



CURRICULUM VITAE  
**REBECCA F. GOTTESMAN, MD, PhD**

**DEMOGRAPHIC AND PERSONAL INFORMATION**

**Current Appointment:** Assistant Professor, Cerebrovascular Division, Department of Neurology, Johns Hopkins University School of Medicine.

**Contact Information:**

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**EDUCATION AND TRAINING:**

1995: Bachelor of Arts, Columbia College, Columbia University, New York, NY, Psychology (magna cum laude).

2000: Doctor of Medicine, Columbia College of Physicians and Surgeons, Columbia University, New York, NY

July 2000-June 2001: Intern (PGY-1) in Internal Medicine, The Johns Hopkins Bayview Medical Center, Baltimore, Maryland.

July 2001-June 2004: Resident in Neurology, The Johns Hopkins Hospital, Baltimore, Maryland.

July 2004-June 2006: Clinical and Research Fellow in Cerebrovascular Neurology, The Johns Hopkins Hospital, Baltimore, Maryland.

May 2007: Doctor of Philosophy, Graduate Training Program in Clinical Investigation, Johns Hopkins University, Baltimore, Maryland.

**PROFESSIONAL EXPERIENCE**

7/ 2006-6/ 2007: Instructor in Cerebrovascular Neurology, Johns Hopkins University School of Medicine, Baltimore, Maryland.

7/ 2006-present: Attending Physician, Johns Hopkins Hospital, Baltimore, Maryland.

7/ 2006-present: Attending Physician, Johns Hopkins Bayview Medical Center, Baltimore, Maryland.

7/ 2007-present: Assistant Professor, Johns Hopkins University School of Medicine, Baltimore, Maryland.

**RESEARCH ACTIVITIES**

### Peer-reviewed Research Articles

1. Sharp W. S., **Gottesman R. F.**, Greenstein D. K, Ebens C. L, Rapoport J. L., & Castellanos F. X. (2003) Monozygotic twins discordant for attention-deficit/hyperactivity disorder: ascertainment and clinical characteristics. *Journal of the American Academy of Child and Adolescent Psychiatry*. 42(1): 93-97.
2. Castellanos F. X., Sharp W. S., **Gottesman R. F.**, Greenstein D. K, Giedd J. N., & Rapoport J. L. (2003) Anatomic brain abnormalities in monozygotic twins discordant for Attention Deficit Hyperactivity Disorder. *American Journal of Psychiatry*, 160: 1693-1696.
3. Hillis A.E., Kleinman J., Newhart M., Heidler-Gary J., **Gottesman R.F.**, Barker P.B., Aldrich E.A., Llinas R., Wityk R., & Chaudhry, P. (2006) Restoring cerebral blood flow reveals neural regions critical for naming. *Journal of Neuroscience*, 26(31): 8069-8073.
4. **Gottesman R.F.**, Sherman P.M., Grega M.A., Yousem D.M., Selnes O.A., Baumgartner W.A., & McKhann G.M. (2006) Watershed strokes after cardiac surgery: Diagnosis, Etiology, and Outcome. *Stroke*, 37: 2306-2311.
5. **Gottesman R.F.**, Alt J., Wityk R.J., & Llinas R.H. (2006) Predicting abnormal coagulation in ischemic stroke: Reducing delay in rt-PA use. *Neurology*, 67(9): 1665-1667.
6. Heidler-Gary J., **Gottesman R.F.**, Newhart M., Chang S., Ken L., & Hillis A.E. (2007) Utility of behavioral versus cognitive measures in differentiating between subtypes of frontotemporal lobar degeneration and Alzheimer's disease. *Dementia and Geriatric Cognitive Disorders*, 23(3): 184-193.
7. Kleinman J.T., Newhart M., Davis C., Heidler-Gary J., **Gottesman R.F.**, & Hillis A.E. (2007) Right hemispatial neglect: Frequency and characterization following acute left hemisphere stroke. *Brain and Cognition*, 64: 50-59.
8. Jordan L.C., Van Beek J.G.M., **Gottesman R.F.**, Kossoff E.H., Johnston M.V. (2007) Ischemic stroke in children with critical illness: a poor prognostic sign. *Pediatric Neurology*, 36(4): 244-246.
9. DeLeon J., **Gottesman R.F.**, Kleinman J.T., Newhart M., David C., Heidler-Gary J., Lee A., & Hillis A.E. (2007) Neural regions essential for distinct cognitive processes underlying picture naming. *Brain*, 130: 1408-1422.
10. **Gottesman R.F.**, Hillis A.E., Grega M.A., Borowicz L.M., Selnes O.A., Baumgartner W.A., & McKhann G.M. (2007, in press) Early postoperative cognitive dysfunction and blood pressure during coronary artery bypass graft operation. *Archives of Neurology*, 64(8): 1111-1114.
11. Philipose L.E., **Gottesman R.F.**, Newhart M., Kleinman J.T., Herskovits E.H., Pawlak M.A., Marsh E.B., Davis C., Heidler-Gary J., & Hillis A.E. (2007, in press) Neural regions essential for reading and spelling of words and pseudowords. *Annals of Neurology*, Epub ahead of print.

### Case Reports/ Letters

1. **Gottesman R.** (2003) Clinical cases in neurology from Johns Hopkins--case 3: 44-year-old man with fever, headache, confusion, and ataxia. *Medscape General Medicine* 5(3):33.

2. Portera C.C., **Gottesman R.F.**, Sroden M., Asrari F., Dillon M.B., & Armstrong D.K. (2006) Optic Neuropathy from Metastatic Squamous Cell Carcinoma of the Cervix: An Unusual CNS Presentation. *Gynecologic Oncology*, 102(3): 121-123.

3. **Gottesman R.F.**, Sherman P.M., Grega M.A., Yousem D.M., Borowicz L.M., Selnes O.A., Baumgartner W.A., & McKhann G.M. (2007, in press) Response to Letter by Barili et al. *Stroke*, 38: 1141.

### **Abstracts**

1. Grega M.A., **Gottesman R.F.**, Sherman P.M., McKhann G.M., Borowicz L.M., Bailey M.M., Wityk R.J., Hillis A., & Yousem D. (2005) Morbidity and Mortality after Perioperative Stroke: Correlations with Brain CT and Diffusion-Weighted MRI. Outcomes 2005: The Key West Meeting, poster presentation.

2. **Gottesman R.F.**, Sherman P.M., Grega M.A., Borowicz L.M., Yousem D.M., Baumgartner W.A., Selnes O.A., & McKhann G.M. (2005) Decrease in mean arterial pressure during cardiac surgery predicts development of bilateral watershed strokes. 130<sup>th</sup> annual meeting of the American Neurological Association, Works in Progress poster presentation, abstract published in *Annals of Neurology*, 58(6): A94-A103.

3. Radzik B.R., **Gottesman R.F.**, Aldrich E.M., Llinas R.H., Nyquist P.A., & Wityk R.J. (2006) Effects of preparation for JCAHO stroke center certification on administration of IV tPA. International Stroke Conference, Poster presentation (Orlando, February 2006).

4. **Gottesman R.F.**, Hillis A.E., Grega M.A., Borowicz L.M., Selnes O.A., Baumgartner W.A., & McKhann G.M. (2006) Early postoperative cognitive dysfunction and blood pressure during CABG, accepted as poster presentation for 131<sup>st</sup> meeting of American Neurological Association (Chicago, October 2006), published in *Annals of Neurology*, 60(S10): S48.

5. **Gottesman R.F.**, Kleinman J.T., Davis C., Heidler-Gary J., Newhart M., & Hillis A.E. (2007) The "NIHSS-Plus": Improving Cognitive Assessment with the NIHSS. Poster presentation at International Stroke Conference (San Francisco, 2007), published in *Stroke*, 38: 583.

6. Lee A.W., Chen C.S. **Gottesman R.F.**, Bahouth M., Wityk R., Gailloud P., Murphy K., Miller N., & Aldrich E. (2007) A prospective study of intra-arterial tissue plasminogen activator versus conventional therapy for the treatment of central retinal artery occlusion. Platform presentation at American Academy of Neurology 59<sup>th</sup> annual meeting (Boston, 2007).

7. Kleinman J.T., **Gottesman R.F.**, Davis C., Newhart M., Heidler-Gary J., & Hillis A.E. (2007) Incidence and severity of neglect in men versus women within 24 hours of right hemisphere stroke. Platform presentation at American Academy of Neurology 59<sup>th</sup> annual meeting (Boston, 2007).

8. **Gottesman R.F.**, Kleinman J.T., Davis C., Heidler-Gary J., Newhart M., & Hillis A.E. (2007) Estimating diffusion-perfusion mismatch using the NIHSS-Plus. Accepted as presentation at American Neurological Association 132<sup>nd</sup> annual meeting (Washington DC, 2007).

### **Reviews/ Chapters**

1. Krauss R. M., Chen Y., & **Gottesman R. F.** (2000). *Lexical gestures and lexical access: A process model*. In D. McNeill (Ed), *Language and gesture: window into thought and action*. New York: Cambridge University Press.
2. **Gottesman R.F.**, Komotar R., & Hillis A. (2003). Neurologic aspects of Traumatic Brain Injury. *The International Review of Psychiatry*. 15(4): 302-309.
3. Rosenberg J.D., **Gottesman, R.F.** & Hillis A.E. (2006) General Treatment Principles for Stroke. in Wityk, R.W. & Llinas, R., eds., *Stroke*. American College of Physicians press.
4. **Gottesman R.F.** & Wityk R.W. (2006). Brain injury from cardiac bypass procedures. *Seminars in Neurology*, 26(4): 432-439.
5. Radzik B.R., Puttgen H.A., **Gottesman R.F.**, Aldrich E.M. (2007, in press) The role of interventional radiology in cerebrovascular disease: A review of cerebrovascular anatomy and disease. *Journal of Radiology Nursing*, in press.

#### **Extramural research support (Current)**

NIH/NINDS RO1 NS047691 (PI: A. Hillis) 7/1/2004-6/30/2008

Neural Basis of Unilateral Spatial Neglect

Role: Collaborating Investigator (salary support only)

Young Investigator Grant (PI: Gottesman) 11/15/2006-11/15/2007

Anonymous non-profit foundation

Pilot Study of Cognitive Outcomes following Postoperative Stroke

Role: Principal Investigator

Johns Hopkins University Clinician Scientist Award (PI: Gottesman) 1/1/2007-1/1/2008

Hypoperfusion and Stroke after coronary artery bypass graft surgery

Role: Principal Investigator

#### **Research support (completed):**

K12 RR017627 (PI: R. Gottesman) 7/1/2004-6/30/2007

NIH/ Johns Hopkins University Institutional Grant (Clinical Scholars Program; Graduate Training Program in Clinical Investigation)

Development of a Clinical Scale Using Diffusion and Perfusion-Weighted Imaging to Guide Management in Acute Ischemic Stroke

Role: Clinical Research Scholar/ Principal Investigator

#### **EDUCATIONAL ACTIVITIES**

##### **Teaching**

I have taught numerous medical students and residents during my training, and was chosen among my class of neurology residents to receive the Guy McKhann award for excellence in teaching (July 2004).

“Chairman’s rounds”, Johns Hopkins Bayview Medical Center, 2-4 times/ year.

Instructor/ preceptor, Medical Student Clinical Skills course (2/2005, 2/2006)

Instructor/ preceptor, Neurology resident clinic (monthly, July 2006-July 2007)

Small group Instructor, *Clinical Epidemiology course* (for Johns Hopkins medical students), March-April 2007.

### **EDITORIAL ACTIVITIES**

Ad-hoc reviewer, *Stroke*

Ad-hoc reviewer, *Nature Clinical Practice Neurology*

### **CLINICAL ACTIVITIES**

#### **Certification**

Licensed, State of Maryland (from 2005-present)

Diplomate, American Board of Psychiatry and Neurology (from 2005-present).

### **ORGANIZATIONAL ACTIVITIES**

Coordinator, Stroke journal club, Cerebrovascular division, Department of Neurology, Johns Hopkins University School of Medicine (7/2005-present).

Member, American Academy of Neurology

Member, American Stroke Association

### **RECOGNITION**

#### **Awards/ Honors:**

Magna Cum Laude, Columbia College, 1995

Recipient, NIH/ Dean's Grant for student research, Summer 1997

Scholarship recipient, American Stroke Association Stroke Fellows Workshop, December 2003

Recipient, AAN Resident's Scholarship to Annual Meeting, March/April 2003

Recipient, Guy McKhann award for excellence in teaching, June 2004

Recipient, K12 award: Clinical Research Scholar, July 2004-present

Recipient, National Institutes of Health Loan Repayment Program Award, 2005-present

#### **Invited Talks**

December 2005: "Watershed Stroke after Cardiac Surgery: Diagnosis, Etiology, and Outcome", Cardiac Surgery Grand Rounds, Johns Hopkins Hospital.

February 2007: "The NIHSS-Plus: Improving Cognitive Assessment with the NIHSS", Neurology Departmental Research Symposium, Johns Hopkins Hospital.

September 2007, "Neurologic complications in post-cardiac surgery patients", Cardiac SICU lecture series, Johns Hopkins Hospital. (scheduled)

October 2007, November 2007: "Evidence-based stroke care, parts 1 and 2", Neurology resident lecture series, Johns Hopkins Hospital. (scheduled)

February 2008: "Evidence-based management of carotid disease", American College of Physicians—Maryland meeting. (scheduled)