

BIOGRAPHICAL SKETCH

Provide the following information for the key personnel in the order listed for Form Page 2.
Follow the sample format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME		POSITION TITLE	
Irene Katzan MD, MS		Assistant Professor of Neurology	
EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)			
INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
Kenyon College, Gambier Ohio	A.B.	1985-1989	Biology
Ohio State University College of Medicine Columbus, Ohio	MD	1989-1993	Medicine
Riverside Methodist Hospital, Columbus, Ohio	-	1993-1994	Preliminary Medicine Internship
Cleveland Clinic Foundation, Cleveland, Ohio	-	1994-1997	Neurology Residency
Cleveland Clinic Foundation, Cleveland, Ohio	-	1997-1999	Cerebrovascular Fellowship
Case Western Reserve University School of Medicine, Cleveland, Ohio	MS	1999-2001	Epidemiology and Biostatistics

RESEARCH AND PROFESSIONAL EXPERIENCE: Concluding with present position, list, in chronological order, previous employment, experience, and honors. Include present membership on any Federal Government public advisory committee. List, in chronological order, the titles, all authors, and complete references to all publications during the past three years and to representative earlier publications pertinent to this application. If the list of publications in the last three years exceeds two pages, select the most pertinent publications. DO NOT EXCEED TWO PAGES.

APPOINTMENTS

- July 1999 – October 2001 Clinical Associate, Department of Neurology, Cleveland Clinic Foundation, Cleveland, Ohio
- November 2001 – present Assistant Professor of Neurology, Case Western Reserve University, Cleveland, Ohio
- November 2001 – present Bioscientific Staff, Case Western Reserve University Center for Health Care Research and Policy at MetroHealth Medical Center, Cleveland, Ohio
- November 2001 – present Consultant Staff, Department of Neurology, Cleveland Clinic Foundation, Cleveland, Ohio
- January 2003 - present Director, Cleveland Stroke Outcomes Research Program

HONORS

- Phi Beta Kappa Society (1988)
- Sigma Xi - Research Honor Society (1989)
- Ohio Board of Regents Academic Scholarship (1989-1993)
- Edward Chester Research Scholarship (1989)
- Chemical Rubber Company Chemistry Achievement Award (1989)
- Robert Bowen Brown Award for Biological Research (1989)
- Graduated *summa cum laude*, with Highest Honors in Biology, Kenyon College (1989)
- Roessler Research Scholarship (1992)
- AQA Society (1992)
- Neurology Award, OSU College of Medicine (1993)
- Janet M. Glasgow Memorial Achievement Citation (1993)
- Ohio Board of Regents Graduate-Professional Fellowship (1989-1993)

Honors continued

Graduated *magna cum laude* – Ohio State University College of Medicine (1993)
Department of Neurology Humanitarian Award (1997)
I.H. Page Center for Health Outcomes Research Award (2001)
Harvard-Macy Physician Educator Scholar (2003)
Champion for Quality, Cleveland Clinic Health System (2003)
Award of Excellence, American Heart Association, Northeastern Ohio Affiliate (2003)
Best Doctors in America (2003)

Professional Societies

American Academy of Neurology, 1995 - present
American Medical Association, 1997 - present
National Stroke Association, 1997 - present
American Stroke Association's Stroke Council, Fellow, 1998 - present
American Society of Neuroimaging , 1998 - present
Association for Health Services Research, 1999 - present
American Heart Association's Council on Epidemiology and Prevention, 2000 - present

Publications

1. **Katzan IL**, Furlan AJ. Thrombolytic Therapy. In: Marc Fisher, Julien Bogousslavsky (eds). Current Review of Cerebrovascular Disease, Third edition, Philadelphia: Current Science, 1998.
2. **Katzan IL**, Masaryk TJ, Furlan AJ, Sila CA, et al. Intra-arterial Thrombolysis for Perioperative Stroke After Open Heart Surgery. *Neurology*, 1999; 52:1081-1084.
3. **Katzan IL**, Furlan AJ, Lloyd LE, Frank JI, Harper DL, Hinchey JA, Sila CA. Use of Tissue Plasminogen Activator for Acute Ischemic Stroke - The Cleveland Area Experience. *JAMA*, 2000; 283:1151-1158.
4. Rasmussen PA, Perl J, Barr DJ, Markarian GZ, **Katzan I**, Sila C, Krieger D, Furlan AJ, Masaryk TJ. Stent -assisted Angioplasty of Intracranial Vertebrobasilar Atherosclerosis: An Initial Experience. *J. Neurosurgery* 2000; 92:771-8.
5. Furlan AJ, Higashida R, **Katzan I**, Abou-Chebl A. Intra-arterial Thrombolysis in Acute Ischemic Stroke. In: Patrick Lyden (ed). *Thrombolytic Therapy for Stroke*. Humana Press, 2001.
6. **Katzan IL**, Sila CA, Furlan AJ. Community Use of IV tPA for Acute Stroke: Results of the Brain Matters Stroke Management Workshops Survey. *Stroke* 2001;32:861-5.
7. **Katzan IL**, Furlan AJ. Thrombolytic Therapy. In: Marc Fisher, Julien Bogousslavsky (eds). Current Review of Cerebrovascular Disease, Fourth edition, Philadelphia: Current Science, 2000.
8. Chalela JA, **Katzan IL**, Liebeskind D, Rasmussen P, Zaidat O, Suarez J, Chiu D, Klucznick RP, Jauch E, Cucchiara B, Kasner SE. Safety of Intra-arterial Thrombolysis in the Post-operative Period. *Stroke* 2001;32:1365-8.
9. Krieger DW, De Georgia MA, Abou-Chebl A, Andrefsky JC, Sila CA, **Katzan IL**, Mayberg MR, Furlan AJ. Cooling for Acute Ischemic Brain Damage (COOL AID): An Open Pilot Study of Induced Hypothermia in Acute Ischemic Stroke. *Stroke* 2001 32: 1847-1854.
10. Moazami N, Smedira NG, McCarthy PM, **Katzan I**, Sila CA, Lytle BW, Cosgrove DM. Safety and Efficacy of Intra-arterial Thrombolysis for Perioperative Stroke After Cardiac Surgery. *Annals of Thoracic Surgery* 2001; 72(6):1933-7; discussion 1937-9.
11. Skidmore C, **Katzan IL**. Stroke: An Overview. In William Carey, (Ed) *The Cleveland Clinic Disease Management Project, On-line Medical Reference Guide*, 2002.
12. **Katzan IL**, Cebul RD, Husak SH, Dawson NV, Baker DW. The Effect of Pneumonia on Mortality Among Patients Hospitalized for Acute Stroke. *Neurology* 2003;60:620-625.

13. **Katzan IL**, Graber TM, Furlan AJ, Sundararajan S, Sila CA, Houser G, Landis DM Cuyahoga County Operation Stroke: Speed of Emergency Department Evaluation and Compliance with NINDS Time Targets. *Stroke* 2003;34:994-998.
14. **Katzan IL**, Hammer MD, Furlan AJ, Hixson ED, Nadzam DM. Quality Improvement and Tissue-Type Plasminogen Activator for Acute Ischemic Stroke: A Cleveland Update. *Stroke* 2003;34:799-800.
15. **Katzan IL**, Hammer MD, Furlan AJ, Hixson ED, Abou-Chebl A, Nadzam DM. Utilization of Intravenous Tissue Plasminogen Activator for Acute Ischemic Stroke. *Arch Neurol.* 2004;61:346-350.

Selected Abstracts

1. Masaryk TJ, **Katzan IL**, Furlan AJ, Sila CA, Andrefsky JC. Intra-arterial Thrombolysis for Acute Middle Cerebral Artery Stroke in Postoperative Open Heart Surgery Patients. *Neurology* 1998; 50:A114.
2. Hanna JP, **Katzan IL**, Sila CA. Intracranial Hemorrhage following Cardiothoracic Surgery. *Neurology* 1998; 50:A292.
3. **Katzan IL**, Sila CA, Furlan AJ. Community Use of tPA for Acute Stroke: Results of the Brain Matters Stroke Management Workshop. *Neurology* 1998; 50:A437-8.
4. Hinchey JA, **Katzan IL**, Furlan AJ, Sargent WM. Implementation of a stroke outcomes quality improvement program in the community, the Cleveland experience. *Annals of Neurology* 1998; 44: 513.
5. **Katzan IL**, Sila CA, Furlan AJ, Smedira NG, Yeager ML, McCarthy PM. Cerebrovascular Complications with Novacor Left Ventricular Assist Devices and Their Relationship to Antithrombotic Therapies. *Stroke* 1999; 30:271.
6. **Katzan IL**, Furlan AJ, Way EL, Frank JI, Harper DL, Hinchey JA, Sila CA. A systematic audit of IV tPA use in Cleveland area hospitals. *Stroke* 1999; 30:266.
7. **Katzan IL**, Bajzer C, Furlan AJ, Silver M, Whitlow PL, Perl J, Lowrie M, Yadav JS. Abciximab Use in Carotid Artery Stenting. *Neurology*, 1999; 52:A64-65.
8. **Katzan IL**, Furlan AJ, Hammel J, Saneto R, Mikesell T, Waggoner M, Sila CA. Retrospective Assessment of Five Stroke Scales and Disability Indexes in the Community Setting. *Stroke* 2000;31:321
9. Whitlow PL, **Katzan IL**, Dagirmanjian A, Davis DA, Silver M, Krieger DW, Yadav JS. Embolization During Protected Versus Unprotected Carotid Stenting. *Circulation* 2000;102(Supplement 2);II-475.
10. Chalela JA, **Katzan IL**, Rasmussen PA, Liebesin DS, Zaidat O, Suarez JI, ChiuD, Klucznick RP, Jauch EC, Kasner SE. Safety of Post-operative Intra-arterial Thrombolysis. *Stroke* 2001;32:336.
14. **Katzan IL**, Abou-Chebl A, Andrefsky JC, Krieger D, Ross JS. MR Imaging of Posterior Fossa Infarcts: FLAIR vs T2-weighted Sequences. *Stroke* 2001;32:350.
15. **Katzan IL**, Cebul RD, Husak SS, Dawson NV, Baker DW. Community-Wide Incidence and Outcomes of Pneumonia in Patients Hospitalized for Acute Stroke. *J Gen Intern Med* 2001; 16(Supplement):190.
16. Cebul RD, **Katzan I**, Husak S, Dawson NV, Einstadter D, Baker D. Increasing mortality for stroke patients hospitalized during an era of competing demands: implications for quality measurement. *Ann Neurol* 2001;50 (Supplement 1);S71.
17. **Katzan IL**, Sundararajan SR, Furlan AJ, Graber TM, Hanna JP, Dirosa A, Houser G, Suarez JI, Landis DM. Cuyahoga County Operation Stroke: Speed of Emergency Department Evaluation and Compliance with NINDS Time Targets. *Stroke* 2002;33:385.
18. Hammer MD, **Katzan IL**, Furlan AJ, Abou-Chebl A, Hixson E. Cleveland Community Experience with Intravenous tissue Plasminogen Activator: Patient Selection. *Stroke* 2002;33:386.
19. Rasmussen PA, Perl II J, **Katzan I**, Sila CA, Mayberg MR, Masaryk TJ. Stent-Assisted Angioplasty of Intracranial Vertebrobasilar Atherosclerosis - Clinical and Imaging Mid-Term Results. *Stroke* 2002;33:359.
20. Bae CJ, De Georgia MA, Andrefsky JC, **Katzan IL**. The Modified NIH Stroke Scale Combined with Intracerebral Hemorrhage Volume and Intraventricular Hemorrhage Predicts 3-Month Mortality and Functional Outcome. *Stroke* 2002;33:379.

21. **Katzan IL**, Cebul RD, Dawson NV. The Cost of Complications: Pneumonia after Acute Stroke. *Circulation* 2002;106:e76.
22. **Katzan IL**, Cebul RD, Dawson NV. Racial Differences in Outcomes after Acute Stroke. *Stroke* 2003;34:317.
23. Loddenkemper T, Sharma P, **Katzan I**, Scaravilli F, Plant GT: Progressive visual loss in temporal arteritis despite steroid therapy. *Neurology* 2003;60(Suppl 1):A25.
24. Kleindorfer D, **Katzan I**, Kolz C, Miller R, Sauerbeck L, Moomaw C, Broderick J. The Ohio Prototype of Paul Coverdell Acute Stroke Registry: Lack of Racial Differences in Time from Symptom Onset to Emergency Department in Acute Stroke. *Stroke* 2004;35:319-320

Research Support

K23 NS 45003-01 (I. Katzan) 2/1/03 – 1/31/08
NIH-NINDS
Predictors and Outcomes of Pneumonia After Stroke
The major goal of this study is to learn methodologies related to assessing and analyzing stroke management in the community setting.
Role: PI

T32 HS00059-11 (Rimm A, Cebul R) 7/1/03 – 6/30/08
Agency for Healthcare Research and Quality
Training Program in Health Services Research
Pre and postdoctoral training in health services research.
Role: Faculty

CDC #U50/CCU520278 (Broderick J) 9/1/01-1/31/04
Ohio Prototype for the Paul Coverdell National Acute Stroke Registry
This is a state-wide pilot of a data collection system of stroke management including thrombolytic use.
Role: Regional PI

T32-HS00059 9/1/00-7/31/01
Agency for Healthcare Research and Quality
National Research Service Award