

## CURRICULUM VITAE

### BIOGRAPHICAL

**Name:** Elad I. Levy, MD, MBA,  
FACS, FAHA, FAANS

**Birth Date:** 8/29/1972  
**Birth Place:** Tiberias, Israel  
**Citizenship:** United States

**Home Address:** 888 LeBrun Road  
Amherst, NY 14226  
**Home Phone:** (716) 833-8111

**Office Address:** UB Neurosurgery Inc.  
3980A Sheridan Drive  
Amherst, NY 14226

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### ACADEMIC APPOINTMENTS:

7/01/13 – Present      Professor and Chair of Neurological Surgery  
Neurosurgery Department  
State University of New York at Buffalo

07/01/10 - Present      Professor of Neurosurgery  
Professor of Radiology  
Neurosurgery Department  
State University of New York at Buffalo

7/1/04 – 2010          Associate Professor of Neurosurgery (tenure track)  
Associate Professor of Radiology  
Neurosurgery Department  
State University of New York at Buffalo

### EDUCATION AND TRAINING

#### UNDERGRADUATE:

1989-1993      Dartmouth College                      Molecular Biology/Biochemistry  
Hanover, NH

**GRADUATE:**

1993-1997      George Washington University      MD  
                    School of Medicine  
                    Washington, DC

**POST-GRADUATE:**

1997-1998      University of Pittsburgh      Surgical Internship  
                    Pittsburgh, PA

1998-2004      University of Pittsburgh      Neurosurgical Residency  
                    Pittsburgh, PA

2001-2003      State University of New York at Buffalo      Fellowship in Endovascular Surgery  
                    Buffalo, NY

2011-2013      Northeastern University      MBA  
                    Boston, MA

**APPOINTMENTS AND POSITIONS****NATIONAL COMMITTEES / ASSOCIATIONS:**

2005 – 2008      Fellowship Chair for Congress of Neurological Surgeons

2007              Cerebrovascular Section Representative for the 2007 Congress of Neurological Surgeons (CNS) Annual Meeting Scientific Planning Committee

2007 - 2008      Nominated for Member-at-Large of the 2007 -2008 Congress of Neurological Surgeons (CNS) Executive Committee

2007 – Present      Cerebrovascular Complications Conference Co-Chair, Cerebrovascular Section of the American Association of Neurological Surgeons / Congress of Neurological Surgeons

2007– Present      Endovascular Neurosurgery Research Group (ENRG) Board member and Co-Founder

2007 - 2008      Fellowship Committee Chair, Congress of Neurological Surgeons (CNS)

2008 – Present      American Association of Neurological Surgeons / Congress of Neurological Surgeons (AANS/CNS) Joint Guidelines Committee member

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2008 – Present	Congress of Neurological Surgeons (CNS) Ad Hoc Committee on Best Practices and Ethical Standards
2008 – Present	American Medical Association (AMA) member
2008	Congress of Neurological Surgeons (CNS) Scientific Program Strategic Planning/Oversight Committee
2008	Congress of Neurological Surgeons (CNS) Neurosurgical Forum Committee
2008	Congress of Neurological Surgeons (CNS) Cerebrovascular Section Liaison
2008	Congress of Neurological Surgeons (CNS) Abstract Selection Committee for Cerebrovascular Section
2008	Congress of Neurological Surgeons (CNS) 2009 Practical Course Chair
2008 – Present	American Academy of Neurological Surgery (AANS) member
2009 – Present	Medical Society of the State of New York
2009 – Present	American Association of Neurological Surgeons (AANS) Mentor
2009 – Present	Kaleida Health Medical and Dental Staff Ad Hoc Committee
2009 – Present	Society of Neurointerventional Surgery (SNIS) Membership-Senior Member of the Society
2009 – Present	Oral Board Preparatory Course Instructor
2009- Present	Consultant for the Physician's 'Council for Responsible Reform
2009	Congress of Neurological Surgeons Chair (CNS) for Neurowiki
2010-2011	Congress of Neurological Surgeons (CNS) Ex-Officio Member of the Executive Committee
2010-2011	Congress of Neurological Surgeons (CNS) Chair of the Bylaws Committee
2010-2011	Congress of Neurological Surgeons (CNS) Vice Chair of the CNS University Committee
2010-2013	American Association of Neurological Surgeons (AANS) Information Technology Committee member
2012 – 2015	American Association of Neurological Surgeons (AANS) Development Committee
2012 – Present	Congress of Neurological Surgeons (CNS) Public Relations Subcommittee
2012 – 2013	Congress of Neurological Surgeons (CNS) Vice Chair of the Scientific Planning Committee (SPC)

2012 – Present	Congress of Neurological Surgeons (CNS) Ambassador Program Committee Member
2012 – Present	Congress of Neurological Surgeons (CNS) Industry Allies Council (IAC) Committee Member
2012 – Present	New York State Department of Health and the American Stroke Association, Planning Committee Member for the 5 <sup>th</sup> Annual New York State Stroke Conference On June 6, 2012 in Rochester and Tarrytown, NY
2012 – Present	New England Journal of Medicine Ad Hoc review
2013	Nomination to Serve on American Heart Association/American Stroke Association (AHA/ASA) Writing Group; Inclusion/Exclusion Criteria for IVtPA
2013 - 2014	Medical Society of the State of Pennsylvania
2013 - 2014	Medical Society of Erie County
2013- 2014	Congress of Neurological Surgeons (CNS) Chair of the Scientific Planning Committee (SPC)
2013	Selected by the American Heart Association (AHA) Manuscript Oversight Committee (MOC) to serve on the writing group for a scientific statement entitled “Scientific Rationale for the Inclusion and Exclusion Criteria for Intravenous Thrombolysis”
2014	Selected by the American Board of Neurosurgeons (ABNS) to be a guest examiner at the May 6 through 9,2014 Spring Oral Examinations
2014 – 2015	Congress of Neurological Surgeons (CNS) Chair of the Annual Meeting Committee
2014 – 2015	Congress of Neurological Surgeons (CNS) Senior Advisor, Case Based Learning
2014	Journal of Neurotrauma – Ad Hoc Reviewer

**PROFESSIONAL APPOINTMENTS:**

2004	OR Committee, Millard Fillmore Hospital
2005 – Present	Faculty Practice Management Planning Governing Board Member, State University of New York at Buffalo
2005	Faculty Practice Management Planning Audit Committee, State University of New York at Buffalo
2006 – Present	Director, Stroke Research, Department of Neurosurgery, State University of New York at Buffalo

2006 – Present	Co-Director Cerebrovascular Surgery, Department of Neurosurgery, State University of New York at Buffalo
2006 – Present	Assistant Director: Resident Clinical Education, Department of Neurosurgery, State University of New York at Buffalo
2006 – 2010	Secretary, University at Buffalo Neurosurgery, Inc.
2006 – 2013	Director of Endovascular Fellowship Program, Department of Neurosurgery, State University of New York at Buffalo
2006 – Present	Co-director of Kaleida Health Stroke Center
2006 – Present	Director of Endovascular Stroke Treatment and Research, Department of Neurosurgery, State University of New York at Buffalo
2006 – Present	Director of the Toshiba Neuroendovascular Cath Lab, Department of Neurosurgery, State University of New York at Buffalo
2009 – 2010	Appointed to Health Sciences Institutional Review Board (HSIRB)
2010 – Present	Served on Codman’s Neurovascular Acute Ischemic Stroke Study Advisory Board
2010 – 2012	Reappointment to the Health Sciences Institutional Review Board (IRB)
2011 – 2014	Service to the University ad hoc Committee for unqualified (tenure promotions)
2013	Kaleida Utilization Management Physician Leader

**NON-ACADEMIC APPOINTMENTS:**

2001-2003	University of Buffalo, SUNY Buffalo, NY	Visiting Fellow
2009	Scientific Staff Buffalo Police Department	
2010 – Present	Founder and President of “Program for Understanding Childhood Concussion & Stroke” (PUCCS) As of 2013 raised 300k for this charity	
2013-2014	NFL Unaffiliated Neurotrauma Consultant (Buffalo Bills Home Games)	
2014-2015	NFL Unaffiliated Neurotrauma Consultant (Buffalo Bills Home Games)	

**CERTIFICATION AND LICENSURE**

**SPECIALTY CERTIFICATION:**

***-Status: Board Certified***

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*Diplomate of the American Board of Neurological Surgery*

Passed Oral Board Examination

May 23, 2007

American Board of Neurological Surgery (written)  
(Passed 95<sup>th</sup> percentile)

2001

**MEDICAL/PROFESSIONAL LICENSURE**

Commonwealth of Pennsylvania  
State of New York  
Commonwealth of Massachusetts

MD-068575L  
220891-1  
242239

8/4/99 – Present  
8/1/01- Present  
1/6/10- Present

**HOSPITAL AFFILIATIONS:**

**Kaleida Health**

**Buffalo General Hospital**, Buffalo NY

Staff Status: Attending  
Dates: 7/01/04 – Present

**Kaleida Health**

**DeGraff Memorial Hospital**, North Tonawanda NY

Staff Status: Attending  
Dates: 7/01/04 - Present

**Kaleida Health**

**Millard Fillmore Suburban Hospital**, Williamsville NY

Staff Status: Attending  
Dates: 7/1/04 – Present

**Kaleida Health**

**Women & Children's Hospital of Buffalo**, Buffalo NY

Staff Status: Attending  
Dates: 7/1/04 – Present

**Strong Health, University of Rochester Medical Center**, Rochester NY

Staff Status: Attending  
Dates: 9/05 – Present

**Olean General Hospital**, Olean NY

Staff Status: Consulting Staff  
Dates: 9/27/06 – Present

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**Medina Memorial Health Care System, Medina, NY**

Staff Status: Telestroke Staff

Dates: 9/26/06 – Present

**Brooks Memorial Hospital, Dunkirk NY**

Staff Status: Consulting

Dates: 12/17/07 – Present

**TLC Health Network, Irving NY**

Staff Status: Provisional Consultant

Dates: 2/27/07 – Present

**Wyoming County Community Hospital, Warsaw, NY**

Staff Status: Telemedicine Privileges

Dates: 6/27/07 – Present

**United Memorial Medical Center, Batavia NY**

Staff Status: Provisional Telemedicine

Dates: 06/27/07 – Present

**St. Joseph Hospital, Cheektowaga, NY**

Staff Status: Courtesy

Dates: 9/1/09 – Present

**Sisters of Charity Hospital, Buffalo NY**

Staff Status: Courtesy

Dates: 10/31/07 – Present

**Mercy Hospital of Buffalo, Buffalo, NY**

Staff Status: Active

Dates: 10/1/09 – Present

**Kenmore Mercy Hospital, Kenmore NY**

Staff Status: Active

Dates: 10/1/09 - Present

**WCA Hospital, Jamestown NY**

Staff Status: Consulting

Dates: 04/28/08 – Present

**Bertrand Chaffee Hospital, Springville NY**

Staff Status: Consulting

Dates: 8/26/08 - Present

**MEMBERSHIPS IN PROFESSIONAL AND SCIENTIFIC SOCIETIES**

1999 – Present

Member of American Association of Neurological Surgeons (AANS)

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2006 – Present	Member of Congress of Neurological Surgeons (CNS)
2007 – Present	Ex officio member, Executive Council, AANS/CNS Cerebrovascular Section
2008 – Present	Fellow of the American College of Surgeons (FACS)
2009 - Present	Fellow of the American Heart Association/American Stroke Association (FAHA)
2010 - Present	Congress of Neurological Surgeons (CNS), Compliance & Ethics Committee Chair
2012 – Present	Ex-Officio and University Chair of Congress of Neurological Surgeons (CNS)
2012 – 2013	Member of the Information Technology Committee for American Association of Neurological Surgeons (AANS)
2012 – 2015	Appointment to the Development Committee for American Association of Neurological Surgeons (AANS)
2012- Present	Vice Chair Scientific Planning Committee CV Program for Congress of Neurological Surgeons (CNS)
2014	Chairman Scientific Planning Committee Program for Congress of Neurological Surgeons (CNS)
2015	Annual Meeting Chairman for Congress of Neurological Surgeons (CNS)

### **HONORS/AWARDS**

State University of New York “Chancellor’s Award” for Excellence in Scholarship and Creative Activities.	2014
Kaleida Health “Spirit Award” recognizing significant and spirited Support of Kaleida Health and all Dr. Levy’s contributions to seek to improve the health of the Western New York Community.	2014
Best of Amherst Award – Physicians	2014
Recipient of the “2014 Hero of the Heart” Award for the American Heart Association in Western New York Recognized as a “world renowned physician”. Given to community members who help spread the American heart Association’s lifesaving mission	2014
Showcased in Buffalo Spree Magazine as one of “America’s Top Doctors”	2014
Showcased in Buffalo Spree Magazine as one of the “Top Docs” in Buffalo and Western New York	2013
D’Youville College Achievement in Health Care Award (recognizes individuals who have Made significant contributions to the health care profession in Western New York)	2013
George Thorn Young Investigator Award from UB School of Medicine	2012
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(Award given only when faculty of exceptional talent, and less than 45 years of age have been identified)

MDx Medical Inc. Patients' Choice Recognition	2010
Business First – Top 50 Doctors in Western New York	2009
MDx Medical Inc. Patients' Choice Recognition	2009
Thomas J. Linnemeier Spirit of Interventional Cardiology Young Investigator Award (Runner-Up)	2008
Alpha Omega Alpha Summer Fellowship for participation on research proposal on Stretch-Activated Channels and Vascular Remodeling	2008
Louise Eisenhardt Award presented at the American Association of Neurological Surgeons Annual Meeting for: Continuous Magnesium infusion for cerebral vasospasm prophylaxis in aneurismal subarachnoid hemorrhage.	2005
Resident Teaching Award, Department of Neurosurgery at the University of Pittsburgh	2003-2004
AANS/CNS Joint Cerebrovascular Section Mullen Endovascular Fellowship Award	2002-2003
Annual Meeting of the Southern Neurosurgical Society Award for Best Paper in the Basic Science Category (awarded for the histological response of cerebral vessels after randomized blinded implantation of heparin-coated and uncoated endoluminal stents)	2003
Graduate with Distinction, Doctor of Medicine George Washington University, Washington DC	1997
Kane-King-Dodek Society (elected active fellow)	1997
Walter Freeman Award (for best medical student paper based on original investigation)	1997
Beaumont Society Dr. Harold Lamport Biomedical Research Award (For meritorious research completed during medical training at G.W.U.M.C.)	1996
Beaumont Society Poster Presentation Award (for medical student poster presentation of data concerning cytokine production by meningiomas and other brain neoplasms)	1995
Gill Foundation Fellowship (summer research fellowship awarded to first year medical students)	1994
Presidential Scholar Research Assistantship Department of Molecular Biology Dartmouth College	1992
Dartmouth College Presidential Citation (for distinguished research in the social sciences)	1991

## PUBLICATIONS

### PUBLICATIONS AS FIRST AUTHOR – PEER REVIEWED

1. **Levy EI**, Paino JE, Caputy AJ, Sarin PS, Goldstein AL, Wright DC, Sekhar. ELISA Quantification of Cytokine Concentrations in Human Meningiomas. *Neurosurgery* 1996 39(4): 823-829.
2. **Levy EI**, Resnick DK, Jannetta PJ, Bissonette DJ. Pediatric Hemifacial Spasm: The Efficacy of Microvascular Decompression. *Pediatric Neurosurgery* 1998 27: 238-241.
3. **Levy EI**, Firlik AD, Kanal E, Rubin G, Kirby L, Yonas H. Development of Obstructive Hydrocephalus Following LP Shunting for Communicating Hydrocephalus Secondary to Subarachnoid Hemorrhage from Ruptured Aneurysms. *Journal of Clin Neurology and Neurosurgery* 1999 101(2):79-85.
4. **Levy EI**, Clyde B, McLaughlin MR, Jannetta PJ. Microvascular Decompression for Severe Refractory Hypertension. *Neurosurgery* 1998 43(1):1-6.
5. **Levy EI**, Firlik AD, Wisniewski S, Rubin G, Jungreis CA, Wechsler LR, Yonas H. Factors affecting survival rates for acute vertebrobasilar artery occlusions treated with intra-arterial thrombolytic therapy: a meta-analytical approach. *Neurosurgery* 1999 45(3):539-45.
6. **Levy EI**, Rubin G, Scarrow AM, Kanal E, Yonas H, Kirby L. Reversible Ischemia Determined By Xenon-enhanced CT Scan After Ninety Minutes of Complete Basilar Artery Occlusion. *AJNR* 1998 19:1943-1946.
7. **Levy EI**, Scarrow AM, Firlik AD, Kanal E, Rubin G, Kirby L, Yonas H. Development of obstructive hydrocephalus with lumboperitoneal shunting following subarachnoid hemorrhage. *Clin Neurol Neurosurg* 1999 101:79-85.
8. **Levy EI**, Scarrow A, Hamilton RC, Wollman MR, Fitz C, Pollack IF. Medical management of eosinophilic granuloma of the cervical spine. *Pediatric Neurosurgery* 1999 31(3):159-62.
9. **Levy EI**, Heiss JD, Kent MS, Riedel CJ, Oldfield EH. Spinal cord swelling preceding syrinx development. Case report. *Journal of Neurosurgery* 2000 92(1 Suppl): 93-7.
10. **Levy EI**, Niranjan A, Thompson TP, Scarrow AM, Kondziolka D, Flickinger JC, Lunsford LD. Radiosurgery for childhood intracranial arteriovenous malformations. *Neurosurgery* 2000 47(4):834-41.
11. **Levy EI**, Scarrow AM, Jannetta PJ. Microvascular decompression in the treatment of hypertension: review and update. *Surgical Neurology* 2001 55(1):2-10.
12. **Levy EI**, Horowitz MB, Cahill AM. Lingual artery embolization for severe and uncontrollable postoperative tonsillar bleeding. *Ear Nose Throat Journal* 2001 80(4):208-11.
13. **Levy EI**, Horowitz MB, Koebbe CJ, Jungreis C, Pride GL, Dutton K, Purdy PD. Transluminal stent-assisted angioplasty of the intracranial vertebrobasilar system for medically refractory, posterior circulation ischemia: early results. *Neurosurgery* 2001 48(6):1215-1223.

14. **Levy EI**, Yonas H. Cerebral Revascularization for Cerebral Ischemia and Stroke Prevention in Patients with Atherosclerotic Occlusive Disease: Defining the Population that Benefits. *Neurosurgery Clinics of North America*. 2001 12(3):489-98.
15. **Levy EI**, Harris AE, Omalu BI, Hamilton RL, Branstetter BF, Pollack IF. Sudden death from fulminant acute cerebellitis. *Pediatric Neurosurgery* July 2001 35(1):24-8.
16. **Levy EI**, Koebbe CJ, Horowitz MB, Jungreis C, Pride GL, Dutton K, Kassam A, Purdy PD. Rupture of intracranial aneurysms during endovascular coiling. Management and outcomes. *Neurosurgery* 2001 49: 807-813.
17. **Levy EI**, Boulos AS, Bendok BR, Kim SH, Horowitz MB, Qureshi AI, Guterman LR, Hopkins LN. Intracranial stenting for cerebrovascular pathology. *Contemporary Neurosurgery* 2001 23 (25): 1-9.
18. **Levy EI**, Horowitz MB, Koebbe C, Jungreis CC. Target specific trimodal endovascular management of carotid blowout syndrome: Case report. *ENT Journal* 2002 81(2):115-8.
19. **Levy EI**, Boulos AS, Guterman LR. Stent-assisted endoluminal revascularization for the treatment of intracranial atherosclerotic disease. *Neurological Research* 2002 24(4):337-46.
20. **Levy EI**, Boulos AS, Bendok BR, Kim SH, Qureshi AI, Guterman LR, Hopkins LN. Transradial cerebral angiography: an alternative route. *Neurosurgery* 2002 51:335-342, 2002.
21. **Levy EI**, Boulos AS, Bendok BR, Kim SH, Qureshi AI, Guterman LR, Hopkins LN. Brainstem infarction after delayed thrombosis of a stented vertebral artery fusiform aneurysm: Case Report. *Neurosurgery* November 2002 51(5):1280-5.
22. **Levy EI**, Bendok BR, Boulos AS, Qureshi AI, Guterman LR, Hopkins LN. Endovascular surgery: the future without limits. *Clin Neurosurg* 2002; 49:229-46.
23. **Levy EI**, Hanel RA, Bendok BR, Boulos AS, Hartney ML, Guterman LR, Qureshi AI, Hopkins LN. Staged stent-assisted angioplasty for symptomatic intracranial vertebrobasilar artery stenosis. *J Neurosurg*. 2002 Dec; 97(6):1294-301.
24. **Levy EI**, Boulos AS, Hanel RA, Fermin T, Alberico RA, Franckowiak MD, Nemes B, Paciorek AM, Guterman LR, Hopkins LN. In vivo model of intracranial stent implantation: a pilot study examining the histological response of cerebral vessels following randomized blinded implantation of heparin-coated and uncoated endoluminal stents. *J Neurosurg* March 2003 98(3):544-53.
25. **Levy EI**, Kim SH, Bendok BR, Qureshi AI, Guterman LR, Hopkins LN: Transradial Stenting of the Cervical Internal Carotid Artery: Technical Case Report. *Neurosurgery* August 2003 53(2):448-52.
26. **Levy EI**, Hanel R, Boulos AS, Bendok BR, Kim SH, Gibbons KJ, Qureshi AI, Guterman LR, Hopkins LN. Comparison of periprocedure complications resulting from direct stent placement compared with those due to conventional and staged stent placement in the basilar artery. *J Neurosurg* October 2003 99(4):653-660.
27. **Levy EI**, Hanel R, Howington J, Nemes B, Boulos A, Tio F, Paciorek AM, Amlani S, Kagan-Hallett K, Duffy Fronckowiak, Guterman L, Hopkins L: Sirolimus-eluting stents in the canine cerebral vasculature: A prospective, randomized, blinded study assessing safety and vessel response. *J Neurosurg*. 2004 Apr; 100(4):688-94.

28. **Levy EI**, Horowitz M, Jovin T, Kassam A. Successful management of post tumor resection middle cerebral artery thrombosis with angioplasty/stenting and low dose intra-arterial/intravenous IIb/IIIa inhibitor infusion: Case Report. *Neurosurgery*. 55(3):713,Sept. 2004.
29. **Levy EI**, Hopkins LN: Emergency Stent Placement for Symptomatic Acute Carotid Artery Occlusion After Carotid Endarterectomy. *J Neurosurg* 101:151-153, July 2004.
30. **Levy EI**, Hanel RA, Lau T, Koebbe CJ, Levy N, Padalino DJ, Malicki K, Guterman LR, Hopkins LN: Frequency and Management of Recurrent Stenosis After Carotid Stent Implantation. *J Neurosurg* 102: 29-37, January 2005.
31. **Levy EI**, Howington JU, Engh JA, Hanel RA, Levy N, Kim SH, Gibbons KJ, Guterman LR, Hopkins LN: Submaximal Angioplasty and Staged Stenting for Severe Posterior Circulation Intracranial Stenosis: A Technique in Evolution. *Neurocrit Care* 2:189-197, April 2005.
32. **Levy EI**: New Minimally Invasive Surgical Technique Moves Lumbar Spinal Fusion to the Cath Lab. *Cath Lab Digest* (Special Clinical Issue), 13 (8) August 2005.  
[www.cathlabdigest.com/cld/displayArticle.cfm?articleID=article4552](http://www.cathlabdigest.com/cld/displayArticle.cfm?articleID=article4552)
33. **Levy EI**, Ecker RD, Hanel RA, Sauvageau E, Wehman JC, Guterman LR, Hopkins LN: Acute M2 Bifurcation Stenting for Cerebral Infarction: Lessons Learned from the Heart. *Neurosurgery* 58:2006.
34. **Levy EI**, Ecker RD, Horowitz MB, Gupta R, Hanel RA, Sauvageau E, Jovin TG, Guterman LR, Hopkins LN: Stent-Assisted Intracranial Recanalization for Acute Stroke: Early Results. *Neurosurgery* 58:458-463, March 2006.
35. **Levy EI**, Ecker RD, Hanel RA, Sauvageau E, Wehman JC, Guterman LR, Hopkins LN: Acute M2 Bifurcation Stenting for Cerebral Infarction: Lessons Learned from the Heart: Technical Case Report *Neurosurgery* 58:E588, March 2006.
36. **Levy EI**, Hanel RA, Tio FO, Garlick DS, Bailey L, Cunningham MR, Williard C, Sherman D, Dooley JF, Kopia GA: Safety and Pharmacokinetics of Sirolimus-eluting Stents in the Canine Cerebral Vasculature – 180-day Assessment. *Neurosurgery* 59:925-934, October 2006.
37. **Levy EI**, Sauvageau E, Hanel RA, Parikh R, Hopkins LN: Self-expanding versus Balloon-mounted Stents for Vessel Recanalization Following Embolic Occlusion in the Canine Model: Technical Feasibility Study. *AJNR Am J Neuroradiol* 27:2069-2072, Nov-Dec 2006.
38. **Levy EI**, Mehta R, Gupta R, Hanel RA, Chameczuk AJ, Fiorella D, Woo HH, Albuquerque FC, Jovin TG, Horowitz MB, Hopkins LN: Self-expanding Stents for Recanalization of Acute Cerebrovascular Occlusions. *AJNR Am J Neuroradiol* 28:816-822, May 2007.
39. **Levy EI**, Turk AS, Albuquerque FC, Niemann DB, Aagaard-Kienitz B, Pride GL Jr, Purdy PD, Welch B, Woo H, Rasmussen PA, Hopkins LN, Masaryk TJ, McDougall CG, Fiorella DJ: Wingspan In-stent Restenosis and Thrombosis: Incidence, Clinical Presentation, and Management (Rapid Communication). *Neurosurgery* 61:644-651, September 2007.
40. **Levy EI**, Mocco J, Samuelson RM, Ecker RD, Jahromi BS, Hopkins LN: Optimal Treatment of Carotid Artery Disease. *J Am Coll Cardiol* 51: 979-985, March 2008.

41. **Levy, EI**, Siddiqui AH, Crumlish A, Snyder KV, Hauck EF, Fiorella DJ, Hopkins LN, Mocco J: First FDA-approved Prospective Trial of Primary Intracranial Stenting for Acute Ischemic Stroke: SARIS (Stent-Assisted Recanalization in acute Ischemic Stroke). Accepted for publication in *Stroke* on July 28<sup>th</sup>, 2009.
42. **Levy EI**, Siddiqui AH, Crumlish A, Snyder KV, Hauck EF, Fiorella DJ, Hopkins LN, Mocco J: First Food and Drug Administration-Approved Prospective Trial of Primary Intracranial Stenting for Acute Stroke: SARIS (Stent-Assisted Recanalization in Acute Ischemic Stroke). *Stroke* 40:3552-3556, November 2009 (epub August 20, 2009 doi: 10.1161/STROKEAHA.109.561274).
43. **Levy EI**, Natarajan SK, Siddiqui AH, Snyder KV, Hauck EF, Mocco J, Hopkins LN. Current Perspective on Self-Expanding Intracranial Stents for Acute Ischemic Stroke and a Preview of the First FDA-approved Prospective Trial (SARIS). *Endovascular Today*. Publication Status: In Press.
44. **Levy EI**, Siddiqui AH, Hopkins LN: Response to Lanzino G, D’Urso PI: Carotid Dissections (Editorial). *J Neurosurg* 115:90, July 2011 (epub, March 18, 2011 DOI 10.3171/2010.11.JNS10696).
45. **Levy EI**, Rahman M, Khalessi AA, Beyer PT, Natarajan SK, Hartney ML, Fiorella DJ, Hopkins LN, Siddiqui AH, Mocco J: Midterm Clinical and Angiographic Follow-Up for the First Food and Drug Administration-Approved Prospective, Single-arm Trial of Primary Stenting for Stroke: SARIS (Stent-Assisted Recanalization for Acute Ischemic Stroke). *Neurosurgery* **69:915-920**, October 2011 (epub May 5, 2011 DOI 10.1227/NEU.0b013e318222afd1).
46. **Levy EI**: 2013 CNS Annual Meeting Honored Guest: L. Nelson Hopkins. *Congress Quarterly CNSQ* 14:6, Fall 2013.

#### **PUBLICATIONS AS SENIOR AUTHOR – PEER REVIEWED**

1. Horowitz MB, **Levy EI**. Endovascular management of wide neck aneurysms. *Contemporary Neurosurgery* 2001 23(8):1-9.
2. Sauvageau E, **Levy EI**: Self-expanding Stent-assisted Middle Cerebral Artery Recanalization: Technical Note *Neuroradiology* 48:405-408, June 2006; April 19, 2006 [Epub ahead of print.].
3. Meng H, Swartz DD, Wang Z, Hoi Y, Kolega J, Metaxa EM, Szymanski MP, Yamamoto J, Sauvageau E, **Levy EI**. A Model System for Mapping Vascular Responses to Complex Hemodynamics at Arterial Bifurcations in Vivo. (Rapid Communication). *Neurosurgery* 59:1094-1101, November 2006.
4. Veznedaroglu E, **Levy EI**: Endovascular Management of Acute Symptomatic Intracranial Arterial Occlusion. *Neurosurgery Supplement* 59:S3-242–S3-250, November 2006.
5. Ionita CC, Yamamoto J, Tummala RP, **Levy EI**: MRI Assessment Followed by Successful Mechanical Recanalization of a Complete Tandem (Internal Carotid/Middle Cerebral Artery) Occlusion and Reversal of a 10-Hour Fixed Deficit. *J Neuroimaging* 18:96-98, January 2008.

6. Tummala RP, Ecker RD, **Levy EI**: Variant of Subclavian Steal in the Setting of Ipsilateral Common Carotid Artery Occlusion – Case Report. *J Neuroimaging* 19:271-273, July 2009 (epub August 4, 2008; DOI:10.1111/j.1552-6569.2008.00283).
7. Sharma, J, Mocco J, Siddiqui AH, **Levy EI**: Intracranial and Vertebral Artery Angioplasty and Stenting(chapter 15), in Walser EM, Morgan R (eds): *Techniques of Angioplasty, Stenting and Thrombolysis*, New York (NY), Springer Publishing (submitted August 26, 2008).
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24. Nogueira R, Liebeskind D, Gupta R, **Levy E**, Rai A, Barreto A, Zaidat O, Janjua N, Abou-Chebl A, Yavagal D, Rymer M, Baxter B, Furlan A, Jovin T: Preliminary Data for the DAWN Trial (DWI/PWI and CTP Assessment in the Triage of Wake-Up and Late Presenting Strokes Undergoing Neurointervention): Imaging-based Endovascular Therapy for Proximal Anterior Circulation Occlusions beyond 8 H from Last Seen Well in 193 Stroke Patients (abstract 030). *Journal of Interventional Surgery* 1:85, July 2009. Oral Presentation (abstract 2008-A-72-SNIS), *6<sup>th</sup> Annual Meeting of the Society of NeuroInterventional Surgery (SNIS)*, Boca Raton, FL, July 23-31, 2009.
25. Mathews MS, Sharma J, Snyder K, Ionita CC, Siddiqui AH, Hopkins LN, **Levy EI**. The Safety and Efficacy of Intra-Arterial Intervention in the First Three Hours of Acute Ischemic Strokes. 2009 AANS Annual Meeting. San Diego, California. May 2-6, 2009.

26. Tawk RG, Siddiqui AH, **Levy EI**, Hopkins LN: Primary Intracranial Stenting for Acute Stroke: Early Results and When and When Not to Do it (abstract). Oral Presentation, *Veith Symposium*, New York City NY, November 18-22, 2009.
27. Khalessi AA, Siddiqui AH, **Levy EI**, Hopkins LN: What Technical Maneuvers Can Help the CAS Operator Deal with Inability to Retrieve Filters, No Flow Through the Filter, Heavily Calcified Lesions, and Intolerance to Flow Arrest? (abstract) Oral Presentation, *Veith Symposium*, New York City NY, November 18-22, 2009.
28. Natarajan SK, Karmon Y, Ohta H, Hopkins LN, Siddiqui AH, **Levy EI**: Endovascular Treatment of Patients with Intracranial Stenosis and Moyamoya Collaterals (abstract 2997) presentation 119). Oral Presentation, *International Stroke Conference 2010*, San Antonio TX, February 25, 2010.
29. Gupta R, Nogueira R, Jovin T, **Levy E**, Rai A, Liebeskind D, Hsu D, Rymer M, Zaidat O, Tayal A, Lin R, Natarajan S, Nanda A, Hirsch J, Abou-Chebl A, Kalia J, Nguyen T, Chen M, Yoo A: Asymptomatic Intracranial Hemorrhage after Endovascular Therapy for Acute Ischemic Stroke is Associated with Worse Outcomes (abstract 0-023). *J NeuroInterv Surg* 2 (suppl 1):A10-A11, July 2010. Oral Presentation, *7th Annual Meeting of the Society of NeuroInterventional Surgery (SNIS)*, Carlsbad CA, July 26-30, 2010.
30. Nogueira R, **Levy EI**, Gounis M, Siddiqui A, Duckwiler G: The Trevo Device: Preclinical Data of a Novel Stroke Thrombectomy Device in Two Different Animal Models of Arterial Thrombo-Occlusive Disease (abstract 0-025). *J NeuroInterv Surg* 2 (suppl 1):A11-A12, July 2010. Oral Presentation, *7th Annual Meeting of the Society of NeuroInterventional Surgery (SNIS)*, Carlsbad CA, July 26-30, 2010.
31. Owais M, Zaidat O, Nogueira R, **Levy E**, Xavier A, Linfante I, Gupta R, Edgler R, Nguyen T, Mueller-Kronast N, Tong FC, Hsu DP, Dion JE, Cawley CM, Batista LM, Natarajan S, Rayes M, Etezadi V, Chowdhry S, Norbashi A: Clinical Outcome in Stent versus Balloon Assisted Unruptured Aneurysm Coiling in the ECOSA Multicenter Study (abstract 0-024). *J NeuroInterv Surg* 2 (suppl 1):A11, July 2010. Oral Presentation, *7th Annual Meeting of the Society of NeuroInterventional Surgery (SNIS)*, Carlsbad CA, July 26-30, 2010.
32. Rudin S, Ionita C, Jain A, Wang W, Bednarek D, **Levy E**, Siddiqui A, Hopkins LN.: The Clinical Micro-Angiographic Fluoroscope (MAF): a High-Resolution Vascular Imager for Interventional Guidance and Diagnosis (abstract 11004509). 3-21-11 Dr. Rudin submitted to be considered for formal (paper) presentation at *RSNA 2011 97<sup>th</sup> Scientific Assembly and Annual Meeting*, Chicago IL, November 27-December 2, 2011.
33. Natarajan, SK, Karmon Y, Snyder KV, Ohta H, Hauck EF, Hopkins LN, Siddiqui AH, **Levy EI**: Endovascular Therapy for Acute Ischemic Stroke in a Real-World Setting: Results of the University at Buffalo Endovascular Stroke Registry (abstract 2771, poster P33). Poster Presentation, *International Stroke Conference 2010*, San Antonio TX, February 24-26, 2010.
34. Natarajan SK, Ogilvy CS, Hopkins LN, Siddiqui AH, **Levy EI**: Initial Experience with a Second-generation Everolimus-Eluting Stent for Treatment of Intracranial Atherosclerosis (abstract 2817, presentation P230). Poster Presentation, *International Stroke Conference 2010*, San Antonio TX, February 24-26, 2010.
35. Xiang J, Natarajan SK (co-first author), Tremmel M, Ma D, Mocco J, Hopkins LN, Siddiqui AH, **Levy EI**, Meng H: Hemodynamic-Morphologic Discriminants for Intracranial Aneurysm Rupture

- (abstract 1943). 10/14/10 Accepted for Moderated Poster Presentation at the *2011 International Stroke Conference*, Los Angeles CA, February 9-11, 2011 (abstract to be published in the February 2011 issue of *Stroke*).
36. Natarajan SK, Ionita CN, Wang W, Hopkins LN, **Levy EI**, Siddiqui AH, Bednarek DR, Rudin S: Evaluation of a New Self-expanding Variable Porosity Flow-diverter (V-POD) in a Rabbit Elastase Aneurysm Model. *Stroke* 42 (abstr 7):e44-45, March 2011. Oral Presentation (abstr 1942), *2011 International Stroke Conference*, Los Angeles CA, February 9-11, 2011.
  37. Natarajan SK, Xiang J, Tremmel M, Ma D, Mocco J, Hopkins LN, Siddiqui AH, **Levy EI**, Meng H: Hemodynamic-Morphologic Discriminants for Intracranial Aneurysm Rupture. *Stroke* 42 (abstr Th MP8):e139, March 2011. Moderated Poster Presentation (abstr 1943), *2011 International Stroke Conference*, Los Angeles CA, February 9-11, 2011.
  38. **Levy EI**, Khalessi AA, Beyer PT, Natarajan SK, Hartney ML, Hopkins LN, Siddiqui AH, Fiorella DJ, Rahman M, Mocco J: Reply to Gonzalez et al. "Primary Stenting for Stroke" (Response to Letter to the Editor re: Midterm Clinical and Angiographic Follow Up for the First FDA-approved Prospective, Single-arm Trial of Primary Stenting for Stroke: SARIS [Stent-Assisted Recanalization for Acute Ischemic Stroke]) *Neurosurgery* 69:E1338-1339, December 2011 (epub August 20, 2011 DOI 10.1227/NEU.0b013e3182338b87).
  39. Chimowitz MI, Lynn MJ, Derdeyn CP, Turan TN, Fiorella D, Lane BF, Janis LS, Lutsep HL, Barnwell SL, Waters MF, Hoh BL, Hourihane JM, **Levy EI**, Alexandrov AV, Harrigan MR, Chiu D, Klucznik RP, Clark JM, McDougall CG, Johnson MD, Pride GL Jr, Torbey MT, Zaidat OO, Rumboldt Z, Cloft HJ, for the SAMMPRIS Trial Investigators: Stenting versus Aggressive Medical Therapy for Intracranial Arterial Stenosis. *New Engl J Med* (epub September 7, 2011 DOI 10.1056/NEJMoal105335).
  40. Kan P, **Levy EI**, Siddiqui AH, Hopkins LN, Webb SW, Yashar P, Jahshan S, Orion D : Feasibility, Safety, and Periprocedural Complications Associated with Endovascular Treatment of Ruptured Aneurysms Under Conscious Sedation and Local Anesthesia (abstract 917). *Neurosurgery* 69:491, August 2011. Accepted for Oral Presentation, *Congress of Neurological Surgeons Annual Meeting*, Washington DC; October 3, 2011 2:24-2:33 PM.
  41. Webb S, Yashar P, Kan P, Siddiqui AH, Hopkins LN, **Levy EI**: Treatment and Outcomes of Acute Vertebrobasilar Artery Occlusion: One Institution's Experience (abstract 31). Accepted for Interactive Oral Poster Presentation, CNS Neurosurgical Forum of the Section on Cerebrovascular Surgery Neurosurgical Forum, *Congress of Neurological Surgeons Annual Meeting*, Washington DC; October 1-6, 2011. (Oral presentation to be given October 3, 2011).
  42. Derdeyn C, Fiorella D, Lynn M, **Levy E**, Hoh B, Barnwell S, Pride L, Zaidat O, Cloft H, McDougall C, Klucznik R, Lane B, Turan T, Janis S, Chimowitz M: Detailed Analysis of the 30-day Outcomes in the Stenting Arm of the SAMMPRIS Trial (oral presentation abstract 208). *Stroke* 43:A208, February 2012.
  43. Kass-Hout O, Kass-Hout T, Mokin M, Orion D, Jahshan S, Yashar P, **Levy E**, Siddiqui A, Snyder K: The Role of Bridging with Intravenous Thrombolysis in Endovascular Therapy of Acute Ischemic Stroke (poster presentation abstract 3314). *Stroke* 43:A3314, February 2012.
  44. Kass-Hout T, Mokin M, Kass-Hout O, Nourollahzadeh E, Wack D, Siddiqui A, **Levy E**, Snyder K: CT Perfusion as a Tool to Predict the Risk of Hemorrhagic Transformation in Ischemic Stroke

- Treated with Tissue Plasminogen Activator: A Single Center Experience (poster presentation abstract 3268). *Stroke* 43:A3268, February 2012.
45. Mokin M, Kan P, Abla A, Dumont T, Jahshan S, Eller J, Kass-Hout T, Kass-Hout O, Ho M-J, Snyder K, Siddiqui A, Hopkins L, **Levy E**: Endovascular Intervention versus Standard Medical Therapy for Patients Presenting with Large Acute Ischemic Strokes – A Large Single Center Experience (oral presentation abstract 137). *Stroke* 43:A137, February 2012.
  46. Mokin M, Kass-Hout T, Kass-Hout O, Kan P, Siddiqui A, **Levy E**, Snyder K: Intravenous Heparin for the Treatment of Intraluminal Thrombus in Patients with Acute Ischemic Stroke (poster presentation abstract 2851). *Stroke* 43:A2851, February 2012.
  47. Nourollahzadeh E, Kass-Hout O, Mokin M, Aliotta R, Snyder K, Siddiqui A, **Levy E**, Kass-Hout T: Correlation Between Recanalization Rate and Good Clinical Outcome in Acute Ischemic Stroke, A Meta-analysis. (poster presentation abstract 3798). *Stroke* 43:A3798, February 2012.
  48. Dumont, T, Siddiqui AH, **Levy, EI** : A proposed grading system for endovascular treatment of cerebral arteriovenous malformations (abstract 1104). Accepted for Digital
  49. Dumont TM, Eller JL, Mokin M, Snyder KV, Hopkins LN, **Levy EI**, Siddiqui AH: Transfemoral, Endovascular Treatment of Atherosclerotic Stenotic Lesions of the Left Common Carotid Artery Ostium: Case Series and Review of the Literature. Accepted for publication in *J Neurointerv Surg* on October 1, 2012.
  50. Poster category for the Section on Cerebrovascular Surgery Neurosurgical Forum at the, *Congress of Neurological Surgeons Annual Meeting*, Chicago, Illinois; October 6-10, 2012.
  51. Dumont T, Siddiqui AH, **Levy, EI**: Revisiting Angioplasty without Stenting for Symptomatic Intracranial Atherosclerotic Stenosis after the Stenting and Aggressive Medical management for Preventing Recurrent stroke in Intracranial Stenosis (SAMMPRIS) Study (abstract 321). Accepted for Digital Poster category for the Section on Cerebrovascular Surgery Neurosurgical Forum at the *Congress of Neurological Surgeons Annual Meeting*, Chicago, Illinois, October 6-10, 2012
  52. Mokin M, Dumont T, Veznedaroglu E, Binning M, Fessler R, To CY, Turner RD, Turk AS, Chaudry I, Arthur AS, Fox BD, Hanel RA, Tawk RG, Kan P, Gaughen J, Lanzino G, Lopes D, Chen M, Moftakhar R, Billingsley JT, Snyder K, Siddiqui A, Hopkins N, **Levy E** (poster abstract TP9): Solitaire FR Thrombectomy for Acute Stroke: Real-world Experience after FDA Approval (poster abstract TP9). *Stroke* 44:ATP9, February 2013.
  53. Mokin M, Kass-Hout T, Kass-Hout O, Veznedaroglu E, Nahab F, Khoshnoodi MA, Lopes D, Chen M, Seals K, Shallwani H, Snyder K, Siddiqui A, **Levy E**: Clinical Outcomes in Patients with Acute Ischemic Stroke Due to Large Vessel Occlusion in the Modern Era: 2010-2011 Experience with 423 Patients (poster abstract TP19). *Stroke* 44:ATP19, February 2013.
  54. Natarajan S, Dumont T, Eller J, Kelly W, Seals K, Snyder KV, Hopkins LN, Siddiqui AH, **Levy EI**: Enterprise-assisted Recanalization in Acute Ischemic Stroke (ERAIS): First FDA Approved Prospective Trial (poster abstract TP26). *Stroke* 44:ATP26, February 2013.

55. Kass-Hout T, Dumont T, Mokin M, Kass-Hout O, Wach M, Snyder K, Siddiqui A, **Levy E**: Is Sooner Better When it Comes to Carotid Artery Stenting in Patients with Transient Ischemic Attack (TIA) or Minor Stroke: Prospective Observational Study (oral abstract 165). *Stroke* 44:A165, February 2013.
56. C Ionita, D Bednarek, T Dumont, A Siddiqui, **E Levy**, K Snyder, S Rudin, Pre and Post-Treatment Temporal Parametric Analysis of Neurovascular Disease Using Gamma Variate Fitting of Time Density Curves From DSA Sequences, TU-A-116-6, Conference presentation AAPM 2013-Indianapolis.
57. Fiorella D, Arthur AS, Boulos AS, Diaz O, Jabbour P, Pride GL, Turner RD IV, Derdeyn C, **Levy EI**: Final Results of the US Humanitarian Device Exemption Study of the Low-profile Visualized Intraluminal Support (LVIS) Device (abstract 215). Annual Meeting of the Congress of Neurological Surgeons, Boston MA, October 22, 2014.
58. **Levy EI**, Kallmes DF: Results from: Aneurysm Study of Pipeline in an Observational Registry: ASPIRe (abstract 213). Late-Breaking Science Presentation. Annual Meeting of the Congress of Neurological Surgeons, Boston MA, October 22, 2014.
59. Xiang J, Yu J, Snyder KV, **Levy EI**, Siddiqui AH, Meng H: Hemodynamic-Morphological Discriminant Models for Intracranial Aneurysm Rupture Remain Stable with Increasing Sample Size. *J Neurointerv Surg* (epub December 8, 2014 DOI 10.1136/neurintsurg-2014-011477). PMID: 25488922

### PROFESSIONAL ACTIVITIES

#### TEACHING:

Vertebroplasty: Indications and Treatment Options. Course Faculty at American Association of Neurological Surgeons Annual Meeting, San Diego CA	April 2003
Vertebroplasty: Indications and Treatment Options. Course Faculty at American Association of Neurological Surgeons Annual Meeting, Denver, Colorado.	October 2003
Kyphoplasty course instructor, Course Faculty at Congress of Neurological Surgeons Annual Meeting, Denver, Colorado.	October, 2003
Endovascular Summit 2004 Faculty at Hoag Heart and Vascular Institute, Newport Beach, CA.	January 2004
Clinical Faculty: Vertebroplasty Course: Association of Neurological Surgeons Annual Meeting, Orlando Florida.	May 2004
Speaker: "Future of Intracranial Stenting (breakfast seminar): Association of Neurological Surgeons Annual Meeting, Orlando Florida	May 2004
Curriculum Vitae 07/07/14	Elad Levy, MD



Endovascular For Young Neurosurgeons and Trainees Practical Course at American Association of Neurological Surgeons Annual Meeting, Orlando, Florida	May 2004
CREST Training, 2004: Course Co-director	August 2004
CREST Training 2005. Millard Fillmore Gates Hospital. Course Co-director	August 2005
Carotid Artery Stenting Training Program. Millard Fillmore Gates Hospital. Course Co-director	November 2005
CREST Training 2005. Millard Fillmore Gates Hospital. Faculty	December 2005
Abbott Training, Abbott Vascular Devices, Carotid Qualification Program, Millard Fillmore Gates Hospital. Faculty	February 2006
AANS Resident Endovascular Course, Memphis, Tennessee, March 31, 2006 – April 1, 2006. Faculty	April 2006
CREST Training. Millard Fillmore Gates Hospital. Faculty	May 2006
Cordis Carotid Artery Stenting Course. Faculty	May 2006
Cordis Senior Fellows Training Program. Cincinnati, OH, June 1-2, 2006. Presenter and Panelist	June 2006
Abbott Carotid Artery Course. Millard Fillmore Gates Hospital. Faculty	July 2006
CREST Training. Millard Fillmore Hospital. Faculty	October 2006
Cordis Training. Millard Fillmore Hospital. Faculty	Dec 2006
Abbott REC Training Millard Fillmore Gates Hospital. Faculty	Jan 2007
Abbott Carotid Stent Training. Gates Vascular Institute. Faculty	Dec 2012
Abbott Carotid Stent Training. Gates Vascular Institute. Faculty	July 2013
Covidien Pipeline Training Gates Vascular Institute Faculty	May 2013
Abbott Carotid Stent Training Gates Vascular Institute Faculty	Feb 2014
Covidien Pipeline Training Gates Vascular Institute Faculty	March 2014
Covidien Pipeline Training Gates Vascular Institute Faculty	Oct 2014
Boston Scientific Carotid Stent Training Gates Vascular Institute Faculty	Oct 2014

## SYLLABI CONTRIBUTIONS:

1. **Levy EI**, Hanel RA, Harrigan MR, Howington JU, Guterman LR, and Hopkins LN: Intracranial Atherosclerotic Disease: Natural History and Results of Intervention. *Peripheral Angioplasty and All That Jazz*, New Orleans LA, April 29-May 2, 2003.
2. **Levy EI**, Hanel RA, Harrigan MR, Howington JU, Kim SH, Qureshi AI, Guterman LR, Hopkins LN: Stroke: Complications and How to Avoid and Manage Them. *Peripheral Angioplasty and All That Jazz*, New Orleans LA, April 29-May 2, 2003.
3. Hanel RA, **Levy EI**, Harrigan MR, Howington JU, Kim SH, Qureshi AI, Guterman LR, Hopkins LN: Stroke By the Numbers: A Public Health Crisis. *Peripheral Angioplasty and All That Jazz*, New Orleans LA, April 29-May 2, 2003.
4. Hanel RA, **Levy EI**, Harrigan MR, Howington JU, Kim SH, Qureshi AI, Guterman LR, Hopkins LN: Stroke: Technique of Thrombolysis and Intervention. *Peripheral Angioplasty and All That Jazz*, New Orleans LA, April 29-May 2, 2003.
5. Harrigan MR, Hanel RA, **Levy EI**, Howington JU, Kim SH, Qureshi AI, Guterman LR, Hopkins LN: Carotid Angioplasty and Stenting Technique. *Peripheral Angioplasty and All That Jazz*, New Orleans LA, April 29-May 2, 2003.
6. **Levy EI**, Bendok BR, Qureshi AI, Guterman LR, Hopkins LN: Carotid Stenting: How to stay out of trouble International symposium on Endovascular Therapy, Miami Beach FL, January 19-23, 2003.
7. **Levy EI**, Guterman LR, Hopkins LN: Managing adverse events when stenting is the treatment of choice for carotid intervention. International symposium on Endovascular Therapy, Miami Beach FL, January 25-29, 2004 .
8. **Levy EI**: The Future of Endovascular Neurosurgery. The AANS course on Endovascular for Young Neurosurgeons and Trainees: Overview, Case Reviews, and Complications. Orlando FL, May 2, 2004.
9. Guterman LR, **Levy EI**: Carotid Update: Experiences in the Sapphire Trial and Future of Stenting in the Brain. Panel Discussion, Orlando FL, May 4, 2004.
10. **Levy EI**: Endovascular Therapy of Cerebrovascular Disease Management in Western New York. University of Rochester Medical Center, May 11, 2004.
11. Samuelson RM, Siddiqui AH, **Levy EI**, Hopkins LN: Advances in Endovascular Therapy for Prevention and Treatment of Stroke. *2007 Capital Region Stroke Symposium*, Harrisburg PA, October 18, 2007.
12. Atwal GS, Samuelson RM, Morrison AM, Siddiqui AH, **Levy EI**, Hopkins LN: Why I Believe that Octogenarians Must be Treated by Carotid Stenting. *Multidisciplinary European Endovascular Therapy (MEET) 2008 Congress*, Cannes, June 28, 2008.
13. Atwal GS, Samuelson RM, Morrison AM, Siddiqui AH, **Levy EI**, Hopkins LN: Why I Don't Believe in the EVA-3S Results. *Multidisciplinary European Endovascular Therapy (MEET) 2008 Congress*, Cannes, June 28, 2008.

14. Atwal GS, Samuelson RM, Morrison AM, Siddiqui AH, Levy EI, Hopkins LN: New Trials in Progress: CREST. *Multidisciplinary European Endovascular Therapy (MEET) 2008 Congress*, Cannes, June 28, 2008.

## RESEARCH

### FEDERAL DRUG ADMINISTRATION (FDA):

10/08            Awarded Investigational Device Exemption (IDE) #G0600521 from the FDA  
(G060052/A1 for “A Phase I Study to Evaluate the Safety of Wingspan™  
Stent-Assisted Recanalization for Acute Intracranial Arterial Occlusion”  
**Status**            Final FDA Approval Granted

### SUBMITTED GRANTS:

#### NIH

Source/Type:            Peer reviewed public funding (Challenge Grant)-NIH/NINDS  
Grant Title/Number:    SMARTS Trial (Stent vs. Maximal Medical Therapy for Acute Revascularization Therapy  
after Acute Ischemic Stroke)  
NIH RO1  
Role in Project:        Principal Investigator  
Years Inclusive:        2010-2015  
\$ Amount:                \$5,000,000  
Status                    Submitting 10/09; Award Pending

#### NIH

Source/Type:            Peer reviewed public funding (Challenge Grant)-NIH/NINDS  
Grant Title/Number:    Minocycline to prevent vasospasm after Aneurysmal Subarachnoid Hemorrhage  
NIH RO1  
Role in Project:        Principal Investigator  
Years Inclusive:        09/01/09-08/31/11  
\$ Amount:                \$986,106  
Status                    Not funded-Corporate funded

#### NIH

Source/Type:            Peer reviewed public funding (Challenge Grant)-NIH/NINDS  
Grant Title/Number:    Minocycline as Neuroprotectant for Acute Ischemic Stroke  
NIH RO1  
Role in Project:        Co Investigator  
Years Inclusive:        09/01/2009-08/31/2011  
\$ Amount:                \$974,021  
Status                    Not funded-Corporate funded

**NIH**

Source/Type: Peer reviewed public funding - NIH / NINDS  
Grant Title/Number: Stent Assisted Revascularization in Ischemic Stroke (SARIS)  
1 Ro1 NS056252-01  
Role in Project: Principal Investigator  
Years Inclusive: 12/1/07 – 11/30/10  
\$ Amount: \$1,676,591  
Status: Original Submission 10/05 - Resubmitted 3/07 - Not Funded – Revision Pending

**NIH**

Source/Type: Peer reviewed public funding - NIHS / NINDS  
Grant Title/Number: Specialized Programs of Translational Research in Acute Stroke (SPOTRIAS)  
Stoke Intervention and Research in Endovascular Neuroscience (SIREN)  
Role in Project: Principal Investigator (30%)  
Years Inclusive: 4/1/08 – 3/31/11  
\$ Amount: \$1,500,00 per yr  
Status: Not Funded – Revisions Pending

**NIH**

Source/Type: Peer reviewed public funding - NIH  
Grant Title/Number: Image-guided Treatment Planning for Neuro-interventions  
2RO1 EB002916-01  
Role in Project: Co-Investigator (2%)  
Years Inclusive: 2003-2007  
\$ Amount: \$800,000

**NIH**

Source/Type: Peer reviewed public funding - NIH/NIBIB  
Grant Title/Number: Microradiographic Guidance of Flow Modifying Stents  
1RO1 EB002873-03  
Role in Project: Co-Investigator (2%)  
Years Inclusive: 2003 - 2008  
\$ Amount: \$2,500,000

**NIH**

Source Type: Peer reviewed public funding – NIH/NINDA  
Grant Title Number: Exercise testing to diagnose concussion and reveal physiological mechanisms  
Role in Project: Co-Investigator (2.50%)  
Years Inclusive: 2014-2019  
\$ Amount:: \$3,783,874.00

**NIH**

Source Type:  
Grant Title/Number: Cerebral Aneurysm Risk Prediction Using Integrated Hemodynamic Models  
R01 NS064592  
Role in Project: Co-Investigator (0.75%)  
Years Inclusive: 2014-2019  
\$ Amount: \$1,905,181.00

**NIH**

Source Type:  
Curriculum Vitae  
07/07/14

Elad Levy, MD

Grant Title/Number: POSITIVE:PerfusiOn imaging Selection of Ischemic STroke PatIents for EndoVascular ThErapy  
Role in Project: Co-Investigator (0.01%)  
Years Inclusive: 2013-2015  
\$ Amount: \$140,000.00

#### **AWARDED GRANTS:**

#### **CORPORATE FUNDED**

Source/Type: Non-peer reviewed corporate funding – American Heart Association  
Grant Title/Number: SYSTEMATIC META-review of stenting with embolic protesction for patients with asymptomatic carotid stenosis  
Role in Project: Co Investigator  
Years Inclusive: 1/1/2010-1/1/2012  
\$ Amount: \$ 110,000

Source/Type: Non-peer reviewed corporate funding - Boston Scientific Corporation  
Grant Title/Number: A Phase I Study to Evaluate the Safety of Wingspan™ Stent-Assisted Recanalization for Acute Intracranial Arterial Occlusion”  
Role in Project: Principal Investigator (30%)  
Years Inclusive: 8/1/07 – 8/30/10  
\$ Amount: \$ 325,000

Source/Type: Non-peer reviewed corporate funding - Cordis  
Grant Title/Number: Feasibility Study to Assess Blinded Deployment of Bare Metal and Drug Coated Intracranial Stents in the Canine Basilar Artery  
Role in Project: Project Coordinator, Co-PI (5%)  
Years Inclusive: 7/1/02 – 6/30/03  
\$ Amount: \$ 618,000

Source/Type: Non-peer reviewed corporate funding - Boston Scientific Corporation  
Grant Title/Number: The Evaluation of Self-expanding Intracranial Paclitaxel Eluting Stents in a Canine Basilar Model: Feasibility Study.  
Role in Project: Project Coordinator, Co-PI (5%)  
Years Inclusive: 7/1/02 – 6/30/03  
\$ Amount: \$ 31,322

Source/Type: Non-peer reviewed corporate funding - Cordis  
Grant Title/Number: Comparison of histologic effects following drug-coated and bare stent-implantation in the canine basilar artery: 30 day results.  
Role in Project: Project Director (5%)  
Years Inclusive: 2002-3003

Curriculum Vitae  
07/07/14

Elad Levy, MD

\$ Amount: \$ 98,000

Source/Type: Non-peer reviewed corporate funding - Cordis  
Grant Title/Number: Feasibility Study to Assess Deployment of Bare Metal Intracranial Stenting in the Canine Basilar Artery  
Role in Project: Project Director (5%)  
Years Inclusive: 2002-2003  
\$ Amount: \$ 40,000

Source/Type: Non-peer reviewed corporate funding - Boston Scientific Corporation  
Grant Title/Number: The Study of Taxol-Eluting Stents in the Canine Basilar Artery For Neurotoxicity and Inhibition of Restenosis.  
Role in Project: Project Director (5%)  
Years Inclusive: 2002-2003  
\$ Amount: \$36,000

Source/Type: Corporate Funding - Cordis  
Grant Title/Number: Inhibition of in-stent stenosis and neointimal proliferation following endoluminal implantation of heparin-coated versus uncoated stents in the canine basilar artery.  
Role in Project: Project Director (5%)  
Years Inclusive: 2002-2003  
\$ Amount: \$20,000

Source/Type: Corporate Funding - Boston Scientific Corporation  
Grant Title/Number: Feasibility Study of the Sole Therapy Aneurysm Stent Porous Design in a Canine Basilar Artery Model.  
Role in Project: Investigator (2%)  
Years Inclusive: 2003-2004  
\$ Amount: \$20,000

Source/Type: Corporate Funding - Boston Scientific Corporation  
Grant Title/Number: Feasibility Study to Evaluate Patency of Jailed Intracranial Perforators Using Braid or Covered Porous Stents in a Canine Basilar Artery Model.  
Role in Project: Investigator (2%)  
Years Inclusive: 2003-2004  
\$ Amount: \$20,000

Source/Type: Non-peer reviewed corporate funding – Boston Scientific Corporation  
Grant Title/Number: Ability of Wingspan self expanding stents to recanalize vessels occluded by thrombi as compared to balloon expandable stent.  
Role in Project: Project Coordinator, Co-PI (5%)  
Years Inclusive: 2005-2006  
\$ Amount: \$17,907

Source/Type: Non-peer reviewed corporate funding – Boston Scientific Corporation  
Grant Title/Number: Histological Evaluation of the Basilar Artery after Wingspan Stent Placement.  
Role in Project: Project Coordinator, PI (3%)  
Years Inclusive: 2006-2007  
\$ Amount: \$50,000

Source/Type: Non-peer reviewed corporate funding – Kaleida Health, Volcano and ev3  
Grant Title/Number: PEMiSE Trial – Prospective Randomized Endovascular Therapy in Multiple Sclerosis  
Role in Project: Site Co-Investigator  
Years Inclusive: 2010 –  
\$ Amount: \$300,000

Source Type: Non-peer reviewed corporate funding - Covidien  
Grant Title/Number: PUF3 – Pipeline for Uncoilable or Failed Aneurysms  
NSG1390908A  
Role in Project: Site Principal Investigator  
Years Inclusive: 2013  
\$ Amount: \$50,000

Source Type: Non-peer reviewed corporate funding – ev3  
Grant Title/Number: AMERICA Axium™ MicroFX™ for Endovascular Repair of IntraCranial Aneurysm: A multi-Center, Prospective Observational Registry  
NSG1970411E  
Role in Project: Principal Investigator  
Years Inclusive: 2013  
\$ Amount: \$25,000

Source Type: Non-peer reviewed corporate funding – Codman  
Grant Title/Number: CODMAN ENTERPRISE® Vascular Reconstruction Device and Delivery  
NSG0100607H  
Role in Project: Principal Investigator  
Years Inclusive: 2013  
\$ Amount: \$200,000

Source Type: Non-peer reviewed corporate funding – Tyco Healthcare Group LP, dba Covidien, through its ev3 Neuro Division  
Grant Title/Number: International Retrospective Study of Pipeline Embolization Device (IntrePED)  
NSG2130312E  
Role in Project: Principal Investigator  
Years Inclusive: 2013  
\$ Amount: \$65,000

Source Type: Non-peer reviewed corporate funding – Penumbra  
Grant Title/Number: THERAPY Trial: The Randomized, Concurrent Controlled Trial to Assess the Penumbra System's Safety and Effectiveness in the Treatment of Acute Stroke

NSG2120212A  
Role in Project: Principal Investigator  
Years Inclusive: 2012  
\$ Amount: \$50,000

Source Type: Non-peer reviewed corporate funding – Penumbra  
Grant Title/Number: The START Trial: Clinical Outcome in Acute Stroke Treatment after Imaging Guided Patient Selection for Interventional Revascularization Therapy  
NSG1680110A  
Role in Project: Principal Investigator  
Years Inclusive: 2010 – 2013  
\$ Amount: \$25,000

Source Type: Non-peer reviewed corporate funding -  
Grant Title/Number: Vitesse Intracranial Stent Study for Ischemic Therapy  
NSG1310808A  
Role in Project: Principal Investigator  
Years inclusive: 2013  
\$ Amount: \$25,000

Source Type: Non-peer reviewed corporate funding – W.L. Gore & Associates, Inc.  
Grant Title/Number: GORE Carotid Stent Clinical Study for the treatment of carotid artery Stenosis in patients at increased risk for adverse events from carotid endarter  
Role in Project: Principal Investigator  
Years inclusive: 2014 - 2016  
\$ Amount: \$200,000.00

Source Type: Non-peer reviewed corporate funding – Research Foundation for SUNY  
Grant Title/Number: Development of Hand-held Biosensors for Rapid Diagnosis and Study of Neural Disease and Neurotoxins  
SUNY Health Now Network of Excellence Award 2014  
Role in Project: Invesitgator  
Years inclusive: 2014  
\$ Amount: \$150,000

### **VISITING PROFESSOR INVITED LECTURES**

1. Boulos, AS, **Levy, EI**, Lopes D., Bendok BR, Kim SH, Hanel R, Qureshi AI, Gutterman LR, Hopkins LN, Novel Endovascular Treatment of Cerebral Aneurysms, Neuroscience Grand Rounds , September 2002, Albany, NY.
- 2 **Levy EI**: Current Standards for treatment for ruptured and non-ruptured Aneurysms, Clinical trial results. Presented: Grand Rounds at the VA Hospital, Buffalo 1/6/2005.



- 3 **Levy EI:** Discussion on Microvascular Decompression: Presented Millard Fillmore Hospital Grand Rounds 1/6/2005.
- 4 **Levy EI.** Current Standards for Treatment of Ruptured and Non-Ruptured Aneurysms. Presented for Grand Rounds at Sisters of Charity Hospital, Buffalo NY. February 15, 2005.
- 5 **Levy EI.** Contemporary Management of Intracranial Aneurysms. Presented for Internal Medicine Grand Rounds at Millard Fillmore Hospital, Buffalo, NY. February 28, 2005.
- 6 Hanel RA, **Levy EI,** Guterman, LR, Hopkins LN. Cerebrovascular revascularization on the era of endovascular neurosurgery. Visiting Professor of Neurosurgery. University of Rochester, Rochester, NY Apr 27, 2005
- 7 Hanel RA, **Levy EI,** Horowitz M, Guterman LR, Hopkins LN. Interventional endovascular therapy applied to ENT. Otolaryngology Grand Rounds, SUNY Buffalo, Apr 28, 2005.
- 8 **Levy EI.** New Treatment Modalities for Stroke and Stroke Intervention. Oral Presenter. Grand Rounds at Kenmore Mercy Hospital, Buffalo, NY. May 3, 2005.
- 9 **Levy, EI.** The current role of Extra-Intracranial Bypass surgery for neurovascular pathologies. Visiting Professor. Grand Rounds at West Virginia University. Morgantown, WV. November 21, 2008.
- 10 **Levy, EI.** The current role of Extra-Intracranial Bypass surgery for neurovascular pathologies. Visiting Professor. Grand Rounds at West Virginia University. Morgantown, WV. November 21, 2008.
- 11 **Levy, EI.** Acute stroke: transition from rehabilitation to intervention. Visiting Professor. GrandRounds at Massachusetts General Hospital, Boston, MA. January 22, 2009.
- 12 **Levy, EI,** Live Case Presentation, Schwartz Rounds. Al Ford Auditorium, Women and Children's Hospital, Buffalo, NY. November 12, 2010.
- 13 **Levy, EI.** Stroke: At The Cutting Edge Of Neurosurgical Intervention. Visting Professor. Neurosurgery Grand Rounds at Thomas Jefferson University. Philadelphia, PA. April 1, 2011.
- 14 **Levy, EI.** Current and Future Intervention For Stroke: A Surgical Disease. Visiting Professor. Neurosurgery Grand Rounds at UC San Diego School of Medicine, San Diego, CA. May 13, 2011.
- 15 **Levy, EI.** Stroke intervention: The Cutting Edge and Beyond. Visiting Professor. Neurosurgery Grand Rounds at UCSF Clinical/Faculty Appreciation Day. San Francisco, CA. August 11, 2011.
- 16 **Levy, EI.** Why the Time is Now for Endovascular to be a Neurosurgical Subspecialty. Visting Professor Neurosurgery Grand Rounds at John Hopkins Hospital,

Baltimore, MD, January 17, 2013.

- 17 **Levy, EI.** Neurosurgery: The Field Gets Bigger as the Access Gets Small. Visiting Professor. Neurosurgery Grand Rounds at Louisiana State University, Department of Neurosurgery (LSU). Shreveport, Louisiana, May 8, 2013.
- 18 Levy, EI. Neurosurgery: Endovascular Treatment of Acute Ischemic Stroke: The End or Just the Beginning?. Visiting Professor, Neurosurgery Grand Rounds at Ohio State University/Wexner Medical Center, Columbus, Ohio, November 2013.

### **INTERNATIONAL PRESENTATIONS, ORAL POSTERS, AND INVITED LECTURES**

1. Scarrow AM, **Levy EI**, Pascucci L, Albright AL. Outcome analysis of third ventriculostomy. International society of Pediatric Neurosurgeons, Salt Lake City, Utah, 1999.
2. Scarrow AM, **Levy EI**, Resnick DK, Adelson PD, Sclabassi RJ. Cervical spine evaluation in obtunded or comatose pediatric trauma patients. International society of Pediatric Neurosurgeons, Salt Lake City, Utah, 1999.
3. **Levy EI**, Niranjan A, Thompson T, Scarrow AL, Flickinger J, Kondziolka D, Lunsford LD. Radiosurgery for Childhood Intracranial Arteriovenous Malformations. 10<sup>th</sup> International meeting of the Leksell Gamma Knife Society, Squaw Valley, 2000.
4. Boulos AS, Bendok BR, **Levy EI**, Kim SH, Guterman LR, Hopkins LN. The Endovascular Treatment of Ruptured Aneurysms. The 60<sup>th</sup> Annual Meeting of the Japan Neurosurgical Society. October 2001, Okayama, Japan. (invited lecture: LN Hopkins).
5. **Levy EI**, Boulos AS, Bendok BR, Kim SH, Qureshi AI, Guterman LR, Hopkins LN. Problems and Pitfalls in Carotid Artery Stenting. Fourteenth Annual International Symposium on Endovascular Therapy. Miami Beach, FL, January 2002. (invited lecture: LN Hopkins).
6. Hanel RA, Qureshi AI, Siddiqui AM, Kirmani JF, Boulos AC, Kim S, Bendok BR, **Levy EI**, Guterman LR, Hopkins LN. Endovascular treatment of ischemic stroke. Teleconference, Constantino Constantini Cardiology Clinic, June 21, 2002, Curitiba - PR, Brazil.
7. **Levy EI**, Hanel RA, Boulos AS, Guterman LR, Hopkins LN. In Vivo Model of Intracranial Stent Implantation: Histological Response of Cerebral Vessels After Randomized Blinded Implantation of Heparin-Coated and Uncoated Endoluminal Stents. Brazilian Meeting of Neurosurgery, September 2002, Fortaleza, Brazil.
8. Kim SH, Siddiqui AM, Qureshi AI, Boulos AS, **Levy EI**, Bendok BR, Harrigan M, Howington JU, Yahia AM, Guterman LR. Carotid Stenting and Thrombolysis in Patients with Acute Carotid Artery Dissection and Ischemic Stroke.. 2nd International Course on Carotid Angioplasty ICCA- II. Frankfurt, Germany, October 2002.

9. Kim SH, Siddiqui AM, Qureshi AI, Bendok BR, **Levy EI**, Yahia AM, Suri A, Kirmani JF, Xavier AR, Guterman LR, Hopkins LN. Carotid Angioplasty and Stenting in Patients with Near Occlusion of Carotid Artery. 2nd International Course on Carotid Angioplasty ICCA- II. Frankfurt, Germany, October 2002.
10. **Levy EI**, Hanel RA, Guterman LR, Hopkins LN. Intracerebral Rescue for Thromboembolic Complications Following Carotid Stenting. Multidisciplinary European Endovascular Therapy (MEET) 2003: Multidisciplinary Course on Endovascular Therapy of Carotid Artery and Thoracic Aorta; Marseille, France, June 26-28, 2003.
11. Hanel RA, **Levy EI**, Lau T, Bendok BR, Guterman LR, Hopkins LN. Incidence and Treatment of In-stent Stenosis after Carotid Angioplasty and Stenting. Oral Presentation, WFITN Meeting, Recife, Brazil Nov 1 - Nov 5, 2003.
12. **Levy EI**, Hanel RA, Boulos AS, Tio FO, Paciorek AM, Kagan-Hallet KS, Fronckowiak MD, Guterman LR, and Hopkins LN: Sirolimus-eluting Stents in the Canine Cerebral Vasculature: Assessment of Safety Profile and Vessel Response. Oral Presentation, *Joint Meeting of the American Academy of Neurological Surgery, the German Academy of Neurosurgery, and the German Society of Neurosurgery*, Dresden (Germany), October 6,-2004.
13. **Levy EI**, Hanel RA, Sherman D, Bailey L, Cunningham M, Williard C, Dooley J, Kopia G: Six-Month Pharmacokinetics and Pharmacodynamics of Sirolimus-Eluting Stents in the Canine Cerebral Circulation: A Randomized, Blinded Assessment. (abstract P184). *Stroke* 36:473, February 2005. Poster Presentation, *AHA International Stroke Conference 2005*, New Orleans LA, February 2-4, 2005.
14. **Levy, EI**. Carotid Artery Stenting: Planning the Procedure. Live Case Commentator. Endovascular Therapy International, University of Siena, Italy. March 17-19, 2005.
15. **Levy EI**. Interpretation of the intracranial angiography at baseline and during complications. Oral Presenter. Endovascular Therapy International, University of Siena, Italy. March 17-19, 2005.
16. **Levy EI**. Tips and Tricks. Moderator. Endovascular Therapy International, University of Siena, Italy. March 17-19, 2005.
17. **Levy EI**. Treatment of Acute Stroke. Oral Presenter. Endovascular Therapy International, University of Siena, Italy. March 17-19, 2005.
18. Hopkins LN, Ecker RD, **Levy EI**, Guterman, LR and Hanel RA. Vertebral Artery Intervention and Its Impact on the Posterior Circulation. Syllabus Abstract. Multidisciplinary European Endovascular Therapy (MEET) Congress. Cannes, French Riviera. June 9-12, 2005.
19. **Levy EI**. "Aneurysmal Subarachnoid Hemorrhage: Management Strategies". Oral Presentation. 1<sup>st</sup> Conference of Chinese Neurosurgeons, November 5-9, 2005. Shanghai, China November 5, 2005, Zhenjiang, China, November 6, 2005, Tianjing, China, November 9, 2005.
20. **Levy EI**. "How to Judge Coil Embolization in 2005". Oral Presentation. 1<sup>st</sup> Conference of Chinese Neurosurgeons, November 5-9, 2005. Shanghai, China November 5, 2005, Zhenjiang, China, November 6, 2005.

21. **Levy EI.** “Orbit Complex Coils for Intracranial Aneurysms: Higher Packing Density Improves Midterm Angiographic Results”. Oral Presentation. 1<sup>st</sup> Conference of Chinese Neurosurgeons , November 5-9, 2005. Zhenjiang, China, November 6, 2005, Beijing, China, November 7, 2005, Tianjing, China, November 9, 2005.
22. **Levy EI.** “How to Achieve Higher Packing Density in the Aneurysm Coiling: Technical Tips”. Oral Presentation. 1<sup>st</sup> Conference of Chinese Neurosurgeons, November 5-9, 2005. Beijing, China, November 7, 2005.
23. Fiorella D, **Levy EI**, Turk A, Albuquerque FC, Nieman D, Qagaard-Kienitz B, Woo H, Rasmussen PA, Hopkins LN, Masaryk TJ, Hanel RA, McDougall CG. *Intracranial Atheroma Case Discussion, Evidence Based Management of Cerebrovascular Disease, Part II*, Joint Program of International Stroke Conference and AANS/CNS Cerebrovascular Section and ASITN, Kissimmee, FL, February 17, 2006.
24. **Levy EI.** When and how to treat vertebral arteries and carotid dissections. Oral Presenter. Endovascular Therapy International, Laguna Palace Hotel, Venice Mestre, Italy. March 23-25, 2006
25. **Levy EI.** Interventional Techniques. Oral Presenter. Endovascular Therapy International, Laguna Palace Hotel, Venice Mestre, Italy . March 23-25, 2006
26. **Levy EI.** Cabernet study. Oral Presenter. Endovascular Therapy International, Laguna Palace Hotel, Venice Mestre, Italy March 23-25, 2006.
27. **Levy EI,** Wingspan Stent HDE Clinical Study 12 Month Follow-up. Presenter. Semana del Intervencionismo Minimamente Invasivo. Buenos Aires, Argentina. April 5-8, 2006.
28. **Levy EI,** Endovascular advances in the treatment of complex aneurysms and Orbit experience. Oral Presenter. Cerebrovascular Disease Forum. Huashan Hospital. Shanghai, China. April 25, 2006.
29. **Levy EI,** Stroke Intervetion: patient selection and treatment.. Oral Presenter. Cerebrovascular Disease Forum. Huashan Hospital. Shanghai, China. April 26, 2006.
30. **Levy EI,** Endovascular advances in the treatment of complex aneurysms and Orbit experience. Oral Presenter. Cerebrovascular Disease Forum. Semina in Huashan Hospital. Shanghai, China. April 27, 2006.
31. **Levy EI,** Beijing Aneurysm Training Course in J&J Medical University. Faculty. Cerebrovascular Disease Forum. Beijing, China. April 28, 2006.
32. Yamamoto J, Ecker RD, Tummala RP, Sauvageau E, **Levy EI,** Hopkins LN: Internal “Cross-Clamping” Technique for Treatment of Symptomatic Carotid Stenosis with Intraluminal Thrombus (abstract). Accepted for presentation at *The 65th Annual Meeting of the Japanese Neurosurgical Society*, Kyoto Japan, October 18, 2006.
33. Meng H, Swartz DD, Wang Z, Hoi Y, Kolega J, Metaxa E, Szymanski MP, Gao L, Paciorek AM, Yamamoto J, Sauvageau E, **Levy EI,** Hopkins LN: *In Vivo* Hemodynamics Correlated with Vascular Responses Associated with Cerebral Aneurysm Development. *5th World Congress of Biomechanics*, Munich (Germany), July 29-August 4, 2006. In Liepsch D (ed): *International Proceedings G729C1618:479-483*, MEDIMOND Monduzzi Editore (Bologna, Italy), 2006

34. Albuquerque FC, McDougall CG, Hanel RA, Fiorella D, **Levy EI**, Turk AS, Niemann DB, Aagaard-Kienitz B, Woo H, Rasmussen PA, Hopkins LN, Masaryk TJ: Preliminary Multicenter Experience with the Wingspan Stent for the Treatment of Intracranial Stenosis. Accepted for oral presentation at the *Joint International Stroke Conference--AANS-CNS Cerebrovascular Section--ASITN Meeting*, San Francisco CA, February 8, 2007
35. **Levy EI**. Current status of CAS in the US: Learnings for the Japanese Market. The 6th JASTNEC (The 6th Meeting of Japanese Society for Treatments at Neck in Cerebrovascular Disease). Fukuoka, Japan, June 13 -16, 2007.
36. **Levy EI**. Intracranial Stenosis and Aneurysms. Lecture at Technion, Israel Institute of Technology, Rambam Healthcare Campus, Haifa, Israel, October 15, 2007.
37. **Levy EI**. Interventional Stroke Treatment Current Concepts and Future Directions. Poriah Hospital, Haifa, Israel, October 15, 2007.
38. Sharma J, Matthews MS, Mocco J, Snyder KV, Ionita C, Siddiqui AH, Hopkins LN, Levy EI: The Adjunctive Use of Intra-arterial Eptifibatid as a Revascularization Tool in Acute Cerebrovascular Ischemia. Oral Presentation, *61<sup>st</sup> American Academy of Neurology Annual Meeting*, Seattle WA, April 25-May 2, 2009
39. **Levy EI**, Hauck, EF: Invited Lecturer, "The Current State of Carotid Stenting" Carmel Hospital, Haifa, Israel. June 3, 2009.
40. Meng H, Dhar S, Gao L, Hoi Y, Kolega J, **Levy E**, Mandelbaum M, Metaxa E, Mocco J, Natarajan SK, Siddiqui A, Tremmel M, Wang Z, Xiang J, Hopkins LN: Hemodynamic Factors Contributing to Aneurysm Formation and Rupture (abstract\_LS01-02). Oral Presentation, *The 6<sup>th</sup> International Intracranial Stent Meeting 2009: Tidal Wave from Coil to Prosthesis, from Embolization to Reconstruction* (in conjunction with the 17<sup>th</sup> Meeting of Neuroendovascular Therapy Sendai Seminar 2009), Sendai Japan, August 5-7, 2009.
41. Meng H, Gao L, Kolega J, **Levy EI**, Mandelbaum M, Metaxa E, Mocco J, Natarajan SK, Siddiqui AH, Tremmel M, Hopkins LN. (2009, August). *Flow-induced Basilar Bifurcation Aneurysm Model in Rabbit*. Oral Presentation presented at: The 6<sup>th</sup> International Intracranial Stent Meeting 2009: Tidal Wave from Coil to Prosthesis, from Embolization to Reconstruction; Sendai, Japan.
42. Natarajan SK, Snyder KV, Siddiqui AH, Ionita CC, Hopkins LN, **Levy EI**. (2009, September). Safety and Efficacy of Endovascular Therapy after 8 Hours of Acute Ischemic Stroke Onset and Wake-up Strokes. (Paper A-161-0003-02461). Poster presentation, Open Session 1: Cerebrovascular Disease 1, on September 13, 2009. *13<sup>th</sup> Congress of the European Federation of Neurological Societies (EFNS)*; Florence, Italy.
43. Ohta H, Hauck EF, Natarajan SK, Siddiqui AH, **Levy EI**, Hopkins LN, Takeshima H: Analysis of Enterprise Stenting for Cerebral Aneurysms. Oral Presentation, *The 25<sup>th</sup> Annual Meeting of the Japanese Society for Neuroendovascular Therapy*, Toyama, Japan, November 19-21, 2009.
44. Ohta H, Siddiqui AH, Hauck EF, **Levy EI**, Hopkins LN, Takeshima H: Intracranial Stenting for Cerebral Aneurysms under Local Anesthesia: A Retrospective Analysis. Oral Presentation, The 68<sup>th</sup> Annual Meeting of the Japan Neurosurgical Society, Tokyo, Japan, October 14-16, 2009.

45. **Levy EI**, Special Lecture, :Carotid Revascularization: “Modern management of carotid stenosis and future perspective base on CREST”, 26<sup>th</sup> Annual *JSNET Meeting*, Fukuoka, Japan., November 18, 2010.
46. **Levy, EI**, Seminar, BSJ Session: “Selection of the device; closed cell/open cell for stent, filter/balloon for EPD” , 26<sup>TH</sup> Annual *JSNET Meeting*, Fukuoka, Japan., November 18, 2010.
47. **Levy, EI**, Special Comment: Intracranial Stenting for Arteriosclerotic “Stenosis of Intra Cranial arteries including Wingspan, DES and SAMPRIS”, 26th Annual *JSNET Meeting* Fukuoka, Japan., November 18, 2010.
48. **Levy, EI**, BSCI Keynote Lecture: Teaching Seminar: “Effective use and Appropriate patient Selection of Carotid Wallstent and Filterwire EZ” 26<sup>th</sup> Annual *JSNET Meeting*, Fukuoka, Japan, November 19, 2010.
49. **Levy, EI**, Commentator Korean-Japanese Friendship Conference on ”Advanced Endovascular Treatment for Cerebral Aneurysm”, *KSIN-JSNET Joint Session*, Fukuoka, Japan, November 19, 2010..
50. **Levy, EI** ,Oral Presentation “Morbidity and Mortality after treatment of Intracranial aneurysms with pipeline embolization device: Analyses of an International Multicenter Registry” *Israel Neurological Society Annual Meeting of the Israel Neurosurgical Society*, Jerusalem, Israel March 20, 2014.
51. **Levy, EI**, Oral Presentation “Coiling in Conjunction with Pipeline Embolization Device for the Treatment of Intracranial Aneurysms” *Israel Neurological Society Annual Meeting of the Israel Neurosurgical Society*, Jerusalem, Israel, March 20, 2014.
52. **Levy, EI**, Oral Presentation “Primary Stentriever vs Combined Stentriever plus Aspiration Thromectomy Approaches in Vitro Stroke Model Comparison”*I srael Neurological Society Annual Meeting of the Israel Neurosurgical Society*, Jerusalem, Israel, March 20, 2014.
53. **Levy, EI**, Oral Presentation “Thrombus Density Predicts Successful Recanalization with Solitaire Stent-Retriever Thrombectomy in Acute Ischemic Stroke” *Israel Neurological Society Annual Meeting of the Israel Neurosurgical Society*, Jerusalem, Israel, March 20, 2014.

#### **NATIONAL PRESENTATIONS, ORAL POSTERS, AND INVITED LECTURES**

1. **Levy EI**, Paino J, Sarin PS, Goldstein AL, Wright D, Sekhar LN. Differential Cytokine Expression in Meningiomas: Correlation of IL-1beta and IL-6. 1994 George Washington Medical Center Faculty Research Day, Washington, D.C. (poster).
2. **Levy EI**, Paino J, Sarin PS, Goldstein AL, Wright D, Sekhar LN. Differential Cytokine Expression in Meningiomas: Correlation of IL-1beta and IL-6. 1995 American Association of Neurological Surgeons Annual Convention, Orlando, Florida (poster).

3. **Levy EI**, Paino J, Sarin PS, Goldstein AL, Wright D, Sekhar LN. Differential Cytokine Expression in Meningiomas: Correlation of IL-1beta and IL-6. 1995 George Washington University Medical Center Washington, DC.
4. Bejjani GK, Richardson P, Jurjus AR, Raso J, Nadel A, Sullivan BJ, **Levy EI**, Duong DH, Sekhar LN. The Glutaraldehyde Tanned Porcine Nerve Xenograft: Electrophysiological and Morphological Evaluation. 1997 Congress of Neurological Surgeons, New Orleans, LA.
5. Scarrow A, Segal R, **Levy EI**, Sclabassi R. Outcome Analysis of Anterior and Posterior Cervical Spine Decompression for Cervical Spondylotic Myelopathy: Correlation with Functional Results and SSEP's. 1998 AANS/ CNS Joint Section on Disorders of the Spine and Peripheral Nerves, Orlando, FL (poster).
6. Kondziolka D, **Levy EI**, Niranjan A, Bissonette D, Flickenger JC, Lunsford LD. Long-term Outcomes After Meningioma Radiosurgery: The Physicians' and Patients' Perspective. 1998 American Association of Neurological Surgeons, New Orleans, LA.
7. **Levy EI**, Rubin G, Firlik AD, et al. The Remote Effects of Acute Ischemic Stroke: Transhemispheric Diaschisis. 1998 American Association of Neurological Surgeons, New Orleans, LO (poster).
8. **Levy EI**, Firlik AD, Rubin G. et al. 1998 Is Intra-arterial Thrombolysis for Acute Vertebrobasilar Artery Occlusion Justified? A Meta-analysis of Prognostic Factors. 1998 Congress of Neurological Surgeons Annual Meeting, Seattle, WA.
9. Rubin G, **Levy EI**, Firlik AD, Yonas H, Wechsler LR. Are XeCT CBF Studies able to Predict Outcome in Patients with Acute Ischemic Stroke? A Review of 50 Patients. 1998 Congress of Neurological Surgeons Annual Meeting, Seattle, WA (oral poster).
10. Jannetta PJ, **Levy EI**, Clyde B, McLaughlin MR. Microvascular Decompression of the Left Lateral Medulla Oblongata for Severe Refractory Neurogenic Hypertension. National Heart, Lung, and Blood Institute Special Emphasis Panel on Vascular Medullary Compression and High Blood Pressure, 1998, NIH, Bethesda, MD.
11. **Levy EI**, Firlik AD, Rubin G, et al. Is Intra-arterial Thrombolysis With Urokinase for Acute Vertebro-Basilar Artery Occlusion Justified? Patient Outcomes and Review of the Literature. 1998 24<sup>th</sup> Annual Symposium at the Barrow Neurological Institute, Phoenix, AZ, 1998.
12. **Levy EI**, Resnick DK, Jannetta PJ, et al. Pediatric Hemifacial Spasm: The Efficacy of Microvascular Decompression. 1998, American Association of Neurological Surgeons, Philadelphia, PA. (poster).
13. Resnick DK, **Levy EI**, Jannetta PJ, et al. Pediatric Trigeminal Neuralgia: The Efficacy of Microvascular Decompression American Association of Neurological Surgeons, Philadelphia, PA, 1998. (poster).

14. Rubin G, Firlik AD, Yonas H, Wechsler LR, **Levy EI**. Effect of Reperfusion Therapy on Cerebral Blood Flow in Acute Stroke. ASITM AANS/CNS Cerebrovascular Section Meeting, Orlando, FL. 1998.
15. **Levy EI**. Antibiotic Prophylaxis and Empiric Treatment for the Critical Patient 1998 Regional Symposium on Effective Antibiotic Treatment.
16. Lee S, **Levy EI**, Scarrow AM, Jannetta PJ. Recurrent Trigeminal Neuralgia Due To Veins Following Microvascular Decompression. Congress of Neurosurgery, Boston, MA 1999.
17. Segal R, Beth-Ott M, **Levy EI**, Reardon R. Prospective Study of Long-term Results of Totally Implantable Spinal Cord Stimulation (SCS) in Cohort of 78 Patients. Congress of Neurosurgery, Boston, MA 1999.
18. Hadjipanayis C, **Levy EI**, Firlik AD, Kondziolka D, Flickinger JC, Lunsford LD. Stereotactic Radiosurgery, In The Management Of Motor Cortex Arteriovenous Malformations. Congress of Neurosurgery, Boston, MA 1999.
19. **Levy EI**, Resnick DK, Adelson PD, Sclabassi RJ. Cervical spine evaluation in obtunded or comatose pediatric trauma patients. Scarrow AM. AANS/CNS Section on Spine and Peripheral Nerve Surgery, Salt Lake City, UT 1999.
20. **Levy EI**, Firlik AD, Hadjipanayis CG, Kondziolka D, Lunsford LD. Stereotactic Radiosurgery for the Management of Motor Cortex AVM's. 1999 Annual Meeting of the AANS/CNS Section on Cerebrovascular Surgery & American Society of Interventional and Therapeutic Neuroradiology ASITN 1999 Cerebrovascular Disease, Nashville, TN (poster).
21. Richardson P, Jurjus A, Sullivan B, Nadel A, Lopes E, **Levy EI**, Sekhar LN. Peripheral Nerve Xenograft: The Value of Gluteraldehyde Tanning and Corticosteroid Immunosuppression. Bejjani GK. 1999 Congress of Neurological Surgeons Annual Meeting, Seattle, Washington (oral poster).
22. **Levy EI**, Firlik AD, Hadjipanayis CG, Kondziolka D, Lunsford LD. Stereotactic Radiosurgery for the Management o Motor Cortex AVM's. 1999 Section on Cerebrovascular Disease, Nashville, TN (poster).
23. **Levy EI**, Niranjan A, Thompson T, Scarrow AL, Flickinger J, Kondziolka D, Lunsford LD. Radiosurgery for Childhood Intracranial Arteriovenous Malformations. 2000 Congress of Neurological Surgeons, San Antonio, TX.
24. Scarrow AL, Kassam AB, Patel A, **Levy EI**, Horowitz M, Yonas H, Jannetta PJ. Effects of botulinum toxin on clinical outcome of microvascular decompression for hemifacial spasm. North American Skull Base Society Meeting, Phoenix, AZ 2000.
25. Horowitz M, **Levy EI**. Intra-procedural Rupture of Intracranial Aneurysms During Coil Embolization: Management and Outcomes. Joint Meeting of the AANS/CNS Section on Cerebrovascular Surgery and ASITN, Waikoloa, Hawaii, February 10, 2001.



26. Horowitz M, **Levy EI**. Transluminal Stent-Assisted Angioplasty of the Intracranial Vertebrobasilar System for Medically Refractory Posterior Circulation Ischemia. Joint Meeting of the AANS/CNS Section on Cerebrovascular Surgery and ASITN, Waikoloa, Hawaii, February 10, 2001.
27. **Levy EI**. Management of Subarachnoid Hemorrhage in the Primary Care Setting. Malone, New York, April 2001 (invited lecturer).
28. **Levy EI**, Boulos AS, Bendok BR, Kim SH, Qureshi AI, Guterman LR, Hopkins LN. Should Cardiologists be Involved in the Management of Stroke? Transcatheter Cardiovascular Therapeutics, Washington, DC, September 2001 (invited lecture: LN Hopkins).
29. Koebbe CJ, **Levy EI**, Horowitz M, Jungreis CJ, Kassam A, Purdy PD, Pride GL, Dutton K. Endovascular coiling of anterior communicating artery aneurysms: a review of clinical and angiographic outcomes. Congress of Neurological Surgeons, San Diego, CA September 2001 (poster).
30. Maroon J, Gardner P, Wahlig J, **Levy EI**. Golf Induced Stroke from Vertebral Artery Dissection. Congress of Neurological Surgeons, San Diego, CA October 2001 (poster).
31. **Levy EI**, Boulos AS, Bendok KR, Kim SH, Qureshi AI, Guterman LR, Hopkins LN. Should Endovascular Neurosurgery be within the Department of Neurosurgery? Academy of Neurological Surgeons, Palm Beach, FL, November 2001 (invited lecture: LN Hopkins).
32. Bendok BR, **Levy EI**, Boulos AS, Kim SH, Yahia AM, Qureshi AI, Guterman LR, Hopkins LN. Acculink for Revascularization of Carotids in High Risk Patients (ARCHER) Trial Update. ISET, January 2002, Miami Beach, FL. (invited lecture: LN Hopkins)
33. **Levy EI**, Bendok BR, Boulos AS, Guterman LR, Hopkins LN. Staged Stent-Assisted Angioplasty for Symptomatic Intracranial Vertebrobasilar Stenosis. Society of University Neurosurgeons Annual Meeting June, 2002 Evanston, IL.
34. Bendok BR, Hanel R, Boulos AS, **Levy EI**, Kim SH, Hartney M, Qureshi AI, Guterman LR, Hopkins LN. Stent assisted Coiling of Intracranial Internal Carotid Artery Aneurysms: Clinical and Angiographic follow up. Society of University Neurosurgeons Annual Meeting, June 2002 Evanston, IL.
35. Hanel R, Bendok BR, Boulos AS, **Levy EI**, Qureshi A, Guterman LR, Hopkins LN. Re-do treatment for intracranial aneurysms: an analysis of endovascular therapeutic options. Society of University Neurosurgeons Annual Meeting, June 2002, Evanston, IL.
36. **Levy EI**, Boulos AS, Bendok BR, Kim SH, Qureshi AI, Guterman LR, Hopkins LN. Towards Lower Morbidity and Greater Patient Comfort in Endovascular Neurosurgery: The Transradial Approach. Cerebrovascular Surgery and ASITN, February 2002, Dallas, TX.

37. Bendok BR, **Levy EI**, Boulos AS, Kim SH, Ringer AJ, Guterman LR, Qureshi AI, Hopkins LN. Prospective assessment of a new thermally detachable platinum microcoil to treat intracranial aneurysms. ANNS April 2002, Chicago, IL (poster).
38. **Levy EI**, Boulos AS, Bendok BR, Kim SH, Ringer AJ, Guterman LR, Qureshi AI, Hopkins LN. Endovascular strategies for carotid disease. ANNS Comprehensive Course on Cerebrovascular Disease, April 2002, Chicago, IL (invited lecture and syllabus contribution: LN Hopkins).
39. Kim SH, Qureshi AI, Yahia AM, Boulos AS, Bendok BR, **Levy EI**, Guterman LR, Hopkins LN. Use of Combined Transfemoral and Transradial Arterial Approach for Treatment of Chronic Subclavian Artery Occlusion with Angioplasty and Stent Placement. AANS Annual Meeting, April 2002 Chicago, IL (poster).
40. Pilot Trial of Safety and Effectiveness of Continuous Intravenous Magnesium Sulfate for Prevention of Cerebral Vasospasm in Patients with Aneurysmal Subarachnoid Hemorrhage. Kirmani JF, Yahia AM, Qureshi AI, Kim SH, **Levy EI**, Bendok B, Polina J, Gibbons K, Guterman LR, Hopkins LN. AANS Annual Meeting, April 2002 Chicago, IL (poster).
41. Boulos AS, **Levy EI**, Bendok BR, Kim SH, Qureshi AI, Guterman LR, Hopkins LN. Preliminary Experience with Distal Protection Devices in the Percutaneous Treatment of Carotid Artery Disease: A Prospective Analysis of Periprocedural Complications. CNS Meeting, September 2002, Philadelphia, PA.
42. **Levy EI**, Hanel RA, Boulos AS, Fermin T, Nemes B, Paciorcek AM, Alberico R, Guterman LR, Hopkins LN. The First In Vivo Intracranial Stent Model: Histological Response of Cerebral Vessels Following Randomized Blinded Implantation of Heparin-Coated and Uncoated Endoluminal Stent. ASITN AANS/CNS CV Section Meeting, Phoenix, Arizona, February 2003.
43. **Levy EI**, Hanel R, Bendok BR, Boulos AS, Kim S, Guterman LR, Hopkins LN. Staged Stent-Assisted Angioplasty for Symptomatic Intracranial Vertebrobasilar Stenosis. ASITN AANS/CNS CV Section Meeting, Phoenix, Arizona, February 2003.
44. Bendok BR, Hanel R, Boulos AS, **Levy EI**, Kim SH, Hartney M, Qureshi AI, Guterman LR, Hopkins LN. Clinical and angiographic outcomes of Stent-Assisted Coil Treatment of Intracranial Internal Carotid Artery Aneurysms: A Single-Center Experience. ASITN AANS/CNS CV Section Meeting, (poster), Phoenix, Arizona, February 2003.
45. **Levy EI**, Bendok BR, Hopkins LN: When Coils Are Not Enough: Stents for Aneurysms. New Developments and Controversies in Cerebrovascular Intervention Symposium, Phoenix AZ, February 12, 2003.
46. Boulos AS, Bendok BR, Hanel RA, **Levy EI**, Kim SH, Qureshi AI, Guterman LR. Endovascular Reconstruction in Fusiform or Dissecting Posterior Circulation Aneurysms. [Abstract in J Neurosurg 98:694, March 2003]. Oral Presentation, American Association of Neurological Surgeons Annual Meeting, San Diego, California, April 2003.

47. Howington JU, **Levy EI**, Boulos AS, Hanel RA, Guterman LR, Hopkins LN. The histological response of cerebral vessels after randomized blinded implantation of heparin-coated and uncoated endoluminal stents. Oral Presentation (basic science award winner), Annual Meeting of the Southern Neurosurgical Society, Orlando FL, May 2003.
48. **Levy EI**, Boulos AS. Osteoporosis: Diagnosis and Indications for Medical Management Vertebroplasty: Indications and Treatment Options (practical course) at American Association of Neurological Surgeons Annual Meeting, San Diego CA, April 2003.
49. Kim SH, Siddiqui AM, Qureshi AI, Boulos AI, Yahia AM, **Levy EI**, Bendok BR, Harrigan MR, Guterman LR, HopkinsLN. Safety and Short-Term Efficacy of Angioplasty and Stenting for Symptomatic Extracranial Vertebral Artery Stenosis Poster Presentation, American Association of Neurological Surgeons Annual Meeting, San Diego, California, April 2003.
50. Qureshi AI, Boulos AS, Kim SH, Yahia AM, Bendok BR, **Levy EI**, Kirmani JF, Hopkins LN Carotid Artery and Stent-Assisted Angioplasty Using the FilterWireEX for Distal Protection: an International Multicenter Study (Paper 740). Oral Presentation, American Association of Neurological Surgeons Annual Meeting, San Diego, California, April 2003.
51. **Levy EI**, Hanel RA Nemes B, Howington JU, Am lani S, Fronckowiak MD, Paciorek AM, Tio FO, Boulos AS, Guterman LR, Hopkins LN. Randomized Blinded Implantation of Cordis Cypher™ Sirolimus-eluting Stent Versus Bare Metal BX-Velocity™ Stents To Determine Safety in the Intracranial Vasculature. Trans Catheter Therapeutics, Washington DC, September 15-19, 2003.
52. **Levy EI**, Grube E, Müller R, Gerckens U, Hanel R, Hopkins L, Baim D Matrix VSG, Imaging Findings of a Novel Access-site Management Technology. Poster presentation, TCT 2003, Washington DC, September 15-19, 2003.
53. Kyprianou IS, Wang Z, Hanel RA, **Levy EI**, Nemes B, Rudin S. Development Of Methods For The Use Of Roi Microangiography In Neurointerventional Procedures. RSNA 89th Scientific Assembly and Annual Meeting, Chicago, Illinois November 30-December 5, 2003.
54. Grube E, Müller E, Gerckens U, **Levy EI**, Hopkins LN, Ramee S. Matrix VSG, A Novel Access-site Management Technology, Oral presentation, TCT 2003, Washington DC, September 15-19, 2003.
55. Hanel RA, **Levy EI**, Lau T, Bendok BR, Guterman LR, Hopkins LN. Incidence and Treatment of in-stent stenosis after carotid angioplasty and stenting. Congress of Neurological Surgeons Denver CO, October 18-23, 2003.
56. Hoi Y, Meng H, Bendok BR, Hanel R, Woodward S, **Levy EI**, Guterman LR, Hopkins LN. Effects of Arterial Curvature on Cerebral Aneurysmal Hemodynamics: Implication on Risk Assessment and Coil Treatment, Poster Presentation, Congress of Neurological Surgeons Annual Meeting, Denver CO, October 18-23, 2003.

57. Hanel RA, Padalino D, Bendok BR, **Levy EI**, Guterman LR, Hopkins LN. Carotid Angioplasty and Stenting with Distal Embolic Protection: The New Gold Standard Treatment for Recurrent Carotid Stenosis After Endarterectomy? Accepted for Oral Presentation, 2004 Joint Annual Meeting of the AANS/CNS Cerebrovascular Section & American Society of Interventional and Therapeutic Neuroradiology, San Diego, February 2004
58. **Levy EI**, Hanel RA, Nemes B, Howington JU, Amlani S, Fronckowiak MD, Paciorek A, Randomized Blinded Implantation of Cordis Cypher<sup>tm</sup> Sirolimus-Eluting Stent Versus Bare Metal Bx-Velocity<sup>tm</sup> Stents to Determine Safety in the Intracranial Vasculature Accepted for Oral Presentation, 2004 Joint Annual Meeting of the AANS/CNS Cerebrovascular Section & American Society of Interventional and Therapeutic Neuroradiology, San Diego, February 2004.
59. Villalobos H, Hanel RA, **Levy EI**, Guterman LR, Hopkins LN. Endovascular treatment of spontaneous carotid artery dissection. Accepted for Poster Presentation, 2004 Joint Annual Meeting of the AANS/CNS Cerebrovascular Section & American Society of Interventional and Therapeutic Neuroradiology, San Diego, February 2004.
60. Hanel RA, **Levy EI**, Nemes B, Howington JU, Amlani SMD, Iacovos IS Kyprianou, Z Wang, S Rudin PhD, LR Guterman PhD, MD, LN Hopkins MD. A Comparison Between Standard Angiography And Microangiography In The Evaluation Of Stent Implantation In The Intracranial Vasculature Accepted for Poster Presentation, 2004 Joint Annual Meeting of the AANS/CNS Cerebrovascular Section & American Society of Interventional and Therapeutic Neuroradiology, San Diego, February 2004.
61. **Levy EI**, Hanel RA, Guterman LR, Hopkins LN. Update: Acute stroke intervention. Endovascular Summit, Newport Beach, CA, January 14-17, 2004.
62. **Levy EI**, Hanel RA, Guterman LR, Hopkins LN. Intracranial angioplasty and stenting. Endovascular Summit, Newport Beach, CA, January 14-17, 2004.
63. Branch M, **Levy E**, Snyderman CH, Kassam A. "Transnasal Endoscopic Resection of Synchronous Pituitary Adenoma and Suprasellar Meningioma." An interdisciplinary Approach. North American Skull Base Society Annual Meeting, New Orleans, LA, February 11-17, 2004.
64. Guterman LR, **Levy EI**: Carotid Update: Experiences in the Sapphire Trial and Future of Stenting in the Brain. Panel Discussion, Orlando FL, May 4, 2004.
65. **Levy EI**: Endovascular Therapy of Cerebrovascular Disease Management in Western New York. University of Rochester Medical Center, May 11, 2004
66. **Levy EI**: Vascular Response to Sirolimus-Eluting Stents in the Canine Cerebral Circulation. Presented: September 30, 2004 TCT Conference.
67. **Levy EI**: Mechanical revascularization therapy for acute stroke (alone and in combination with thrombolysis): State-of-the-art. Presented: October 1, 2004 TCT Conference.
68. **Levy EI**: Intracranial Stenting Using Sirolimus Coated Stent: Preclinical Data. Presented: October 10, 2004 LINC Conference.

69. **Levy EI:** DES for Intracranial Stenosis. Presented for Cordis Neurovascular Consulting Meeting, December 4, 2004 in Ft. Lauderdale, Florida.
70. **Levy EI.** Management of Intracranial Atherosclerotic Disease. Special Course Panelist. 2005 Joint Annual Meeting AANS/CNS Cerebrovascular Section & American Society of Interventional & Therapeutic Neuroradiology. New Orleans, LA, February 1-4, 2005.
71. **Levy EI.** Technology Assessment for Ischemic and Hemorrhagic Stroke. Oral Presenter. Cordis WW Research and Development Franchise Meeting. Naples, FL. April 6-7, 2005.
72. **Levy EI.** Acute Stroke Intervention. Oral Presenter. Cardiovascular Grand Rounds, Pinnacle Health, Harrisburg Hospital, Harrisburg, PA. April 14, 2005.
73. Stippler M, **Levy EI**, Kerr ME, Crago EA, Pentz R, Horowitz MB, Kassam A, Yonas H: Continuous Magnesium Infusion for Cerebral Vasospasm Prophylaxis in Aneurysmal Subarachnoid Hemorrhage. Oral Presentation 756, American Association of Neurological Surgeons Annual Meeting, New Orleans LA, April 16-21, 2005.
74. **Levy EI.** Endovascular Mgmt Options in Acute Cerebral Ischemia. Oral Presenter. American Association of Neurological Surgeons Annual Meeting, New Orleans LA, April 16-21, 2005.
75. **Levy EI.** Changing Paradigms in Cerebrovascular Neurosurgery. Panelist. American Association of Neurological Surgeons Annual Meeting, New Orleans LA, April 16-21, 2005.
76. **Levy EI.** "Improving Interventional Treatment of Intracranial Atherosclerotic Disease". Oral Presentation for Boston Scientific Corporation. New Orleans Marriott, New Orleans, LA, April 19, 2005.
77. Hanel RA, **Levy EI**, Guterman LR, Hopkins LN: Intracranial and Vertebral Artery Stenting: Promise of a New Frontier. 2nd Annual Symposium, *Cerebral Revascularization: Latest Indications and Techniques for Stroke Treatment and Prevention*, Chicago IL, September 10, 2005.
78. **Levy, EI.** "Treating Atherosclerotic Disease". Oral Presentation for Boston Scientific Corporation Fellows Meeting. Westin St. Francis Hotel, San Francisco, CA. Sept. 15, 2005
79. **Levi, EI.** Focus Group Meeting. Participant. Sheraton Boston Hotel, Congress of Neurological Surgeons 55<sup>th</sup> Annual Meeting. Boston, MA, Oct. 8-13, 2005.
80. **Levy, EI.** "Endovascular Aneurysm Surgery: Introduction to Endovascular Surgery". Practical Course Co-director for Congress of Neurological Surgeons 55<sup>th</sup> Annual Meeting. Boston MA, Oct. 8-13, 2005.
81. **Levy, EI.** "Vertebroplasty and Kyphoplasty: Novel Technologies". Practical Course Co-director for Congress of Neurological Surgeons 55<sup>th</sup> Annual Meeting. Boston MA, Oct. 8-13, 2005
82. Hoffmann KR, Rudin S, Meng H, Hopkins LN, Guterman L, **Levy E:** Three-Dimensional Analysis of the Cerebral Vasculature: Concepts and Applications. Oral Presentation, *Refresher Course: Multidimensional Image Processing, Analysis, and Display*, 91st Scientific Assembly of The Radiographic Society of North America, Chicago IL, November 27-December 2, 2005.

83. Tawk RG, Villalobos HJ, **Levy EI**, Hopkins LN: Coil Removal for Decompression of the Optic Nerve. Poster Presentation, *2006 Joint Annual Meeting of the AANS/CNS Cerebrovascular Section and American Society of Interventional & Therapeutic Neurology*, Orlando FL, February 17-20, 2006.
84. Fiorella D, **Levy EI**, Turk A, Albuquerque FC, Nieman D, Qagaard-Kienitz B, Woo H, Rasmussen PA, Hopkins LN, Masaryk TJ, Hanel RA, McDougall CG. *Management of Intracranial Occlusive Disease: Surgical and Endovascular Options*, AANS/CNS Cerebrovascular Section Annual Meeting, Orlando, FL, February 19, 2006
85. **Levi EI**. AANS Endovascular Resident Course. Faculty. American Association of Neurological Surgeons. MERI, Memphis, TN. March 31 – April 2, 2006.
86. **Levy EI**, Combined Approaches to Cerebrovascular Disease. Faculty Participant. 74<sup>th</sup> Annual Meeting of the American Association of Neurological Surgeons, San Francisco, CA. April 22 – 27, 2006.
87. **Levy EI**. Vertebroplasty: Indications and Treatment Options. Disease.. Co-Director. 74<sup>th</sup> Annual Meeting of the American Association of Neurological Surgeons. San Francisco, CA. April 22 – 27, 2006
88. Ecker RD, Lau T, **Levy EI**, Hanel RA, Guterman LR, Hopkins LN. 30 Day Morbidity and Mortality for Carotid Intervention by Physicians Who Perform Both CEA and CAS. The University at Buffalo Neurosurgery Department Experience. Oral Presentation. American Society of Neuroradiology 44<sup>th</sup> Annual Meeting, San Diego, CA, May 1-5, 2006.
89. **Levy EI**, VASCULAR RESPONSE TO COMPLEX HEMODYNAMICS IN THE APEX OF A CREATED ARTERIAL BIFURCATION INDICATING ANEURYSM DEVELOPMENT. 2006 Summer Bioengineering Conference. Amelia Island, June 2006.
90. **Levy EI**. Carotid Stenting vs. Carotid Endarterectomy. Oral Presentation. Midwest Heart Foundation Stroke Program. Time is Brain: Multi-Disciplinary Approach to Developing a Stroke Center of Excellence. Hyatt Regency, Chicago, IL. July 15, 2006.
91. **Levy EI**. Intracranial Stenting vs. Medical Management. Oral Presentation. Midwest Heart Foundation Stroke Program. Time is Brain: Multi-Disciplinary Approach to Developing a Stroke Center of Excellence. Hyatt Regency, Chicago, IL. July 15, 2006.
92. **Levy EI**. Advances in Endovascular Surgery for Hemorrhagic Stroke Treatment and Prevention. Oral Presentation. Third Annual Stroke and Neurovascular Symposium. Chicago, IL. September 9, 2006.
93. **Levy EI**, Bendok B, Guterman LR. Introduction to Endovascular Neurosurgery with Hands-on Simulation. Co-director. Congress of Neurosurgeons Annual Meeting. Chicago, IL. October 7, 2006.
94. **Levy EI**. Treatment in Ischemic Stroke Secondary to Intracranial Vascular Disease. Oral Presenter. Congress of Neurosurgeons Annual Meeting. Chicago, IL. October 10, 2006
95. **Levy EI**. Digital Masters Video Symposium. Presenter. Congress of Neurosurgeons Annual Meeting. Chicago, IL. October 11, 2006.

96. **Levy EI.** The Future of Intracranial Stents: Evolving Endovascular Techniques. Presenter. Congress of Neurosurgeons Annual Meeting. Chicago, IL. October 11, 2006.
97. **Levy EI,** Mehta R, Gupta R, Hanel RA, Chamczuk CJ, Fiorella D, Woo HH, Albuquerque FC, Hopkins LN: Deployment of Self-Expanding Stents for Recanalization of Acute Cerebrovascular Occlusions (abstract 804). Oral Presentation (October 9, 2006), *Congress of Neurological Surgeons Annual Meeting*, Chicago IL, October 7-12, 2006.
98. Fiorella D, **Levy EI,** Turk A, Albuquerque FC, Niemann D, Aagaard-Kienitz B, Woo H, Rasmussen PA, Hopkins LN, Masaryk TJ, Hanel RA, McDougall CG: Preliminary Experience with the Wingspan Stent for the Treatment of Intracranial Atheromatous Disease (abstract). Oral Presentation, *Annual Meeting of the American Academy of Neurological Surgery*; Ritz-Carlton Lodge–Reynolds Plantation, Greensboro GA; October 19, 2006.
99. Sauvageau E, Jeziorski AM, Mehta R, **Levy EI,** Hopkins LN: Middle Cerebral Artery Stenting for Acute Ischemic Stroke after Merci Retriever Failure (Abstract 9881). Poster Presentation (no. 1961), American Heart Association Scientific Sessions 2006, Chicago IL, November 12-15, 2006.
100. **Levy, EI.** Cervicocerebral Interventions 1. Live Case Session 1 Panelist. Capital Cardiovascular Conference, Harrisburg, PA, November 30 – December 1, 2006.
101. **Levy, EI.** Cervicocerebral Interventions 2. Live Case Session 2 Panelist. Capital Cardiovascular Conference, Harrisburg, PA, November 30 – December 1, 2006.
102. Albuquerque F, Fiorella D, **Levy E,** Turk A, Niemann D, Aagaard-Kienitz B, Hanel R, Woo H, Rasmussen P, Hopkins N, Masaryk T, McDougall C: Preliminary Multicenter Experience with the Wingspan Stent for the Treatment of Intracranial Stenosis (abstract 102). Oral Presentation, *Joint International Stroke Conference–AANS-CNS Cerebrovascular Section–ASITN Meeting*, San Francisco CA. *Stroke* 38:477, February 2007.
103. **Levy, EI.** Endovascular Approaches For Acute Stroke: The Battlefield and Beyond. Presenter. Medical Staff Grand Rounds, St. John’s Hospital, Springfield, MO, March 9, 2007.
104. **Levy, EI.** Secondary Stroke Prevention – Carotid Endarterectomy. Presenter. Advances in Stroke and Cerebrovascular Disease Management Course. Seattle, WA, March 23, 2007.
105. **Levy, EI.** Aneurysms: To Clip or Coil?. Presenter. Advances in Stroke and Cerebrovascular Disease Management Course. Seattle, WA, March 24, 2007.
106. **Levy, EI.** Combined Approaches to Cerebrovascular Disease. Course Faculty. American Association of Neurological Surgeons Annual Meeting, Washington DC, April 14-19, 2007.
107. **Levy, EI.** Percutaneous Vertebral Body Stabilization and Augmentation. Course Co-Director. American Association of Neurological Surgeons Annual Meeting, Washington DC, April 14-19, 2007.
108. **Levy, EI.** Endovascular Management of Ischemic and Hemorrhagic Stroke. Presenter. American Association of Neurological Surgeons Annual Meeting, Washington DC, April 14-19, 2007.

109. Bang JA, Jahromi BS, **Levy EI**, Hopkins LN: Endovascular Management of Giant Saccular Aneurysms: Clinical and Radiographic Outcome in 15 Cases. American Association of Neurological Surgeons Annual Meeting, Washington DC, April 14-19, 2007. Poster presentation.
110. Jahromi BS, Mehta R, **Levy EI**, Hopkins LN: Early Outcome Following Multimodality Endovascular Rescue in Acute Stroke. American Association of Neurological Surgeons Annual Meeting, Washington DC, April 14-19, 2007.
111. Albuquerque F, Fiorella D, **Levy E**, Turk A, Niemann D, Aagaard-Kienitz B, Hanel R, Woo H, Rasmussen P, Hopkins N, Masaryk T, McDougall C: Preliminary Multicenter Experience with the Wingspan Stent for the Treatment of Intracranial Stenosis (abstract 102). Oral Presentation, *Joint International Stroke Conference–AANS-CNS Cerebrovascular Section–ASITN Meeting*, San Francisco CA. *J Neurosurg* 106:A953, May 2007.
112. Samuelson RM, Tummala RP, Jahromi BS, Yamamoto J, Tawk RG, Atwal GS, **Levy EI**, Siddiqui AH, Hopkins LN (abstract P146): Acute Stroke from Traumatic Carotid Artery Dissection Successfully Treated with Endovascular Carotid Stent Placement. Poster Presentation, *National Neurotrauma Society Symposium*, Kansas City MO, July 29-August 1, 2007
113. Samuelson R, Tummala RP, Jahromi BS, Yamamoto J, Singh G, **Levy EI**, Siddiqui AH, Guidot CA, Hopkins LN: Aortic Arch Anatomy and Neurologic Complications with Carotid Stenting Among Octogenarians (Abstract 815). Accepted for Oral Presentation, *2007 Congress of Neurological Surgeons Annual Meeting*, September 15-20, 2007, San Diego CA. Notes: Presenting author Rod Samuelson. This presentation has two components - an oral presentation during the CNS Neurosurgical Forum and display in the Digital Poster Center.
114. **Levy EI**. Current Trends and Techniques: Treatment of Cerebral Vasospasm. Moderator. *2007 Congress of Neurological Surgeons Annual Meeting*, San Diego CA. September 15-20, 2007.
115. **Levy EI**. Digital Masters Video Symposium. Carotid Stenting using Distal Embolic Protection. Presenter. *2007 Congress of Neurological Surgeons Annual Meeting*, San Diego CA. September 15-20, 2007.
116. **Levy EI**. Navigating Change: Managing the Present and Working towards the Future Presenter. *2007 Congress of Neurological Surgeons Annual Meeting*, San Diego CA. September 15-20, 2007.
117. **Levy EI**. Introduction to Endovascular Neurosurgery: Hands-on Simulators and the Treatment of Intracranial and Extracranial Cerebrovascular Disease. Course Director. *2007 Congress of Neurological Surgeons Annual Meeting*, San Diego CA. September 15-20, 2007.
118. **Levy EI**. Modern Indications and Techniques for Open Aneurysm Surgery. Presenter *2007 Congress of Neurological Surgeons Annual Meeting*, San Diego CA. September 15-20, 2007.
119. **Levy EI**. Decision Making Analysis on the Treatment of Aneurysms. Presenter *2007 Congress of Neurological Surgeons Annual Meeting*, San Diego CA. September 15-20, 2007
120. **Levy EI**. Consult with Your Expert Colleagues –Cerebrovascular. Speaker. *2007 Congress of Neurological Surgeons Annual Meeting*, San Diego CA. September 15-20, 2007.
121. Turk AS, **Levy EI**, Albuquerque FC, Pride GL Jr, Woo H, Welch BG, Niemann DB, Purdy PD, Aagaard-Kienitz B, Rasmussen PA, Hopkins LN, Masaryk TJ, McDougall CG, Fiorella D:



- Influence of Patient Age and Stenosis Location on Wingspan In-Stent Restenosis (ISR). Oral Presentation, *69th Annual Meeting of The American Academy of Neurological Surgery*, Henderson NV, October 31-November 3, 2007
122. **Levy EI.** Plenary Session case presenter. AANS Boards Review Instructor. American Association of Neurological Surgery Boards Review Course. Houston, TX, November 4 – 6, 2007.
  123. **Levy EI.** Initial Experience with the Endovascular Treatment of Complex Aneurysms using the Cordis Enterprise Vascular Reconstruction Device. Cordis Lunch Symposium. International Stroke Conference. New Orleans, LA, February 18 – 22, 2008.
  124. **Levy EI.** Hemorrhage-Intracranial Aneurysm and Subarachnoid Hemorrhage Oral Abstracts. Co-Moderator. International Stroke Conference. New Orleans, LA, February 18 – 22, 2008.
  125. **Levy EI.** Wingspan Stent Registry and Retrospective Data. Presenter. International Stroke Conference. New Orleans, LA, February 18 – 22, 2008.
  126. Albuquerque F, Fiorella D, **Levy E**, Turk A, Niemann D, Aagaard-Kienitz B, Hanel R, Woo H, Rasmussen P, Hopkins L, Masaryk T, McDougall C: Preliminary Multicenter Experience with the Wingspan Stent for the Treatment of Intracranial Stenosis (abstract 102). Oral Presentation, *Joint International Stroke Conference–AANS-CNS Cerebrovascular Section–ASITN Meeting*, San Francisco CA. *Stroke* 38:477, February 2007
  127. **Levy EI.** New Treatment Paradigms from a Stroke Center Perspective. Key Note Speaker. Cerebrovascular Update 2008. Philadelphia, PA, March 13-14, 2008.
  128. **Levy EI.** Crossfires in Neurological Surgery. Participant. Cerebrovascular Update 2008. Philadelphia, PA, March 13-14, 2008.
  129. **Levy EI,** Interventional Neurovascular Disease: Management, Complications and Avoidance Strategies. Presenter. American Association of Neurological Surgeons Annual Meeting. Chicago, IL. April 26 – May 1, 2008.
  130. **Levy EI,** Post Market Carotid Artery Stenting Results for High Risk Symptomatic Patients and AHA Guidelines for Stroke and Death. Abstract Presentation. American Association of Neurological Surgeons Annual Meeting. Chicago, IL. April 26 – May 1, 2008.
  131. Tawk RG, Tummala RP, Mocco J, Samuelson RM, Jahromi BS, Siddiqui AH, **Levy EI,** Hopkins LN: Reversal of Flow within the Internal Carotid Artery for Carotid Stenting. Accepted for Oral Presentation as a Scientific Paper (paper 326) at the ASNR 46th Annual Meeting to be held June 2-5, 2008 in cooperation with the ASFNR, ASHNR, ASPNR, ASSR, and SNIS, Ernest N. Morial Convention Center, New Orleans LA. Presentation date: June 4, 2008.
  132. **Levy EI.** Stenting for Acute Stroke; Pros and Cons. Presenter. Society of NeuroInterventional Surgery (SNIS) Annual Meeting at Squaw Creek in Olympic Valley, CA. July 28-August 1, 2008.
  133. **Levy EI.** Introduction to Endovascular Neurosurgery: Hands-on Simulators and the Treatment of Intracranial and Extracranial Cerebrovascular Disease for Residents. Practical Course Co-Director. Congress of Neurological Surgeons Annual Conference. Orlando, FL. September 20 – 25, 2008.

134. **Levy EI.** Treatment of Cerebral Vasospasm. Seminar Moderator. Congress of Neurological Surgeons Annual Conference. Orlando, FL. September 20 – 25, 2008.
135. **Levy EI.** Carotid Stenting. Seminar Presenter. Congress of Neurological Surgeons Annual Conference. Orlando, FL. September 20 – 25, 2008.
136. **Levy EI.** Thrombolysis, Thrombectomy and Stenting for Acute Stroke. Seminar Presenter. Congress of Neurological Surgeons Annual Conference. Orlando, FL. September 20 – 25, 2008.
137. **Levy EI.** Advanced Endovascular Techniques for Complex Aneurysms. Digital Masters Video Symposium Presenter. Congress of Neurological Surgeons Annual Conference. Orlando, FL. September 20 – 25, 2008.
138. **Levy EI.** The Interventional Approach to Acute Stroke Therapy: A Moderated Case-based Multi-disciplinary Discussion. Case 1: Stroke in the Emergency Room. Presenter. Transcatheter Cardiovascular Therapeutics (TCT 2008) Conference. Washington, DC. October 12 – 17, 2008.
139. Mocco J, Darkhabani Z, Ogilvy CS, Siddiqui AH, Hopkins LN, **Levy EI:** First Case in the United States of Intracranial Stenosis Treatment with the Pharos Intracranial Stent (Poster 1380). Electronic Poster Presentation, *Annual Meeting of the American Association of Neurological Surgeons*, San Diego CA, May 2-6, 2009. Control/tracking number: 09-A-233-AANS.
140. Mocco J, Sharma J, Snyder KV, Alfay WZ, Siddiqui AH, Hopkins LN, **Levy EI:** Enterprise Vascular Reconstruction Device for Treatment of Acute Thromboembolic Stroke (Poster 1290). Electronic Poster Presentation, *Annual Meeting of the American Association of Neurological Surgeons*, San Diego CA, May 2-6, 2009. Control/tracking number: 09-A-300-AANS.
141. Mocco J (presenting author), Snyder KV, Crumlish AM, Fiorella DJ, Siddiqui AH, Hopkins LN, **Levy EI:** Final Results of an FDA-approved Prospective Multicenter Single-arm Trial of Stent-assisted Recanalization for Acute Ischemic Stroke (abstract 3236, oral presentation 144). February 19, 2009.
142. Samuelson RM, Morrison AM, Atwal GS, **Levy EI,** Hopkins LN, Young HF: Age-Related Geometric Changes of the Aortic Arch as Measured by the “Carotid Aortic Angle.” Neurosurgical Society of the Virginias Annual Meeting. January 23, 2009. White Sulphur Springs, West Virginia
143. **Levy EI,** Siddiqui AH, Hopkins LN: Is Not Essential. 3<sup>rd</sup> International Flow Symposium on Flow Measurement in Cerebrovascular Surgery. Program Faculty. Stanford University, Palo Alto, CA. February 15<sup>th</sup>, 2009.
144. **Levy EI,** Siddiqui AH, Hopkins LN: Drug Eluting Stents: Role in the Treatment of Intracranial Disease? American Heart Association International Stroke Conference. San Diego Conference Center, San Diego, CA. February 20<sup>th</sup>, 2009.
145. Mocco J, Snyder KV, Crumlish AM, CCRC, Fiorella DJ, Siddiqui AH, Hopkins LN, **Levy EI:** Final Results of an FDA approved Prospective Multicenter Single-Arm Trial of Stent Assisted Recanalization for Acute Ischemic Stroke. Oral Presentation 144 (Late-breaking abstract), *International Stroke Conference*, San Diego CA, February 19, 2009.

146. Agopian EH, Sharma J, Agrawal S, Baker JG, Janicke D, **Levy EI**, Siddiqui AH, Olson K, Ramanathan T, Munschauer FE III, Ionita CC: Impact of the Site of Intravenous Thrombolysis (in Hospital versus Remote) on Acute Ischemic Stroke Outcome. *Stroke* 40:e247, April 2009 (epub February 16, 2009 DOI: 10.1161/STROKEAHA.108.000015). Poster Presentation P406, *International Stroke Conference*, San Diego CA, February 18-20, 2009.
147. Mocco J, Sharma J, Snyder KV, Siddiqui AH, Hopkins LN, **Levy EI**: The Enterprise Vascular Reconstruction Device for Treatment of Acute Thromboembolic Stroke. *Stroke* 40:e247, April 2009 (epub February 16, 2009 DOI: 10.1161/STROKEAHA.108.000015). Poster Presentation P409, *International Stroke Conference*, San Diego CA, February 18-20, 2009.
148. **Levy EI**, Siddiqui AH, Hopkins LN: Interventional Management of Stroke. *Cerebrovascular Update 2009*. Philadelphia, PA March 20<sup>th</sup>, 2009.
149. Hauck EF, **Levy EI**. Advanced Endovascular Strategies for the Management of Complex and Giant Intracranial Aneurysms. *Sothern Neurosurgery Society Meeting*. Georgia. March 26<sup>th</sup>, 2009.
150. Hopkins LN, **Levy EI**, Siddiqui AH, Hauck EF: Endovascular I: Cerebrovascular Disease (In Collaboration with the Society for Vascular Medicine) and i2 Subclavian, Vertebral, Neurovascular/Intracranial Intervention and Acute Stroke. *ACC i2 Summit*. Orlando, Florida. March 28<sup>th</sup>, 2009.
151. Hopkins LN, **Levy EI**, Siddiqui AH, Hauck EF: Ischemic Disease – Thrombolysis, Intracranial Stenting. *Endovascular Techniques for Residents MERI*, Memphis, TN. April 17<sup>th</sup>-19<sup>th</sup>, 2009.
152. Siddiqui AH, **Levy EI**, Hopkins LN, Hauck EF: Interventional Neurovascular Disease: Avoidance and Management Complication and Endovascular Management of Ischemic and Hemorrhagic Stroke. 77<sup>th</sup> Annual Meeting of the American Association of Neurological Surgeons (AANS). San Diego, CA. May 2<sup>nd</sup>-6<sup>th</sup> 2009.
153. Matthews MS, Sharma J, Snyder KV, Ionita CC, Siddiqui AH, Hopkins LN, **Levy EI**: The Safety and Efficacy of Intra-arterial Intervention in the First 3 Hours of Acute Ischemic Strokes (poster no. 1516) Poster Presentation, Annual Meeting of *the American Association of Neurological Surgeons*, San Diego, CA May 2-6 2009.
154. Mocco J, Snyder KV, Siddiqui AH, Hopkins LN, **Levy EI**: SARIS(Stent-Assisted Recanalization in Ischemic Stroke): Mid-Term Results. Oral Presentation. *Annual Meeting of the American Association of Neurological Surgeons*, Sand Diego, CA, May 2-6 2009.
155. Snyder KV, Mocco J, Albuquerque FC, Bendok BR, Boulos AS, Carpenter JS, Fiorella DJ, Hoh BL, Howington JU, Liebman KM, Rai AT, Rodriguez-Mercado R, Siddiqui AH, Veznedaroglu E, Hopkins, LN, **Levy EI**: Occurrence of In-Stent Stenosis and/or Thrombosis After Enterprise-Assisted Aneurysm Treatment: Midterm Follow-Up of the Interstate Collaboration of Enterprise Stent-coiling (ICES) Multicenter Tegistry. Oral Presentation, *Annual Meeting of the American Association of Neurological Surgeons*, San Diego CA, May 2-6, 2009.
156. Tanweer O, **Levy EI**: Inhibition of Stretch-Activated Channels Disrupts Nitric Oxide-Mediated Vascular Remodeling (presentation no. 918). Oral Presentation, *Annual Meeting of the American Association of Neurological Surgeons*, San Diego CA, May 2-6, 2009.

157. **Levy EI**, Siddiqui AH, Hopkins LN, Hauck EF: Intra Arterial Stroke Management and Arterial Dissections Inside and Out of the Head: The Essentials. Ischemic and Hemorrhagic Update at Harvard Medical School. Boston, MA. May 18<sup>th</sup>, 2009.
158. Siddiqui AH, **Levy EI**, Hopkins LN, Hauck EF: Managing Carotid Stent Complications. 18<sup>th</sup> Annual Peripheral Angioplasty and All That Jazz Conference. New Orleans, LA. May 20<sup>th</sup>-22<sup>nd</sup> 2009.
159. Chamchuk AJ, Ogilvy CS, Snyder KV, Ota H, Siddiqui AH, Hopkins LN, **Levy EI**: Elective Stenting for Intracranial Stenosis under Conscious Sedation. Oral Presentation. *Neurological Society of America Annual Meeting*, Hot Springs, VA, June 7-10, 2009 and *2009 Congress of Neurological Surgeons Annual Meeting*, New Orleans LA, October 24-29, 2009.
160. Matthews MS, Sharma J, Snyder KV, Natarajan SK, Sorkin GC, Westhout FD, Siddiqui AH, Hopkins LN, **Levy EI**: Revascularization and Mortality Rates following Endovascular Intervention within 3 Hours of Ischemic Stroke Symptom Onset - Comparison Between Mechanical versus Pharmacological Intra-arterial Therapies. Interactive Oral Presentation, 2009 Congress of Neurological Surgeons Annual Meeting, New Orleans LA, October 24-29, 2009.
161. Ogilvy CS, Snyder KV, Natarajan SK, Yang X, Hopkins LN, Siddiqui AH, **Levy EI**, (abstract ID: 5363 final #:4). Stent assisted Coiling vs. Coiling for Paraclinoid ICA Aneurysms: Risk, Efficacy, and Outcomes. Oral Presentation, Section on Cerebrovascular Surgery Neurosurgical Forum, 2009 *Congress of Neurological Surgeons Annual Meeting*, New Orleans LA, October 24-29, 2009.
162. Ogilvy CS, Yang X, Snyder KV, Hopkins LN, Siddiqui AH, **Levy EI**: Stent-assisted Coiling of Paraclinoid Aneurysms Does Not Increase Risk of Treatment. Oral Presentation, *The American Academy of Neurological Surgery 71<sup>st</sup> Annual Meeting*, West Palm Beach FL, November 4-7, 2009 (presentation date: November 5, 2009).
163. **Levy EI**, Natarajan SK, Karmon Y, Ohta H, Snyder KV, Siddiqui AH, Hopkins LN: Prospective Analysis of Outcomes after CT Perfusion-Guided Stroke Intervention. Oral Presentation, *The American Academy of Neurological Surgery 71<sup>st</sup> Annual Meeting*, West Palm Beach, FL, November 6, 2009.
164. “Neither Time to Treatment Nor the Use of Adjunctive Intra-Arterial Thrombolytics Increase the Risk for Symptomatic Intracranial Hemorrhage After Endovascular Treatment of CT Perfusion or MRI-Selected Stroke Patients Treated at Late Time Windows: Analysis of the Pre-DAWN Dataset” was accepted for platform presentation at the 2010 ISC (Thursday, February 25, 2010).
165. Snyder, KV, Darkhabani Z, Mocco J, Siddiqui AH, **Levy EI**, Hopkins LN: Safety and Efficacy of Arteriovenous Malformation Embolization under Conscious Sedation. Poster Presentation, *XIV World Congress of Neurological Surgery*, Boston, MA August 30-September 4, 2009.
166. Snyder KV, Darkhabani Z, Mocco J, Siddiqui AH, **Levy EI**, Hopkins LN: Use of CT Perfusion to Guide Patient Selection for Endovascular Stroke Intervention: Single-center Experience. Oral Presentation, *XIV World Congress of Neurological Surgery*, Boston MA, August 30-September 4, 2009.
167. Natarajan SK, Karmon Y, Snyder KV, Ohta H, Hauck E, Hopkins LN, Siddiqui AH, **Levy EI**: Endovascular Therapy for Acute Ischemic Stroke in a Real-world Setting: Results of the

- University at Buffalo Endovascular Stroke Registry (abstract P395). *Stroke* 41:e102, April 2010. Poster Presentation, *International Stroke Conference 2010*, San Antonio TX, February 24-26, 2010.
168. Natarajan SK, Ogilvy CS, Hopkins LN, Siddiqui AH, **Levy EI**: Initial Experience with a Second-generation Everolimus-Eluting Stent for Treatment of Intracranial Atherosclerosis (abstract P230). *Stroke* 41:e61, April 2010. Poster Presentation, *International Stroke Conference 2010*, San Antonio TX, February 24-26, 2010.
  169. Tawk RG, Stone JJ, Binning M, Siddiqui A, **Levy E**, Hopkins LN: Near Simultaneous Coiling and Clot Evacuation for Ruptured Aneurysms with Intracranial Hematoma. Poster Presentation, Annual Meeting of the *American Association of Neurological Surgeons*, Philadelphia, PA, May 1-5, 2010.
  170. Natarajan SK, Hauck EF, Hopkins LN, **Levy EI**, Siddiqui AH: Endovascular Management of Symptomatic Spasm of Radial Artery Bypass Graft – Technical Case Report (poster 1371). Poster Presentation, *Annual Meeting of the American Association of Neurological Surgeons*, Philadelphia PA, May 1-5, 2010.
  171. Natarajan SK, Ogilvy CS, Yang X, Hauck EF, Sun L, Hopkins LN, Siddiqui AH, **Levy EI**: Restenosis Rates following Vertebral Artery Origin Stenting: Does Stent Type Make a Difference. Oral Presentation (Scientific Session V, Cerebrovascular; Presenting Author: Natarajan), *Annual Meeting of the American Association Of Neurological Surgeons*, Philadelphia PA, May 1-5, 2010.
  172. Natarajan SK, Xiang J, Tremmel M, **Levy EI**, Mocco J, Meng H: Hemodynamics by Computational Fluid Dynamics Correlate with Intracranial Aneurysm Rupture Status Better than Morphology by 3D Angiography (poster 1095). Poster Presentation, *Annual Meeting of the American Association of Neurological Surgeons*, Philadelphia PA, May 1-5, 2010.
  173. **Levy EI**, First Food and Drug Administration Approved Prospective Trial of Primary Intracranial Stenting for Acute Stroke (Stroke 2009) The Stroke and Vascular Neurology is honored to present the Highlights in the field section at the AAN Annual Meeting in Toronto on Thursday April 15 2010.
  174. Orion D, Siddiqui AH, **Levy EI**, Hopkins LN: When is Cessation or Reversal of Brain Flow Protection a Must in CAS: What Are Its Disadvantages? (abstract) Oral Presentation, *Veith Symposium*, New York City NY, November 18, 2010.
  175. Ionita CC, Siddiqui AH, **Levy EI**, Hopkins LN, Snyder KV, Gibbons KJ: Acute Ischemic Stroke and Infections. *J Stroke Cerebrovasc Dis* epub June 8, 2010 (doi:10.1016/j.jstrokecerebrovasdis.2009.09.011)
  176. Hoh BL, Reavey-Cantwell J, Lawson MF, Jahshan S, **Levy EI**, Siddiqui AH: International Partial Dome Protection Prevents Acute Rebleeding and Produces Favorable Clinical Outcomes. 5-11-10 Accepted for Digital Poster Presentation, *2010 Congress of Neurological Surgeons Annual Meeting*, San Francisco CA, October 16-21, 2010.
  177. Jahshan S, Natarajan SK, Karmon Y, Hopkins LN, Siddiqui AH, **Levy EI**: Results of Stent Versus Non-stent Assisted Endovascular Therapies in 489 Cerebral Aneurysms: A Single Center

- Experience (Abstract 8338, Final 1180). 5-11-10 Accepted for Digital Poster Presentation, *2010 Congress of Neurological Surgeons Annual Meeting*, San Francisco CA, October 16-21, 2010.
178. Karmon Y, Natarajan SK, Jahshan S, Hopkins LN, Siddiqui AH, **Levy EI**: Access-site Complications (ASC) after 6615 Neuroendovascular Procedures: Single –Center Experience (abstract 8137, final 24). Accepted for Oral Presentation, Section on Cerebrovascular Surgery Neurosurgical Forum, *2010 Congress of Neurological Surgeons Annual Meeting*, San Francisco CA, October 16-21, 2010. Presenting Author : Karmon
  179. Memon MZ, Natarajan SK, Sharma J, Mathews MS, Snyder KV, Siddiqui AH, Hopkins, LN, **Levy, EI**: Safety and Feasibility of Intra-arterial Eptifibatide as a Revascularization Tool in Ischemic Stroke (abstract 8109, final 62). 5-11-10 Accepted for Oral Presentation, Section On Cerebrovascular Surgery Neurosurgical Forum, *2010 Congress of Neurological Surgeons Annual Meeting*, San Francisco CA, October 16-21, 2010. Presenting Author: Memon
  180. Memon MZ, Tawk RG, Natarajan SK, Tummala RP, Siddiqui AH, Hopkins LN, **Levy EI**: Provocative Amobarbital Testing Preceding Endovascular Embolization Adds Safety and Prevents Complications in Patients with Occipital Arteriovenous Malformations (abstract 8139, final 1157). 5-11-10 Accepted for Digital Poster Presentation, *2010 Congress of Neurological Surgeons Annual Meeting*, San Francisco CA, October 16-21, 2010.
  181. Natarajan SK, Dandona P, Karmon Y, Yoo A, Kalia J, Hao Q, Hsu D, Chaudhuri A, Paluch R, Meng H, Hopkins LN, Ogilvy CS, Fiorella D, Bendok BR, Nguyen TB, Rymer M, Nanda A, Liebeskind DS, Zaidat OO, Nogueira RG, Siddiqui AH, **Levy EI**: Blood Glucose Predicts Adverse Outcomes after Endovascular Acute Ischemic Stroke Therapy: Derivation of a Glucose-based Prognostic Scale (abstract 6638, final 14). 5-11-10 Accepted for Oral Presentation, Section on Cerebrovascular Surgery Neurosurgical Forum, *2010 Congress of Neurological Surgeons Annual Meeting*, San Francisco, CA, October 16-21, 2010. Presenting author: Natarajan.
  182. Natarajan SK, Ionita C, Wang W, **Levy EI**, Siddiqui AH, Hopkins LN, Bednarek D, Rudin S: Design of a Self-expanding Asymmetric Vascular Stent (SAVS) for Aneurysm Occlusion and Evaluation in a Rabbit Elastase Model (abstract 8212, final 1167). 5-11-10 Accepted for Digital Poster Presentation, *2010 Congress of Neurological Surgeons Annual Meeting*, San Francisco, CA, October 16-21, 2010.
  183. Natarajan SK, Karmon Y, Snyder KV, Ohta H, Hauck EF, Hopkins LN, Siddiqui AH, **Levy EI** (abstract 6860, final 27): Prospective Acute Ischemic Stroke Outcomes after Endovascular Therapy Beyond Traditional Time-windows 5-11-10 Accepted for Oral Presentation, Section on Cerebrovascular Surgery Neurosurgical Forum, *2010 Congress of Neurological Surgeons Annual Meeting*, San Francisco CA, October 16-21, 2010. Presenting author: Natarajan.
  184. Natarajan SK, Nogueira RG, Gupta R, Liebeskind DS, Rymer M, Barreto A, Zaidatt OO, Rai A, Baxter B, Jovin T, **Levy EI**: Neither Time to Treatment nor the Use of Adjunctive Intra-arterial Thrombolytics Increase the Risk for Symptomatic Intracranial Hemorrhage After Endovascular Treatment of CT Perfusion or MRI-selected Stroke Patients Treated at Late Time-Windows (abstract 6639, final 1015). 5-11-10 Accepted for Digital Poster Presentation, *2010 Congress of Neurological Surgeons Annual Meeting*, San Francisco CA. October 16-21, 2010.

185. Natarajan SK, Xiang J, Tremmel M, Ma D, Mocco J, Siddiqui AH, **Levy EI**, Meng H: Hemodynamic Conditions with Morphology May Separate Ruptured Cerebral Aneurysms: A Computational Fluid Dynamics (CFD) Analysis (abstract 7747, final 1106). 5-11-10 Accepted For Digital Poster presentation, *2010 Congress of Neurological Surgeons Annual Meeting*, San Francisco CA, October 16-21, 2010.
186. **Levy, EI**. Digital Masters Video Symposium. Presenter: Carotid Stenting. *2010 Congress of Neurological Surgeons Annual Meeting*, San Francisco, CA, October 16-21, 2010.
187. Xiang J, Natarajan SK, Tremmel M, Ma D, Mocco J, Hopkins LN, Siddiqui AH, **Levy EI**, Meng H: Hemodynamic-Morphologic Discriminants for Intracranial Aneurysm Rupture. Accepted for Oral Presentation at the *72nd Annual Meeting of the American Academy of Neurological Surgery* to be held in Pebble Beach CA, November 3-6, 2010 (*Presenting author: Dr. Siddiqui; presentation date is Friday, November 5, 2010*).
188. Xiang J, Natarajan SK (co-first author), Tremmel M, Ma D, Mocco J, Hopkins LN, Siddiqui AH, **Levy EI**, Meng H: Hemodynamic-Morphologic Discriminants for Intracranial Aneurysm Rupture (abstract 1943). 10/14/10 Accepted for Moderated Poster Presentation at the *2011 International Stroke Conference*, Los Angeles CA, February 9-11, 2011 (abstract to be published in the February 2011 issue of *Stroke*).
189. **Levy, EI**. Presenter: Controversies in Cerebrovascular and Endovascular Neurosurgery. *2011 AANS 79<sup>th</sup> Annual Scientific Meeting*, Denver, Colorado, April 8 – 13, 2011.
190. **Levy, EI**. Presenter: Bypassing the Carotid Artery. *12<sup>th</sup> Annual UC San Diego Stroke Conference*, San Diego, CA, May 14, 2011.
191. **Levy, EI**. Presenter. Complex Aneurysm Management Maximizing the Interventionalists’s Solution from Coils to Flow Diversion, *2012 AANS/CNS Cerebrovascular Section Meeting, New Orleans, LA* February 1, 2012.
192. **Levy, EI**. Presenter: What More Evidence Do you Want? Devices Reduce Death and Disability. *2012 International Stroke Conference, New Orleans, LA*, February 2, 2012.
193. **Levy, EI**. Faculty. Complex Aneurysms: Creative Solutions to Daunting Problems *2012 CNS Education Committee, CNS Webinar*, November 13, 2012.
194. **Levy, EI**. Invited to serve as faculty member to the Congress of Neurological Surgeons (CNS) *CNS SANS MOC Board Review Course, Phoenix Arizona*, March 9, 2013.
195. **Levy, EI**. Presenter The Role of Neurosurgeon In Management of Ischemic Stroke, *Texas Association of Neurological Surgeons (TANS) 2014 Annual Meeting, San Antonio, Texas*, March 2014.
196. **Levy, EI**. Presenter, Update on Multi-modality Aneurysm Technologies. *Texas Association of Neurological Surgeons (TANS) 2014 Annual Meeting, San Antonio, Texas*, March 2014.
197. **Levy, EI**. Presenter “Technological Advancements In Stroke: On The Cutting Edge” *Meridian International Neuroscience Symposium, New Jersey*, October 2014
198. **Levy, EI** Presenter “AVMS: Open or Closed Approach” *TriStar Neuroscience Symposium, Nashville TE*, October 2014

199. **Levy, EI** Presenter “Vascular Open Surgery vs Pipeline Flow Diversion” *Congress of Neurosurgeons 2014 Annual Meeting*, Boston MA October 2014
200. **Levy, EI** Presenter “The Future of Vascular Neurosurgery” *Congress of Neurosurgeons 2014 Annual Meeting*, Boston MA October 2014
201. **Levy, EI** Presenter “The Role of Stenting In The Era Of Stentrieviers” *Congress of Neurosurgeons 2014 Annual Meeting*, Boston MA October 2014

### **LOCAL PRESENTATIONS, ORAL POSTERS, AND INVITED LECTURES**

1. **Levy EI.** Modern Stroke Therapy and Intervention. Presented for *Nursing Grand Rounds Teleconference. Millard Fillmore Hospital JCAHO Stroke Education Program Buffalo, NY.* January 17, 2005.
2. Hanel RA, **Levy EI**, Guterman, LR, Hopkins LN. Updated on Carotid Stenting. *19th Annual Cardiology Update, Olean, NY* Apr 30, 2005.
3. **Levy EI.** Minimally Invasive Spine Surgery Techniques. Oral Presenter. *Buffalo Medical Group Meeting. Double Tree Hotel, Buffalo, NY.* May 5, 2005.
4. **Levy EI**, Hanel RA, Ecker RD. “Carotid Revascularization”. Oral Presentation. *Kaleida Health Alumni Weekend, Webster Hall, Millard Fillmore Gates Hospital.* October 15, 2005.
5. **Levy, EI.** EMS program Presentation and Live Case Demonstration. *Webster Hall, Millard Fillmore Gates Circle Hospital.* May 31, 2007.
6. **Levy, EI.** Advances in Stroke Intervention: The Battlefield and beyond. *Medina Memorial, Hospital, Medina, NY.* June 12, 2007.
7. Morrison AM, Samuelson RM, Tummala RP, Atwal GS, Jahromi BS, Yamamoto J, **Levy EI**, Siddiqui AH, Guidot CA, Hopkins LN: Age-Related Changes in Human Aortic Arch Anatomy. *4th Annual University at Buffalo Honors Program Research Poster Showcase, Spring Open House, Buffalo NY, March 29, 2008.* Awarded Second Place
8. **Levy EI.** Complication Avoidance (Atherosclerotic Disease & Stroke). Oral Presentation. *Cerebrovascular Complications Conference. Jackson Hole, WY.* July 9-12, 2008.
9. **Levy EI.** Stenting for Acute Stroke; pros and cons. Oral Presentation. *Society of NeuroInterventional Surgery 5<sup>th</sup> Annual Meeting. Olympic Valley, CA.* July 28 – August 1, 2008.
10. **Levy EI.** Ischemic and Hemorrhagic Stroke. Oral Presentation. *Grand Rounds. Kenmore Mercy Hospital. Buffalo, NY.* August 5, 2008.



11. **Levy EI.** Acute (Ischemic and Hemorrhagic) Stroke Intervention and Prevention. Oral Presentation. *Grand Rounds. Kenmore Mercy Hospital. Buffalo, NY.* August 5, 2008.
12. Tremmel M, **Levy EI**, Xiang J, Dhar S, Hopkins LN, Meng H. Aneurysm Treatment through Hemodynamic Alteration by Multiple Stents. Poster Presentation. *Neuroscience Day, The Annual Meeting of the Society for Neuroscience (Buffalo Chapter)*, September 13, 2008, Buffalo, NY.
13. Ogilvy CS, Yang X, Natarajan SK, Hauck EF, SunL, Lewis-Mason L, Hopkins LN, Siddiqui AH, **Levy EI**: Restenosis Rates following vertebral artery origin stenting: does stent type make a difference?" Accepted for Presentation, *Neurological Society of America (NSA) Meeting*, Pebble Beach (CA) April 14, 2010.
14. **Levy, EI**, "The Future of Stroke". Oral Presentation, 2<sup>nd</sup> Annual Comprehensive Care of the *Neurovascular Patient Conference in Atlantic City, New Jersey*, April, 2010.
15. **Levy, EI**, "Self Expanding Stents in Acute Ischemia". Live Oral Presentation, *LINC Houston and ICS Conference, Houston, Texas*, September 13-16, 2010.
16. **Levy, EI**, "Current Stenting Trials for ICAD". Live Oral Presentation, *LINC Houston and ICS Conference, Houston, Texas*, September 13-16, 2010.
17. **Levy, EI**, "Approved and Cutting Edge Stroke Therapy". Oral Presentation, *Neuroscience Symposium, Seneca Niagara Casino, Niagara Falls, NY.* October 1, 2010.
18. Ionita CN, Natarajan SK (co-first author), Wang W, Hopkins LN, **Levy EI**, Siddiqui AH, Bednarek DR, Rudin S: Evaluation of a New Self-expanding Variable Porosity Flow-diverter (V-POD) in a Rabbit Elastase Aneurysm Model (abstract 1942). 10/14/10 Accepted for Oral Presentation at the *2011 International Stroke Conference*, Los Angeles CA, February 9-11, 2011 (abstract to be published in the February 2011 issue of *Stroke*).
19. **Levy, EI**, Oral Presentation, "Aquilion ONE and Toshiba BiPlane Angio systems to the Physicians at *Souther Tier Imaging , Binghamton Country Club, Endwell, New York*, September 2011
20. **Levy, EI**. Live Case Transmission via Telemedicine Technology, Unyielding Progress: Carotid Stenting (Findings and Practice) *Transmitted live from Buffalo to CNS Annual Meeting, Washington, DC.* October 4, 2011
21. **Levy, EI**. Live Case Transmission, via Telemedicine Technology, Aneurysm Reconstruction with Flow Diversion, *Transmitted live from Buffalo to CNS Annual Meeting, Chicago, Illinois*, October 9, 2012.
22. **Levy, EI**, Oral Presentation, "Stroke Intervention...The Future is Now". *12<sup>th</sup> Annual Current Concepts in Cardiovascular Management., Millennium Hotel, Buffalo, NY.* November 16, 2012.
23. **Levy, EI**, Oral Presentation, "Program For Understanding Childhood Concussions and Stroke" (PUCCS). *First Annual 2012 Concussion Symposium, Ralph Wilson Stadium, Orchard Park, New York.*

24. **Levy, EI**, Two Live Case Transmissions, Aneurysm Treatment with Flow Diversion: via Telemedicine Technology, *Broadcast live from the Gates Vascular Institute, Buffalo, NY to the LINC Conference in Houston, TX*, December 11, 2012.
25. Dumont TM, Eller JL, Sorkin GC, Mokin M, Lo TP Jr, Snyder KV, Hopkins LN, Siddiqui AH, **Levy EI**: Aneurysm Treatment with Flow Diversion: Two Live Cases from **the** Gates Vascular Institute. *Clin Neurosurg* 60:48-56, August 2013 (epub July 9, 2013 DOI: 10.1227/01.neu.0000430317.01821.8b).
26. Dumont TM, Mokin M, Eller JL, Sorkin GC, Snyder KV, Hopkins LN, Siddiqui AH, **Levy EI**: Submaximal Angioplasty Prospective Registry: Preliminary Report (oral presentation abstract). *Neurosurgery* 60 Suppl 1:156, August 2013. PMID 23839376 [not peer reviewed]

## RESEARCH INTERESTS:

### Basic Science:

Molecular biology of stent-induced restenosis

### Clinical:

- Drug coated stents
- Novel techniques in endoluminal revascularization
- Treatment of acute stroke
- Stenting of aneurysms

## OTHER RESEARCH RELATED ACTIVITIES:

### Editorships:

Surgical Neurology 2003-present  
Ad Hoc Reviewer

Neurology 2003-present  
Ad Hoc Reviewer

Neurology India 2003-present  
Ad Hoc Reviewer

The NeuroReport 2005-present

Editor-in-Chief  
Curriculum Vitae  
07/07/14

Elad Levy, MD

Neurosurgery Ad Hoc Reviewer	2005 – present
American Journal of NeuroRadiology Ad Hoc Reviewer	2005 - present
Interventional Radiology Section, STROKE Co-editor	2006 - 2008
STROKE Editorial Board Member	2006 - present
Circulation Ad Hoc Reviewer	2006 – present
ENRG Cerebrovascular Travel Group Research Member	2006 – present
Journal of Neuroimaging Ad Hoc Reviewer	2009 - present
Journal of Neurointerventional Surgery Ad Hoc Reviewer	2009 – present
Clinical Neurology and Neurosurgery Ad Hoc Reviewer	2009- present
The Lancet Neurology Ad Hoc Reviewer	2012
Integrated Diagnostics Magazine Magazine Physician Editor for Toshiba American Medical Systems	2013
International Journal of Stroke Ad Hoc Reviewer/Referee	2013 – present
The Lancet Ad Hoc Reviewer	2014
Brain Injuries in Football Content Consultant	2014
Editorial Review Board of Neurosurgery Journal Endovascular Section Editor	2014-2017
Cerebrovascular Diseases Journal Ad Hoc Reviewer/Referee	2015

## SERVICE

### **UNIVERSITY AND MEDICAL SCHOOL:**

1994-1997	Beaumont Society for Medical Research
1995-1996	Neuroanatomy tutor to first-year medical students at George Washington University School of Medicine
1996-1997	George Washington University School of Medicine Honor Code Council

### **COMMUNITY SERVICE:**

1993-1997	Stroke screening and health awareness program, National Stroke Association and George Washington University Medical Center
2001-2003	Education for underprivileged high school students about opportunities in Neurosurgery, Neurology, and Neuroscience
2007 - Present	Grammar School Presentation Series on Brain Injury and Helmet Safety
2009 – Present	KADIMAH School Board
2010 – Present	Founder and President of “Program for Understanding Childhood Concussion & Stroke” (PUCCS) As of 2013 raised 300k for this charity

### **CORPORATE:**

2002 - Present	Cordis Neurovascular , Consultant
2003 - Present	Boston Scientific, Target Therapeutics, Grant Funding
2008 – Present	Micrus Advisory Board
2009 – Present	Case review for Department of Health
2009- Present	Medtronic Navigation Technology Advisory Board

