural disasters & non-emergent care. Society of Vascular and Interventional Neurology Annual Meeting. Web based. October 2020.
46. Trip and Treat: Doctor Goes to the Patient. 5<sup>th</sup> Annual South Texas Comprehensive Stroke Care Symposium. Web Based. May 2021.
47. Update on Endovascular Treatment of Acute Ischemic Stroke. American Academy of Neurology Annual Meeting. Web Based. April 2021.

48. Mobilizing the Team vs Mobilizing the Patient. Society of Vascular and Interventional Neurology Spring Break. Web based. May 2020.
49. EC-IC collaterals and How to Avoid the Danger. Society of NeuroInterventional Surgery 18<sup>th</sup> Annual Meeting. Colorado Springs, CO. August 2021

### **Regional Invited Presentations**

1. Acute Stroke Care in the Field. Maryland Institute of Emergency Medical Services Systems, EMS Care 2005.
2. Stroke Diagnostics Panel. 2009 Neurosymposium on Cerebral Revascularization, New York, NY. August 2009.
3. Stroke Update for New York EMS. Continuum Stroke Departments conference for EMS. Beth Israel Hospital. New York, NY. October 2011.
4. The New Era of Endovascular Stroke Therapy. The 11<sup>th</sup> New York Symposium on Neurological Emergencies and Neurocritical Care. The New York Academy of Medicine. New York, NY. June 2014
5. Pediatric Neurointervention: State of the Art. JFK Medical Center, NJ Neuroscience Institute. Grand rounds invited speaker. Edison, NJ. September 24<sup>th</sup>, 2014.
6. Interventional Neuroradiology Overview. Mount Sinai Update 2014: Brain Spine. October 17<sup>th</sup>, 2014.
7. Stroke Care Organization: Rural Versus City. Advanced Interventional Management Symposium, New York, NY. November 2015.
8. The New Era of Endovascular Technology. The 11<sup>th</sup> New York Symposium on Neurological Emergencies and Neurocritical Care. The New York Academy of Medicine. New York, NY. June 2016.
9. Case Presentations: Interventional Stroke. 3<sup>rd</sup> Annual Advances in Neurology Course. Icahn School of Medicine at Mount Sinai. New York, NY. October 2016.
10. Future Directions in Endovascular Neurology. Department of Neurology Grand Rounds. Mount Sinai Health System. New York, NY. January 2017.
11. Endovascular Management of Acute Ischemic Stroke. Rutgers Stroke Symposium. Livingston, NJ. June 2017.
12. Endovascular Management of Acute Ischemic Stroke. Richmond University Grand Rounds. Staten Island, NY. August 2017.
13. Cerebral Hemorrhage and Aneurysm Treatment. New York City Stroke Coordinators Meeting at the AHA. New York, NY. September 2017.
14. Endovascular Stroke: Systems and Cases. Mount Sinai 4<sup>th</sup> Annual Advances in Neurology Course. New York, NY. October 2017.
15. Thrombectomy for Acute Ischemic Stroke: Evolving Evidence. SUNY Downstate Neurology Grand Rounds. Brooklyn, NY. February 2018.

16. Resetting the Window for Stroke Patients: Updates in LVO Stroke Treatment following AHA Treatment Guideline Changes. NYC Stroke Coordinators Meeting. New York, NY. March 2018.
17. Interventional Stroke Treatment Models: Ship the Patient, or the Doctor? Brooklyn Stroke Conference. Brooklyn, NY. June 2018.
18. Discussant on Acute Stroke Cases. Lenox Hill Hospital Neurosurgery III: Lessons of Success and Failure in Neurovascular Treatment. New York, NY. June 2018.
19. Thrombectomy for Acute Ischemic Stroke: Evolving Evidence and systems of care. Mount Sinai Stroke Conference. New York, NY. June 2018.
20. Thrombectomy for Acute Ischemic Stroke: Evolving Evidence and Systems of Care. Richmond University Grand Rounds. Staten Island, NY. September 2018.
21. Pediatric Stroke and Cerebrovascular Malformations. **Keynote Speaker** at the Annual JFK Neurosciences Symposium. JFK Medical Center. Edison, NJ. September 2018.
22. Stroke Systems of Care: The Mount Sinai System Team Approach. MSQ Quarterly Meeting. Queens, NY. October 2018.
23. Stroke Thrombectomy: Systems of Care. Mount Sinai Health System Neurosurgery Grand Rounds. February 2020.

#### **Platform Presentations**

1. **Fifi JT** and Bank WO. Middle Cerebral Artery Aneurysms: Stroke Risks from Parent Artery Occlusion. ABC-WIN Meeting. Val D'Isere, France. January, 2007.
2. **Fifi JT**, Brockington C, Leesch W, Narang J, Bennet HL, Berenstein A, Chong J. Clopidogrel resistance is associated with thromboembolic complications after neurovascular stenting. Platform presentation at Society of Vascular and Interventional Neurology Annual Meeting. Hollywood, FL. October 2011.
3. Schwe Y, Ortega-Gutierrez S, Walker A, Otokiti A, Altschul D, Paramasivam S, Boniece I, Berenstein A, **Fifi JT**. Comparison of large vessel stroke outcome before and after initiation of on-site endovascular treatment. Society of Vascular and Interventional Neurology Annual Meeting. Houston, TX. October 2013.
4. Wei D, Oxley TJ, Nystal DA, Shoirah H, Chartrain A, Mascitelli JR, Wilson N, Liang J, Awad A, Kellner CP, De Leacy RA, Mayer SA, Tuhim S, Bederson JB, Mocco J, **Fifi JT**. High THRIVE score predicts mortality but not overall clinical improvement for neurointervention in ischemic stroke. AANS/CNS Joint CV Section Annual Meeting, Houston, TX, February 2017.
5. Velickovic Ostojic I, Skliut M, **Fifi JT**. To Stay or To Go? Utilization of a Mobile Interventional Stroke Team Shortens Time to Treatment in Large Vessel Occlusion. International Stroke Conference. Honolulu, HI. February 2019.
6. **Fifi JT**, Hassan AE, Zaidat OO. Mechanical Thrombectomy with Penumbra 3D Revascularization Device for Anterior Large Vessel Occlusion: Interim Analysis of COMPLETE Study. Society of Vascular and Interventional Neurology Annual Meeting. Atlanta, GA. November 2019.
7. Stein LK, Mocco J, **Fifi J**, Jette N, Tuhim S, Dhamoon M. Associations Between Endovascular Thrombectomy Volumes and Outcomes: A Nationwide Analysis. International Stroke Conference. Los Angeles, CA. February 2020.

8. Morey J, Oxley TJ, Wei D, Shoirah H, Zhang X, Wheelwright D, Rubenstein L, Mocco J, Bederson J, **Fifi JT**. The Mobile Interventional Stroke Team (MIST) Model Improves Early Outcomes in ELVO Stroke: The NYC Mist Trial. International Stroke Conference. Los Angeles, CA. February 2020.
9. **Fifi JT**, Hassan AE, Zaidat OO, COMPLETE Study Investigators. Aspiration Thrombectomy of M2 Middle Cerebral Artery Occlusion to Treat Acute Ischemic Stroke: A Core Lab–Adjudicated Subset Analysis from the COMPLETE Registry. European Society of Minimally Invasive Neurological Therapy 12<sup>th</sup> Annual Congress. Web based. September 2020.
10. **Fifi JT**, Meyers PM on behalf of the Apollo Study Investigators. Safety of the APOLLO™ Onyx™ delivery microcatheter for embolization of brain arteriovenous malformations: Results from a prospective post-market study. Society of Vascular and Interventional Neurology Annual Meeting. Web based. October 2020.
11. Hassan AE, **Fifi JT**, Zaidat OO, COMPLETE Study Investigators. Aspiration Thrombectomy For Acute Ischemic Stroke Patients Presenting After 6 Hours. Society of NeuroInterventional Surgery Annual Meeting. Colorado Springs, CO. July 2021.

## **VOLUNTARY PRESENTATIONS**

### **Poster Presentations**

1. Kim M, Fifi JT, and Siow C. Paroxysmal Hemicrania with Basilar Aura and Vasospasm. American Headache Society Annual Scientific Meeting, June, 2003.
2. Fifi JT, Sen I, Sperling MR. Volumes of Subcortical Nuclei and Clinical Characteristics in Temporal Lobe Epilepsy Patients. Poster at the 56<sup>th</sup> Annual Meeting of the American Academy of Neurology, April, 2004.
3. Fifi JT and Warach S. for the ROSIE2 Investigators. Reperfusion of Stroke Safety Study, Imaging Evaluation – 2: Adjunctive Treatment to Standard Alteplase Therapy of Ischemic Stroke. International Stroke Conference Poster Presentation. February, 2005.
4. Fifi JT, Butman JA, Warach S, Luby M, Saver JL, Kidwell CS. Standard Gradient Echo is Far Superior to Other Susceptibility Weighted Sequences for Identifying intracranial Hemorrhage. International Stroke Conference Poster Presentation. *Stroke*. 2007;38:486
5. Hsia AW, Warach S, Fifi JT, Burgess RE, Merino JG, Castle A, Taylor A, Copenhaver BR, Kidwell CS. Hypertension, but not Diabetes Mellitus, is Associated with Cerebral Microbleeds in Patients with Acute Ischemic Stroke. International Stroke Conference Poster Presentation. *Stroke*. 2007;38:530
6. Fifi JT, Meyers PM, Lavine SD, Cox V, Silverberg L, Mangla S, Pile-Spellman J. Complications of Modern Diagnostic Cerebral Angiography at an Academic Medical Center. International Stroke Conference Poster Presentation. *Stroke*. 2008;39(2):580
7. Ortiz R, Fifi JT, Niimi Y, Berenstein A. Contrast enhanced Dyna CT as a complementary tool in the work-up of atherosclerotic disease. ABC-WIN Meeting. Val D’Isere, France. January, 2010.
8. Fifi JT, Hartenstein L, Ortiz RA, Niimi Y, Berenstein A. Antiplatelet Drug Resistance Predicts Thrombotic Complications in Patients Undergoing Cerebrovascular Stenting. International Stroke Conference Poster Presentation. *Stroke*. February, 2010.

9. Berenstein A, Fifi JT, Ortiz RA, Niimi Y. Outcomes of Modern Endovascular Treatment of vein of Galen malformations in the Neonatal Period. 18<sup>th</sup> Congress of the International Society for the Study of Vascular Anomalies. Brussels, Belgium. April, 2010.
10. Berenstein A, Fifi JT, Ortiz RA, Niimi Y. Microcystic Lymphatic Malformations of the Head and Neck Treated with a New "Gravity Dependent" Technique for Intralesional Sclerotherapy. 18<sup>th</sup> Congress of the International Society for the Study of Vascular Anomalies. Brussels, Belgium. April, 2010.
11. Ripley A, Narang J, Fifi J, Bennet HL. Aspirin and Clopidogrel Resistance in Patients Requiring Endovascular Neurological Intervention. American Society of Anesthesiologists Annual Meeting. San Diego, CA. October, 2010.
12. Fifi JT, Paramasivam S, Berenstein A. Dural arteriovenous fistula due to tentorial metastatic middle ear adenoma presenting with cognitive impairment. Society of Vascular and Interventional Neurology Annual Meeting. Miami, FL. October 2011.
13. Fifi JT, Brockington C, Leesch W, Narang J, Bennet HL, Berenstein A, Chong J. Clopidogrel resistance is associated with thromboembolic complications after neurovascular stenting. Society of Vascular and Interventional Neurology Annual Meeting. Hollywood, FL. October 2011.
14. Fifi JT, Niimi Y, Berenstein A. Onyx Embolization of an Extensive Mandibular Arteriovenous Malformation Via a Dual Lumen Balloon Catheter: A Technical Case Report. Society of Vascular and Interventional Neurology Annual Meeting. Hollywood, FL. October 2011.
15. Fifi JT, Ortega-Gutierrez S, Altschul D, Paramasivam S, Berenstein A. Features of Capillary Malformation-Arteriovenous Malformation Syndrome Associated Cerebral Vascular Anomalies. Society of Vascular and Interventional Neurology Annual Meeting. Houston, TX. October 2013.
16. Schwe Y, Ortega-Gutierrez S, Walker A, Otokiti A, Altschul D, Paramasivam S, Boniece I, Berenstein A, Fifi JT. Comparison of large vessel stroke outcome before and after initiation of on-site endovascular treatment. Society of Vascular and Interventional Neurology Annual Meeting. Houston, TX. October 2013.
17. Ortega-Gutierrez S, Altschul D, Paramasivam S, Fifi JT, Berenstein A. Complete Obliteration of a Palpebral Supraorbital Fistulous Arteriovenous Malformation Using the Combination of Percutaneous and Endovascular Embolization. Society of Vascular and Interventional Neurology Annual Meeting. Houston, TX. October 2013.
18. Schwe Y, Ortega-Gutierrez S, Walker A, Otokiti A, Altschul D, Paramasivam S, Boniece I, Berenstein A, Fifi JT. Comparison of large vessel stroke outcome before and after initiation of on-site endovascular treatment. American Academy of Neurology Annual Meeting. Philadelphia, PA. April 2014. (Selected for e-poster)
19. Paramasivam S, Altschul D, Fifi J, Ortega-Gutierrez S, Berenstein A. Safety and efficacy of detachable tip microcatheter for embolization of brain arteriovenous malformation. J Neurointerv Surg. 2014 Jul;6 Suppl 1:A14. Society of Neurointerventional Surgery Annual Meeting. Colorado Springs, CO. July 2014.
20. Paramasivam S, Fay A, Fifi J, Berenstein A. Image guided bleomycin sclerotherapy for orbital lymphatic malformation. J Neurointerv Surg. 2014 Jul;6 Suppl 1:A8-9. Society of Neurointerventional Surgery Annual Meeting. Colorado Springs, CO. July 2014.

21. Temnogorod J, Adam C, Shields, C, Kim J, Hayek B, Levin F, Winn B, Vcrek I, Linden C, Choe C, Gonzale M, Fifi J, Berenstein A, Durairak V, Nakra T, Shinder. Dilated Superior Ophthalmic Vein: Features of 113 Cases. American Society of Ophthalmic Plastic & Reconstructive Surgery. Chicago, IL. October 2014.
22. Stein L, Wilson N, Mocco J, Fifi J, Delman B, Tuhirim S. Reliability of detection of intracranial hemorrhage after endovascular intervention for stroke. Academy of Neurology Annual Meeting. Vancouver, BC. April 2016.
23. Wei D, Oxley TJ, Nistal DA, Shoirah H, Chartrain A, Mascitelli JR, Wilson N, Liang J, Awad A, Kellner CP, De Leacy RA, Mayer SA, Tuhirim S, Bederson JB, Mocco J, **Fifi JT**. High THRIVE score predicts mortality but not overall clinical improvement for neurointervention in ischemic stroke. AANS/CNS Joint CV Section Annual Meeting, Houston, TX, February 2017.
24. Wei D, Oxley TJ, Nistal DA, Shoirah H, Mascitelli JR, Wilson N, Liang J, Awad A, Kellner CP, De Leacy RA, Mayer SA, Tuhirim S, Bederson JB, Mocco J, **Fifi JT**. Each minute in the puncture-to-recanalization interval has more weight on clinical outcome than onset-to-puncture. AANS/CNS Joint CV Section Annual Meeting, Houston, TX, February 2017.
25. Wei D, Oxley TJ, Nistal DA, Mascitelli JR, Wilson N, Stein L, Liang J, Turkheimer L, Schwegel C, Awad A, Shoirah H, Kellner CP, De Leacy RA, Mayer SA, Tuhirim S, Bederson JB, Mocco J, **Fifi JT**. Comparison of Three Stroke Delivery Protocols: Efficacy of Mobile Neurointerventional Teams. AANS/CNS Joint CV Section Annual Meeting, Houston, TX, February 2017.
26. Wei D, Oxley TJ, Nistal DA, Shoirah H, Mascitelli JR, Chartrain A, Wilson N, Liang J, Awad A, Kellner CP, De Leacy RA, Mayer SA, Tuhirim S, Bederson JB, Mocco J, **Fifi JT**. Distribution of access to endovascular stroke therapy in New York City. AANS/CNS Joint CV Section Annual Meeting, Houston, TX, February 2017.
27. Wei D, Oxley TJ, Nistal DA, Shoirah H, Chartrain A, Mascitelli JR, Wilson N, Liang J, Awad A, Kellner CP, De Leacy RA, Mayer SA, Tuhirim S, Bederson JB, Mocco J, **Fifi JT**. Direct aspiration thrombectomy has superior procedure times and clinical outcomes compared to stentriever. AANS/CNS Joint CV Section Annual Meeting, Houston, TX, February 2017.
28. Wei D, Oxley TJ, Nistal DA, Shoirah H, Mascitelli JR, Chartrain A, Wilson N, Liang J, Awad A, Kellner CP, De Leacy RA, Mayer SA, Tuhirim S, Bederson JB, Mocco J, **Fifi JT**. Community socioeconomic status and access to endovascular stroke care in New York City-based Hospital Network. AANS/CNS Joint CV Section Annual Meeting, Houston, TX, February 2017.
29. Qing Hao, Jacob Morey, Xiangnan Zhang, Emily Chapman, Reade De Leacy, **Johanna Fifi**. Re-Occlusion During Endovascular Therapy for Acute Stroke Patients With Large Vessel Occlusion. International Stroke Conference, Honolulu, HI, February 2019.
30. Kurt Yaeger, Hazem Shoirah, Akila Pai, J Mocco, Johanna T Fifi. Time From Image Acquisition to Interventional Team Notification: A New Target for Enhancing Acute Stroke Workflow. International Stroke Conference, Honolulu, HI, February 2019.
31. Emily Chapman, Jacob Morey, Qing Hao, Xiangnan Zhang, Reade DeLeacy, Johanna Fifi. Endovascular Therapy in Acute Ischemic Stroke With M2 Occlusion. International Stroke Conference, Honolulu, HI, February 2019.
32. Hazem Shoirah, Laura Stein, Danielle Wheelwright, J Mocco, Stanley Tuhirim, Johanna Fifi. Time Burden of Perfusion Imaging. International Stroke Conference, Honolulu, HI, February 2019.
33. Ghada A Mohamed, Hassan Aboul Nour, Vasu A Saini, Jacob Morey, Andrea Holcombe, Robert Kowalski, Dileep R. Yavagal, Santiago Ortega Gutierrez, Johanna Fifi, Horia Marin, Stephan A Mayer, Daniel Miller. Recurrent Thrombectomy in Patients with Prior Mechanical Endovascular Revascularization: Multicenter Experience. Society of Vascular and Interventional Neurology Annual Meeting. Atlanta, GA. November 2019.

34. Majidi S, Mehta A, Stein L, Mocco J, Fifi JT. Disparities in Utilization of Endovascular Thrombectomy for Acute Ischemic Stroke: Nationwide trends from 2006-2016. Society of Vascular and Interventional Neurology Annual Meeting. Atlanta, GA. November 2019.
35. Brian Giovanni, Liorah Rubenstein, Shahram Majidi, Laura Stein, Johanna T Fifi. Modeling the Impact of Pre-Hospital Triage on a True Life Drip and Ship Thrombectomy Patient Cohort. International Stroke Conference, Los Angeles, CA, February 2020.
36. Shahram Majidi, Mount Sinai Hosp, New York, NY; Amol Mehta, Columbia Univ, New York, NY; Inder P Singh, Hazem Shoirah, Tomoyoshi Shigematsu, Christopher P Kellner, Reade De Leacy, J Mocco, Johanna Fifi. National Trends in Utilization and Outcome of Endovascular Thrombectomy for Acute Ischemic Stroke in Elderly. International Stroke Conference, Los Angeles, CA, February 2020.
37. Fifi JT, Hassan AE, Zaidat OO on behalf of the COMPLETE Study Investigators. First Pass Effect of Thrombectomy with the Penumbra System in Patients with Large Vessel Occlusion Acute Ischemic Stroke: An Analysis of the COMPLETE Registry. European Stroke Organisation World Stroke Organization Virtual Conference. November 2020.
38. Zaidat OO, Fifi JT, Hassan AE. Aspiration Thrombectomy Of Acute Ischemic Stroke Patients With Intracranial Atherosclerotic Disease Or Tandem Lesion. Society of NeuroInterventional Surgery Annual Meeting. Colorado Springs, CO. July 2021.
39. Fifi JT, Hassan AE, Zaidat OO. Aspiration Thrombectomy On Acute Ischemic Stroke Patients With A Low Alberta Stroke Program Early Computerized Tomography Score. Society of NeuroInterventional Surgery Annual Meeting. Colorado Springs, CO. July 2021.