

CURRICULUM VITAE

BIOGRAPHICAL

Name: Elad I. Levy, MD, FACS, FAHA

Birth Place: Tiberius, Israel

Citizenship: United States

Office Address: University at Buffalo Neurosurgery
3 Gates Circle
Buffalo, NY 14209

Work Phone: (716) 887-5200

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PRESENT ACADEMIC APPOINTMENT:

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

HOSPITAL AFFILIATIONS:

Kaleida Health

Millard Fillmore Gates Hospital
3 Gates Circle
Buffalo, NY 14209
716-887-4663

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

Strong Health

University of Rochester Medical Center
601 Elmwood Avenue
Box 612
Rochester, NY 14642
585-784-8822

Staff Status: Attending
Dates: 9/05 - Present

Olean General Hospital

515 Main Street
Olean, NY 14760
716-373-2600

Staff Status: Consulting
Dates: 9/27/06 – 9/30/09

Medina Memorial Health Care System

200 Ohio Steet
Medina, NY 14103
585-798-2000

Staff Status: Telestroke Staff
Dates: 9/26/06 – Present

Niagara Falls Memorial Medical Center

621 Tenth Street
Niagara Falls, NY 14302
716-278-4000

Staff Status: Telemedicine Consulting
Privileges in Neurosurgery
Dates: 10/25/06 – Present

Brooks Memorial Hospital

529 Central Avenue
Dunkirk, NY 14048
716-363-7206

Staff Status: Consulting
Dates: 12/17/07 - Present

TLC Health Network

845 Rt. 5& 20
Irving, NY 14081
716-951-7273

Staff Status: Provisional/Consultant
Dates: 2/27/07 - Present

Wyoming County Community Hospital

400 North Main Street
Warsaw, NY 14569
585-786-2233

Staff Status: Telemedicine Privileges
Dates: June 27, 2007

Jones Memorial Hospital

191 North Main Street
Wellsville, NY 14895
585- 593-1100

Staff Status: Associate Consulting Staff
Dates: 3/28/07 – Present

United Memorial Medical Center

127 North Street
Batavia, NY 14020

Staff Status: Provisional Telemedicine
Dates: June 2007 - Present

St. Joseph Hospital

2605 Harlem Rd.
Cheektowaga, NY 14225-4097
716-891-2610

Staff Status: Active Provisional
Dates: 9/30/07 – 8/31/09

Sisters of Charity Hospital

2157 Main Street
Buffalo, NY 14214
716-862-1910

Staff Status: Courtesy Provisional

Dates: 10/31/07 – 8/31/09

Mercy Hospital of Buffalo

565 Abbott Rd.
Buffalo, NY 14220
716-828-2055

Staff Status: Active Provisional
Dates: 11/30/07 – 8/31/09

Kenmore Mercy Hospital

2950 Elmwood Ave.
Kenmore, NY 14217
716-447-6096

Staff Status: Pending

St. Vincent's Health Center

232 West 25 Street
Erie, PA 16544
814-452-7812

Staff Status: Temporary Privileges
Dates: March 4, 2008

WCA Hospital

207 Foote Avenue
PO Box 840
Jamestown, NY 14702-0840
716-487-0141

Staff Status: Consulting
Dates: 4/28/2008 - Present

Bertrand Chaffee Hospital

224 East Main Street
Springville, NY 14141
716-592-2871

Staff Status: Application Submitted
Dates: Pending

EDUCATION AND TRAINING

UNDERGRADUATE:

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

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

1997-1998	University of Pittsburgh Pittsburgh, PA	Surgical Internship
1998-2004	University of Pittsburgh Pittsburgh, PA	Neurosurgical Residency
2001-2003	University at Buffalo State University of New York Buffalo, NY	Fellowship, Endovascular Surgery

APPOINTMENTS AND POSITIONS

NATIONAL COMMITTEES / ASSOCIATIONS:

2007	Cerebrovascular Section Representative for the 2007 Congress of Neurological Surgeons Annual Meeting Scientific Planning Committee
2007 - 2008	Nominated for Member-at-Large of the 2007 -2008 Congress of Neurological Surgeons Executive Committee
2007 – 2008	Cerebrovascular Complications Conference Co-Chair, Cerebrovascular Section of the American Association of Neurological Surgeons / Congress of Neurological Surgeons
2007 - 2008	Fellowship Committee Chair, Congress of Neurological Surgeons
2008 – Present	American Association of Neurological Surgeons / Congress of Neurological Surgeons Joint Guidelines Committee member

2008 – Present	Congress of Neurological Surgeons Ad Hoc Committee on Best Practices and Ethical Standards
2008 – Present	American Medical Association member
2008	Congress of Neurological Surgeons Scientific Program Strategic Planning/Oversight Committee
2008	Congress of Neurological Surgeons Neurosurgical Forum Committee
2008	Congress of Neurological Surgeons Cerebrovascular Section Liaison
2008	Congress of Neurological Surgeons Abstract Selection Committee for Cerebrovascular Section
2008	Congress of Neurological Surgeons 2009 Practical Course Chair
2008 – Present	American Academy of Neurological Surgery member
2009 – Present	Medical Society of the State of New York
2009 – Present	AANS Mentor
2009 – Present	Kaleida Health Medical and Dental Staff Ad Hoc Committee
2009 – Present	SNIS Membership
2009 – Present	Oral Board Preparatory Course Instructor
2009- Present	Consultant for the Physicians’ Council for Responsible Reform

PROFESSIONAL APPOINTMENTS:

2004 – Present	OR Committee, Millard Fillmore Hospital
2005 – Present	Family Practice Management Planning Governing Board Member, University at Buffalo, State University of New York
2005 – 2006	Family Practice Management Planning Audit Committee, University at Buffalo, State University of New York
2006 – Present	Director, Stroke Research, Department of Neurosurgery, University at Buffalo, State University of New York
2006 – Present	Co-Director Cerebrovascular Surgery, Department of Neurosurgery, University at Buffalo, State University of New York
2006 – Present	Assistant Director: Resident Clinical Education, Department of Neurosurgery, University at Buffalo, State University of New York

2006 – Present Secretary, University at Buffalo Neurosurgery, Inc.

2006 – Present Director of Endovascular Fellowship Program, Department of Neurosurgery, University at Buffalo, State University of New York

2006 – Present Co-director of Kaleida Health Stroke Center

2006 – Present Director of Endovascular Stroke Treatment and Research, Department of Neurosurgery, University at Buffalo, State University of New York

2006 – Present Director of the Toshiba Neuroendovascular Cath Lab, Department of Neurosurgery, University at Buffalo, State University of New York

2009 – Present Appointed to Health Sciences Institutional Review Board (HSIRB)

NON-ACADEMIC APPOINTMENTS:

2001-2003 Visiting Fellow, University at Buffalo, State University of New York

2009-present Scientific Staff Buffalo Police Department

CERTIFICATION AND LICENSURE

SPECIALTY CERTIFICATION:

*-Status: Board Certified
Diplomate of the American Board of Neurological Surgery*

Passed Oral Board Examination	May 23, 2007
American Board of Neurological Surgery (written) (Passed 95 th percentile)	2001

MEDICAL/PROFESSIONAL LICENSURE

Commonwealth of Pennsylvania	8/4/99 - Present
State of New York	8/1/01- Present

MEMBERSHIPS IN PROFESSIONAL AND SCIENTIFIC SOCIETIES

1999 – Present American Association of Neurological Surgeons

2006 – Present Congress of Neurological Surgeons

2007 – Present	Ex officio member, Executive Council, AANS/CNS Cerebrovascular Section
2008 – Present	Fellow of the American College of Surgeons
2009 - Present	Fellow of the American Heart Association/American Stroke Association (FAHA)

HONORS

Dartmouth College Presidential Citation (for distinguished research in the social sciences)	1991-1992
Dartmouth College Presidential Citation (for distinguished research in physics)	1991-1992
Presidential Scholar Research Assistantship Department of Molecular Biology Dartmouth College	1992
Gill Foundation Fellowship (summer research fellowship awarded to first year medical students)	1994
Beaumont Society Poster Presentation Award (for medical student poster presentation of data concerning cytokine production by meningiomas and other brain neoplasms)	1995
Beaumont Society Dr. Harold Lamport Biomedical Research Award (for meritorious research completed during medical training at G.W.U.M.C.)	1996
Walter Freeman Award (for best medical student paper based on original investigation)	1997
Kane-King-Dodek Society (elected active fellow)	1997
Graduate with Distinction, Doctor of Medicine George Washington University Washington, DC	1997
Annual Meeting of the Southern Neurosurgical Society Award for Best Paper in the Basic Science Category (for the histological response of cerebral vessels after randomized blinded implantation of heparin-coated and uncoated endoluminal stents)	2003
AANS/CNS Joint Cerebrovascular Section Mullen Endovascular Fellowship Award	2002-2003
Resident Teaching Award, Department of Neurosurgery at the University of Pittsburgh	2003-2004
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
Alpha Omega Alpha Summer Fellowship for participation on research proposal on Stretch-Activated Channels and Vascular Remodeling	2008
Thomas J. Linnemeier Spirit of Interventional Cardiology Young Investigator Award (runner-up)	2008

Business First – Top 50 Doctors in Western New York

PUBLICATIONS

PUBLICATIONS AS FIRST AUTHOR:

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. (*peer reviewed journal*).
2. **Levy EI**, Resnick DK, Jannetta PJ, Bissonette DJ. Pediatric Hemifacial Spasm: The Efficacy of Microvascular Decompression. *Pediatric Neurosurgery* 1998 27: 238-241. (*peer reviewed journal*).
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. (*peer reviewed journal*).
4. **Levy EI**, Clyde B, McLaughlin MR, Jannetta PJ. Microvascular Decompression for Severe Refractory Hypertension. *Neurosurgery* 1998 43(1):1-6. (*peer reviewed journal*).
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. (*peer reviewed journal*).
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. (*peer reviewed journal*).
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. (*peer reviewed journal*).
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. (*peer reviewed journal*).
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. (*peer reviewed journal*).

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. (*peer reviewed journal*).
11. **Levy EI**, Scarrow AM, Jannetta PJ. Microvascular decompression in the treatment of hypertension: review and update. *Surgical Neurology* 2001 55(1):2-10. (*peer reviewed journal*).
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. (*peer reviewed journal*).
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. (*peer reviewed journal*).
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. (*peer reviewed journal*).
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. (*peer reviewed journal*).
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. (*peer reviewed journal*).
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. (*peer reviewed journal*).
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. (*peer reviewed journal*).
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. (*peer reviewed journal*).
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. (*peer reviewed journal*).

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. (*peer reviewed journal*).
24. **Levy EI**, Boulos AS, Hanel RA, Fermin T, Alberico RA, Franckowiak MD, Nemes B, Paciorcek 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. (*peer reviewed journal*).
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. (*peer reviewed journal*).
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. (*peer reviewed journal*).
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. (*peer reviewed journal*).
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. (*peer reviewed journal*).
29. **Levy EI**, Hopkins LN: Emergency Stent Placement for Symptomatic Acute Carotid Artery Occlusion After Carotid Endarterectomy. *J Neurosurg* 101:151-153, July 2004. (*peer reviewed journal*).
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. (*peer reviewed journal*).
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. (*peer reviewed journal*).
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

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. (*peer reviewed journal*).
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. (*peer reviewed journal*).
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. (*peer reviewed journal*).
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. (*peer reviewed journal*).
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. (*peer reviewed journal*).
38. **Levy EI**, Mehta R, Gupta R, Hanel RA, Chamczuk 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. (*peer reviewed journal*).
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. (*peer reviewed journal*).
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. (*peer reviewed journal*).
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 28th, 2009. (*peer reviewed journal*.)
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).

PUBLICATIONS AS SENIOR AUTHOR

1. Horowitz MB, **Levy EI**. Endovascular management of wide necked aneurysms. *Contemporary Neurosurgery* 2001 23(8):1-9. (*peer reviewed journal*).
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.]. (*peer reviewed journal*).
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. (*peer reviewed journal*).
4. Veznedaroglu E, **Levy EI**: Endovascular Management of Acute Symptomatic Intracranial **Arterial** Occlusion. *Neurosurgery Supplement* 59:S3-242–S3-250, November 2006. (*peer reviewed journal*).
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. (*peer reviewed journal*).
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. Chiam PTL, Samuelson RM, Mocco J, Hanel RA, Siddiqui AH, Hopkins LN, **Levy EI**: Navigability Trumps All: Stenting of Acute Middle Cerebral Artery Occlusions with a New Self-Expandable Stent. *AJNR Am J Neuroradiology* (epub September 3, 2008 doi:10.3174/ajnr.A1221). (*peer-reviewed journal*).
8. Jahromi BS, Mocco J, Bang JA, Gologorsky Y, Siddiqui AH, Horowitz MB, Hopkins LN, **Levy EI**: Clinical and Angiographic Outcome after Endovascular Management of Giant Intracranial Aneurysms. *Neurosurgery* 63:662-675, October 2008. (*peer reviewed journal*).
9. Mocco J, Snyder KV, Albuquerque FC, Bendok BR, Boulos AS, Carpenter JS, Fiorella DJ, Hoh BL, Howington JU, Jankowitz BT, Liebman KM, Rai AT, Rodriguez-Mercado R, Siddiqui AH, Veznedaroglu E, Hopkins LN, **Levy EI**: Treatment of Intracranial Aneurysms with the Enterprise Stent: A Multicenter Registry. *J Neurosurg* (epub October 31, 2008; DOI 10.3171/2008.7.JNS08322. (*peer reviewed journal*).
10. Mocco J, Snyder KV, Albuquerque FC, Bendok BR, Boulos AS, Carpenter JS, Fiorella DJ, Hoh BL, Howington JU, Jankowitz BT, Liebman KM, Rai AT, Rodriguez-Mercado R, Siddiqui AH, Veznedaroglu E, Hopkins LN, **Levy EI**: Treatment of Intracranial Aneurysms with the Enterprise Stent: A Multicenter Registry. *J Neurosurg* (epub October 31, 2008; DOI 10.3171/2008.7.JNS08322); *J Neurosurg* 110:35-39, January 2009.
11. Mocco J, Tawk RG, Jahromi BS, Samuelson RM, Siddiqui AH, Hopkins LN, **Levy EI**: Endovascular Intervention for Acute Thromboembolic Stroke in Young Patients: An Ideal Population for Aggressive Intervention? *J Neurosurg* (epub September 26, 2008; DOI 10.3171/2008.4.17510); *J Neurosurg* 110:30-34, January 2009.

12. Mocco J, Darkhabani Z, **Levy EI**: Pharos Neurovascular Intracranial Stent: Elective Use for a Symptomatic Stenosis Refractory to Medical Therapy. *Catheter Cardiovasc Interv* (in press).
13. **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.

PUBLICATIONS AS CO-AUTHOR

1. Henn JS, Detwiler P, Porter RW, **Levy EI**, Spetzler RF. Hemangioblastoma with a characteristic “Dural Tail Sign”: Case Report. *BNI Quarterly* 1998 14(3): 22-24.
2. Resnick DK. **Levy EI**, Jannetta PJ, Bissonette DJ. Pediatric Trigeminal Neuralgia: The Efficacy of Microvascular Decompression. *Neurosurgery* 1998 43 (4): 804-808. (*peer reviewed journal*).
3. Firlik AD, **Levy EI**, Kondziolka D, Yonas H. Staged Volume Radiosurgery Followed by Microsurgical Resection. A Novel Treatment for a Giant Cerebral Arteriovenous Malformation. *Neurosurgery* 1998 43(5):1223-8. (*peer reviewed journal*).
4. Rubin G, Firlik AD, Pindzola RR, **Levy EI**, Yonas H: The effect of reperfusion therapy on cerebral blood flow in acute stroke . *Journal of Stroke and Cerebrovascular Diseases* 1999 8(1):9-16. (*peer reviewed journal*).
5. Kondziolka D, **Levy EI**, Niranjan A, Bissonette D, Flickenger JC, Lunsford LD: Long-term Outcomes After Meningioma Radiosurgery: The Physicians’ and Patients’ Perspective. *J Neurosurg.* 1999 1(1):44-50. (*peer reviewed journal*).
6. Lee S. **Levy EI**, Scarrow AM. Jannetta PJ: Recurrent trigeminal neuralgia due to regrowth of veins. *Neurosurgery* 1999 45(3): 737-738. (*peer reviewed journal*).
7. Thompson TP, **Levy EI**, Kanal E, Lunsford LD. Iatrogenic pneumocephalus secondary to intravenous catheterization. Case report. *Journal of Neurosurgery* 1999 91(5):878-80. (*peer reviewed journal*).
8. Scarrow AM, Colina JL, **Levy EI**, Welch WC. Thyroid carcinoma with isolated spinal metastasis: case history and review of the literature. *Clinical Neurology & Neurosurgery* 1999 101(4):245-8. (*peer reviewed journal*).
9. Rubin G, Firlik AD, **Levy EI**, Pindzola RR. Yonas H: Xenon-enhanced computed tomography cerebral blood flow measurements in acute cerebral ischemia: Review of 56 cases. *Journal of Stroke and Cerebrovascular Diseases* 1999 8 (6), 404-411. (*peer reviewed journal*).

10. Lee SH, **Levy EI**, Scarrow AM, Kassam A, Jannetta PJ. Recurrent trigeminal neuralgia attributable to veins after microvascular decompression. *Neurosurgery* 2000 46(2):356-61. *(peer reviewed journal)*.
11. Rubin G, **Levy EI**, Scarrow AM, Firlik AD, Karakus A, Wechsler L, Jungreis CA, Yonas H. Remote effects of acute ischemic stroke: A xenon CT cerebral blood flow study. *Cerebrovascular Disease* 2000; 10(3):221-8. *(peer reviewed journal)*.
12. Rubin G, Firlik AD, **Levy EI**, Pindzola RR, Yonas H. Relationship between cerebral blood flow and clinical outcome in acute stroke. *Cerebrovascular Diseases* 2000 10(4):298-306. *(peer reviewed journal)*.
13. Scarrow AM, **Levy EI**, Pascucci L, Albright AL. Outcome analysis of endoscopic III ventriculostomy. *Childs Nervous System* 2000 16(7):442-444. *(peer reviewed journal)*.
14. Hadjipanayis CG, **Levy EI**, Niranjana A, Firlik AD, Kondziolka D, Flickinger JC, Lunsford LD. Stereotactic radiosurgery for motor cortex region arteriovenous malformations. *Neurosurgery* 2001 48(1):70-76. *(peer reviewed journal)*.
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18. Tummala RP, **Levy EI**, Hopkins LN: Comment. Yu, SCH, Cheng HKM, Wong GKC, Chan CM, Cheung JY, Poon WS: Transvenous Embolization of Dural Carotid-cavernous Fistulae with Transfacial Catheterization Through the Superior Ophthalmic Vein. *Neurosurgery* 60:1037-1038, June 2007.
19. Fiorella D, **Levy EI**, Turk A, Woo HH, Albuquerque FC, McDougall CG: Response to Letter by Gupta et al. (Gupta R, Zaidat O, Majiid A regarding US Multicenter Experience With the Wingspan Stent System for the Treatment of Intracranial Atheromatous Disease: Periprocedural Results. *Stroke* 38:e80, September 2007.) *Stroke* 38:e81-e82, September 2007.
20. **Levy EI**, Hopkins LN: Comment. Kelly ME, Turner R, Gonugunta V, Woo HH, Rasmussen PA, Masaryk TJ, Fiorella D: Stent Reconstruction of Wide-Necked Aneurysms Across the Circle of Willis. 61 (5 suppl 2):254-255, November 2007.
21. **Levy EI**, Turk AS, Fiorella DJ, Albuquerque FC, Pride GL Jr, Woo HH, Welch BG, Niemann DB, Purdy PD, Aagaard-Kienitz B, Rasmussen PA, Hopkins LN, Masaryk TJ, McDougall CG: Response to Editorial "How Do We Spin Wingspan?" (Letter to the Editor) *Am J Neuroradiol* . April 3, 2008 [epub].
22. Samuelson R, **Levy EI**, Siddiqui AH, Hopkins LN: LETTER TO THE EDITOR Regarding "Update to the AHA/ASA Recommendations for the Prevention of Stroke in Patients with Stroke and Transient Ischemic Attack" (*Stroke*, May 2008) THE COST OF STROKE PREVENTION. *Stroke* epub December 18th, 2008 (doi 10.1161/STROKEAHA.108.520734; *Stroke* 40:e41-e42, February 2009.
23. Samuelson RM, **Levy EI**: Comment. Sanai N, Tarapore P, Lee AC, Lawton MT: The Current Role of Microsurgery for Posterior Circulation Aneurysms: A Selective Approach in the Endovascular Era. *Neurosurgery* 62:1253, June 2008.
24. Mocco J, **Levy EI**: Comment. Kwon BJ, Chang HW, Youn SW, Kim J-E, Han MH: Intracranial Aneurysm Perforation during Endosaccular Coiling: Impact on Clinical

- Outcome, Initial Occlusion, and Recanalization Rates: *Neurosurgery* 63:683, October 2008.
25. Siddiqui AH, **Levy EI**, Hopkins LN: Comment. Zanini MA, Jory M, Caldas JGMP: Giant Fusiform Aneurysm Arising from Fenestrated Posterior Cerebral Artery and Basilar Tip Variation: Case Report. *Neurosurgery* 64:E565, March 2009.
 26. **Levy EI**, Siddiqui AH, Langer DJ, Ogilvy CS, Hopkins LN: Cerebrovascular Surgery: Evolution or Obsolescence (Letter to the Editor) *J Neurosurg* 111:195-197, July 2009.
 27. Natarajan SK, **Levy EI**: Neuro Wiki: Your Online Neurosurgery Library. Congress Quarterly CNSQ (in press, Winter 2010).

ABSTRACTS:

1. Rubin G, Firlik AD, Yonas H, Wechsler LR, **Levy EI**. Effect of reperfusion therapy on cerebral blood flow in acute stroke. *J Neurosurg* 1998 88:183A.
2. **Levy EI**, Firlik AD, Rubin G, Wisniewski S, Jungreis CJ, Wechsler LR, Yonas H. Is intra-arterial thrombolysis for acute vertebrobasilar artery occlusion justified? A meta-analysis of prognostic factors. *Neurosurgery* 1998(43):671.
3. Rubin G, **Levy EI**, Pindzola RR, Yonas H, Firlik AD. Are XeCT CBF studies able to predict outcome in patients with acute ischemic stroke? A review of 50 patients. Presented at the 48th Annual Meeting of the Congress of Neurological Surgeons, Seattle, Washington, October 3-8, 1998.
4. Scarrow AM, Kassam AB, Patel A, **Levy EI**, Horowitz M, Yonas H, Janetta PJ. Effects of botulinum toxin on clinical outcome of microvascular decompression for hemifacial spasm. *Skull Base Surgery* 2000 (10):28, Suppl 1.
5. Branch M, **Levy E**, Snyderman CH, Kassam A. "Transnasal Endoscopic Resection of Synchronous Pituitary Adenoma and Suprasellar Meningioma." *Skull Base: An Interdisciplinary Approach*, Vol. 14, Supplement 1, February, 2004.
6. **Levy EI**, Hanel RA, Sherman D, Tio FO, Bailey L, Cunningham M, Williard C, Kopia G, Dooley J: A Randomized Blinded Assessment of Pharmacokinetics and Pharmacodynamics of Sirolimus-Eluting Stents in the Canine Cerebral Circulation (paper 45). *J Neurosurg* 102:A420, February 2005.
7. 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 (Abstract). *J Neurosurg* 102:A795-A796, April 2005.
8. **Levy EI**, Sauvageau E, Hanel RA, Paciorek AM, Hopkins LN: Self-Expanding versus Balloon-Mounted Stent-Assisted Recanalization of Embolic Occlusion: An In Vivo Study. *2006 Joint Annual Meeting of the AANS/CNS Cerebrovascular Section*

and American Society of Interventional & Therapeutic Neurology, Caribe Royale Orlando, Orlando FL, February 17-20, 2006.

9. Horowitz MB, **Levy EI**, Sauvageau E, Genevro J, Guterman LR, Hanel RA, Wehman JC, Gupta R, Jovin TG: Intra/Extra-Aneurysmal Stent Placement for Management of Wide-Necked Aneurysm: Waffle Cone Technique. *2006 Joint Annual Meeting of the AANS/CNS Cerebrovascular Section and American Society of Interventional & Therapeutic Neurology*, Caribe Royale Orlando, Orlando FL, February 17-20, 2006. Abstract # 06-A-68-CV/ASITN.
10. **Levy EI**, Sauvageau E, Hanel RA, Paciorek AM, Hopkins LN: Self-Expanding versus Balloon-Mounted Stent-Assisted Recanalization of Embolic Occlusion: An In Vivo Study (paper 9). *Neurosurgery* 58:399, February 2006 (abstracts of Oral Proceedings, 2006 Joint Annual Meeting of the AANS/CNS Cerebrovascular Section and the American Society of Interventional & Therapeutic Neuroradiology, Orlando FL, February 17-20, 2006).
11. **Levy EI**, Mehta R, Gupta R, Hanel RA, Chamczuk AJ, Fiorella D, Woo HH, Albuquerque FC, Hopkins LN: Deployment of Self-Expanding Stents for Recanalization of Acute Cerebrovascular Occlusion (abstract of open paper 804). *Neurosurgery* 59:454, August 2006.
12. Turk AS, Fiorella D, **Levy E**, Albuquerque F, Niemann D, Aagaard-Kienitz B, Woo H, Rasmussen P, Hopkins LN, Masaryk T, McDougall C: Preliminary Experience with the Wingspan Stent for the Treatment of Intracranial Atheromatous Disease (abstract O10.4). *Neuroradiology* 48 (Suppl 2):59, September 2006
13. Ringer AJ, Lanzino G, Veznedaroglu E, Rodriguez R, **Levy E**, Lopes DK, Boulos A: Risk of Angiographic Surveillance and Retreatment of Coiled Intracranial Aneurysms (abstract 39). Oral Presentation, *Joint International Stroke Conference–AANS-CNS Cerebrovascular Section–ASITN Meeting*, San Francisco CA. *Stroke* 38:462, February 2007; *J Neurosurg* 106:A947, May 2007. [Abstract published in *Stroke* as well as in *J Neurosurg*]
14. Mehta R, Jahromi BS, **Levy EI**, Hopkins LN: Early Early Outcome Following Multimodality Endovascular Rescue in Acute Stroke (abstr). *J Neurosurg* 106:A768-A769, April 2007.
15. 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; *J Neurosurg* 106:A953, May 2007.
16. Samuelson R, Tummala RP, Jahromi BS, Yamamoto J, Atwal G, **Levy EI**, Siddiqui AH, Guidot CA, Hopkins LN: Aortic Arch Anatomy and Neurologic Complications with Carotid Stenting Among Octogenarians (Abstract 815). *Neurosurgery* 61:199, July 2007.

17. Turk AS, **Levy EI**, Albuquerque FC, Niemann DB, Aagaard-Kienitz B, Pride L, Purdy P, Welch B, Woo H, Rasmussen PA, Hopkins LN, Masaryk TJ, McDougall CG, Fiorella D: Preliminary Experience with the Wingspan Stent for the Treatment of Symptomatic Intracranial Atheromatous Disease (abstract P 28). (Proceedings of the 9th Congress of the World Federation of Interventional and Therapeutic Neuroradiology, Beijing China, September 9-13, 2007). *Interventional Neuroradiology* 13 (Suppl 2):125-126, September 2007.
18. Jahromi BS, Snyder KV, Samuelson RM, **Levy EI**, Siddiqui AH, Hopkins LN: Early Outcome Following CT-Perfusion-Guided Endovascular Therapy for Acute Stroke (abstract 24). Accepted for Poster Presentation, *Congress of Neurological Surgeons Annual Meeting*, Orlando FL, September 20-25, 2008.
19. Mocco J, Snyder KV, Albuquerque FC, Bendok BR, Boulos AS, Carpenter JS, Fiorella DJ, Hoh BL, Howington JU, Jankowitz BT, Liebman KM, Rai AT, Rodriguez-Mercado R, Siddiqui AH, Veznedaroglu E, Hopkins LN, **Levy EI**: Interstate Collaboration of Enterprise Stent-Coiling (ICES): Initial Results (abstract 809). Accepted for Open Paper Presentation, *Congress of Neurological Surgeons Annual Meeting*, Orlando FL, September 22, 2008.
20. Mocco J, Tawk RG, Jahromi BS, Samuelson RM, Siddiqui AH, **Levy EI**, Hopkins LN: Endovascular Treatment of Young Acute Thromboembolic Stroke Patients (abstract 333). Accepted for Poster Presentation, *Congress of Neurological Surgeons Annual Meeting*, Orlando FL, September 20-25, 2008.
21. Samuelson RM, Atwal G, Morrison A, **Levy EI**, Siddiqui AH, Hopkins LN: Relative Cost of Carotid Endarterectomy and Carotid Artery Stenting versus Proven Medical Therapies for Secondary Stroke Prevention: A Review of the Literature (abstract 3). Accepted for Poster Presentation, *Congress of Neurological Surgeons Annual Meeting*, Orlando FL, September 20-25, 2008.
22. Snyder KV, Mocco J, Siddiqui AH, Hopkins LN, **Levy EI**: SARIS (Stent Assisted Revascularization in Ischemic Stroke): Interim Angiographic Results (abstract 16). Accepted for Poster Presentation, *Congress of Neurological Surgeons Annual Meeting*, Orlando FL, September 20-25, 2008.
23. Mocco J, Snyder KV, Albuquerque FC, Bendok BR, Boulos AS, Carpenter JS, Fiorella DJ, Hoh BL, Howington JU, Jankowitz BT, Liebman KM, Rai AT, Rodriguez-Mercado R, Siddiqui AH, Veznedaroglu E, Hopkins LN, **Levy EI**: International Collaboration of Enterprise Stent-Coiling (ICES): Initial Results (abstract 809). *Neurosurgery* 62:1402-1403, June 2008.
24. 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.
25. 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.

26. 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.
27. 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.
28. 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.
29. 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.

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
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	December 2006
Abbott REC Training. Millard Fillmore Gates Hospital. Faculty	January 2007

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 WingspanTM 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/NINDS
Grant Title/Number: Radiographic Guidance of New Cerebral Aneurysm Stent
1 RO1 NS043924-02
Role in Project: Co-Investigator (2%)
Years Inclusive: 2004 - 2008
\$ Amount: \$1,913,000

NIH

Source/Type: Peer reviewed public funding - NIH
Grant Title/Number: SAMPPRIS
Role in Project: Site Principal Investigator

NIH

Source/Type: Peer reviewed public funding - NIH
Grant Title/Number: CREST
Role in Project: Site Principal Investigator

AWARDED GRANTS:**CORPORATE FUNDED**

Source/Type: Non-peer reviewed corporate funding – American Heart Association
Grant Title/Number: SYSTEMATIC META-review of stenting with embolic protection 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: 2002-2003
 \$ 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

VISITING PROFESSOR INVITED LECTURES

1. **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.
2. **Levy, EI.** Acute stroke: transition from rehabilitation to intervention. Visiting Professor. Grand Rounds at Massachusetts General Hospital, Boston, MA. January 22, 2009.

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, Scwabassi 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. 10th 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 60th Annual Meeting of the Japan Neurosurgical Society. October 2001, Okayama, Japan. (invited lecture: LN Hopkins).
5. Bendok BR, Boulos AS, **Levy EI**, Kim SH, Guterman LR, Hopkins LN. Endovascular Treatment of Aneurysms: when and why? The 60th Annual Meeting of the Japan Neurosurgical Society. October 2001, Okayama, Japan. (invited lecture: LN Hopkins).
6. **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).
7. 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.
 8. **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.
 9. 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.
 10. 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.
 11. **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.
 12. 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.
 13. **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.
 14. **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.

15. **Levy, EI.** Carotid Artery Stenting: Planning the Procedure. Live Case Commentator. Endovascular Therapy International, University of Siena, Italy. March 17-19, 2005.
16. **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.
17. **Levy EI.** Tips and Tricks. Moderator. Endovascular Therapy International, University of Siena, Italy. March 17-19, 2005.
18. **Levy EI.** Treatment of Acute Stroke. Oral Presenter. Endovascular Therapy International, University of Siena, Italy. March 17-19, 2005.
19. 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.
20. **Levy EI.** "Aneurysmal Subarachnoid Hemorrhage: Management Strategies". Oral Presentation. 1st Conference of Chinese Neurosurgeons, November 5-9, 2005. Shanghai, China November 5, 2005, Zhenjiang, China, November 6, 2005, Tianjing, China, November 9, 2005.
21. **Levy EI.** "How to Judge Coil Embolization in 2005". Oral Presentation. 1st Conference of Chinese Neurosurgeons, November 5-9, 2005. Shanghai, China November 5, 2005, Zhenjiang, China, November 6, 2005.
22. **Levy EI.** "Orbit Complex Coils for Intracranial Aneurysms: Higher Packing Density Improves Midterm Angiographic Results". Oral Presentation. 1st Conference of Chinese Neurosurgeons, November 5-9, 2005. Zhenjiang, China, November 6, 2005, Beijing, China, November 7, 2005, Tianjing, China, November 9, 2005.
23. **Levy EI.** "How to Achieve Higher Packing Density in the Aneurysm Coiling: Technical Tips". Oral Presentation. 1st Conference of Chinese Neurosurgeons, November 5-9, 2005. Beijing, China, November 7, 2005.
24. 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.
25. **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
26. **Levy EI.** Interventional Techniques. Oral Presenter. Endovascular Therapy International, Laguna Palace Hotel, Venice Mestre, Italy. March 23-25, 2006

27. **Levy EI.** Cabernet study. Oral Presenter. Endovascular Therapy International, Laguna Palace Hotel, Venice Mestre, Italy March 23-25, 2006.
28. **Levy EI,** Wingspan Stent HDE Clinical Study 12 Month Follow-up. Presenter. Semana del Intervencionismo Minimamente Invasivo. Buenos Aires, Argentina. April 5-8, 2006.
29. **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.
30. **Levy EI,** Stroke Intervention: patient selection and treatment.. Oral Presenter. Cerebrovascular Disease Forum. Huashan Hospital. Shanghai, China. April 26, 2006.
31. **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.
32. **Levy EI,** Beijing Aneurysm Training Course in J&J Medical University. Faculty. Cerebrovascular Disease Forum. Beijing, China. April 28, 2006.
33. 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.
34. 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
35. 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
36. **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.
37. **Levy EI.** Intracranial Stenosis and Aneurysms. Lecture at Technion, Israel Institute of Technology, RamBam Healthcare Campus, Haifa, Israel,, October 15, 2007.
38. **Levy EI.** Interventional Stroke Treatment Current Concepts and Future Directions. Poriah Hospital, Haifa, Israel, October 15, 2007.

39. Sharma J, Matthews MS, Mocco J, Snyder KV, Ionita C, Siddiqui AH, Hopkins LN, Levy EI: The Adjunctive Use of Intra-arterial Eptifibatide as a Revascularization Tool in Acute Cerebrovascular Ischemia. Oral Presentation, *61st American Academy of Neurology Annual Meeting*, Seattle WA, April 25-May 2, 2009
40. **Levy EI**, Hauck, EF: Invited Lecturer, “The Current State of Carotid Stenting” Carmel Hospital, Haifa, Israel. June 3, 2009.
41. 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 6th International Intracranial Stent Meeting 2009: Tidal Wave from Coil to Prosthesis, from Embolization to Reconstruction* (in conjunction with the 17th Meeting of Neuroendovascular Therapy Sendai Seminar 2009), Sendai Japan, August 5-7, 2009.
42. 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 6th International Intracranial Stent Meeting 2009: Tidal Wave from Coil to Prosthesis, from Embolization to Reconstruction; Sendai, Japan.
43. 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*. Poster presented at: 13th Congress of the European Federation of Neurological Societies (EFNS); Florence, Italy.

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**, Scwabassi 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 24th 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, Hopkins LN. 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™ Sirolimus-Eluting Stent Versus Bare Metal Bx-Velocity™ 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 55th 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 55th 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 55th 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. 74th 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. 74th 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 44th Annual Meeting, San Diego, CA, May 1-5, 2006.
89. **Levy EI**, Vascular Response to Ccomplex 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. 3rd International Flow Symposium on Flow Measurement in Cerebrovascular Surgery. Program Faculty. Stanford University, Palo Alto, CA. February 15th, 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 20th, 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 20th, 2009.
149. Hauck EF, **Levy EI**. Advanced Endovascular Strategies for the Management of Complex and Giant Intracranial Aneurysms. *Sothern Neurosurgery Society Meeting*. Georgia. March 26th, 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 28th, 2009.
151. Hopkins LN, **Levy EI**, Siddiqui AH, Hauck EF: Ischemic Disease – Thrombolysis, Intracranial Stenting. *Endovascular Techniques for Residents MERI*, Memphis, TN. April 17th-19th, 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. 77th Annual Meeting of the American Association of Neurological Surgeons (AANS). San Diego, CA. May 2nd-6th 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 Registry. 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 18th, 2009.
158. Siddiqui AH, **Levy EI**, Hopkins LN, Hauck EF: Managing Carotid Stent Complications. 18th Annual Peripheral Angioplasty and All That Jazz Conference. New Orleans, LA. May 20th-22nd 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. Natarajan SK, Snyder KV, Siddiqui AH, Hopkins LN, **Levy EI**: Safety and Efficacy of Endovascular Therapy after 8 Hours of Acute Ischemic Stroke Onset and Wake-up Strokes (Paper A-161-0003-02461) 6/4/09 Accepted for Poster Presentation, Open Session 1: Cerebrovascular Disease 1, on September 13, 2009. 13th Congress of the European Federation of Neurological Society (EFNS), Florence (Italy), September 12-15, 2009. Abstract to be published in the *European Journal of Neurology* and an Oral Presentation, 2009 Congress of Neurological Surgeons Annual Meeting, New Orleans LA, October 24-29, 2009.
161. 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.
162. 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.
163. 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 71st Annual Meeting*, West Palm Beach FL, November 4-7, 2009 (presentation date: November 5, 2009).
164. **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 71st Annual Meeting*, West Palm Beach, FL, November 6, 2009.
 165. “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, 7:42am).

LOCAL PRESENTATIONS, ORAL POSTERS, AND INVITED LECTURES

1. Boulos AS, **Levy EI**, Lopes D, Bendok BR, Kim SH, Hanel R, Qureshi AI, Guterman LR, Hopkins LN. Novel Endovascular Treatment of Cerebral Aneurysms. Neuroscience Grand Rounds September 2002, Albany, NY.
2. **Levy EI**: Discussion on Microvascular Decompression: Presented Millard Fillmore Hospital Grand Rounds 1/6/2005.
3. **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.
4. **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.
5. **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.
6. **Levy EI**. Contemporary Management of Intracranial Aneurysms. Presented for Internal Medicine Grand Rounds at Millard Fillmore Hospital, Buffalo, NY. February 28, 2005.
7. **Levy EI**, Hanel RA. The Evolution of Stroke and Aneurysm Treatment: Trial Updates. Oral Presenters. Department of Medicine Grand Rounds. Erie County Medical Center, Buffalo, New York. April 1, 2005.
8. 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
9. Hanel RA, **Levy EI**, Horowitz M, Guterman LR, Hopkins LN. Interventional endovascular therapy applied to ENT. Otolaryngology Grand Rounds, SUNY Buffalo, Apr 28, 2005.

10. Hanel RA, **Levy EI**, Guterman, LR, Hopkins LN. Updated on Carotid Stenting. 19th Annual Cardiology Update, Olean, NY Apr 30, 2005.
11. **Levy EI**. New Treatment Modalities for Stroke and Stroke Intervention. Oral Presenter. Grand Rounds at Kenmore Mercy Hospital, Buffalo, NY. May 3, 2005.
12. **Levy EI**. Minimally Invasive Spine Surgery Techniques. Oral Presenter. Buffalo Medical Group Meeting. Double Tree Hotel, Buffalo, NY. May 5, 2005.
13. **Levy EI**, Hanel RA, Ecker RD. "Carotid Revascularization". Oral Presentation. Kaleida Health Alumni Weekend, Webster Hall, Millard Fillmore Gates Hospital. October 15, 2005.
14. **Levy, EI**. EMS program Presentation and Live Case Demonstration. Webster Hall, Millard Fillmore Gates Circle Hospital. May 31, 2007.
15. **Levy, EI**. Advances in Stroke Intervention: The Battlefield and beyond. Medina Memorial, Hospital, Medina, NY. June 12, 2007.
16. 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
17. **Levy EI**. Complication Avoidance (Atherosclerotic Disease & Stroke). Oral Presentation. Cerebrovascular Complications Conference. Jackson Hole, WY. July 9-12, 2008.
18. **Levy EI**. Stenting for Acute Stroke; pros and cons. Oral Presentation. Society of NeuroInterventional Surgery 5th Annual Meeting. Olympic Valley, CA. July 28 – August 1, 2008.
19. **Levy EI**. Ischemic and Hemorrhagic Stroke. Oral Presentation. Grand Rounds. Kenmore Mercy Hospital. Buffalo, NY. August 5, 2008.
20. **Levy EI**. Acute (Ischemic and Hemorrhagic) Stroke Intervention and Prevention. Oral Presentation. Grand Rounds. Kenmore Mercy Hospital. Buffalo, NY. August 5, 2008
21. 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

RESEARCH INTERESTS:

Basic Science:

- Molecular biology of stent-induced restenosis

Clinical:

- 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

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