George J. Hutton, M.D.

- **Associate Professor of Neurology**
- **Medical Director, Maxine Mesinger MS Comprehensive Care Center**

Clinical Service Area

Neurology

Specialty

Demyelinating Diseases
General Neurology
Optic Neuritis
Multiple Sclerosis

Board Certification

American Board of Psychiatry and Neurology, Neurology

Clinic Appointments

713-798-8170

Consult

713-798-8170

Medical School

M.D., Vanderbilt University School of Medicine, Nashville, Tenn.

Internship

Internal Medicine, Baylor College of Medicine, Houston, Texas

Residency

Neurology, Baylor College of Medicine, Houston, Texas

Clinical Fellowship

Multiple Sclerosis, Baylor College of Medicine, Houston, Texas

Clinic Location

Maxine Mesinger MS Comprehensive Care Center
Neurosensory Building
6501 Fannin, NB100
Houston, Texas 77030

Clinical Interests

Multiple sclerosis and other demyelinating diseases of the central nervous system (adult and pediatric), neurologic complications of pregnancy, neurologic complications after bone marrow transplantation

Contact Information

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BCM Honors

- 2008 Fulbright & Jaworski LLP Faculty Excellence Award for Teaching and Evaluation and has become a member of the Academy of Distinguished Educators, which recognizes the educational scholarship of faculty members involved in all of the educational missions of Baylor College of Medicine.

Journal Publications

1. Chen M, Chen G, Deng S, Liu X, Hutton GJ, Hong J. IFN-beta induces the proliferation of CD4(+)CD25(+)Foxp3(+) regulatory T cells through upregulation of GITRL on dendritic cells in the treatment of multiple sclerosis. J Neuroimmunol. 2012;242(1-2):39-46. [View journal article]
2. Stosic M, De Jesus P, McCarthy J, Hutton G, Rivera V. Immune thrombocytopenic purpura in a patient with multiple sclerosis treated with natalizumab. Neurology. 2011;77(5):505-7. [View journal article]
3. Helekar SA, Shin JC, Mattson BJ, Bartley K, Stosic M, Saldana-King T, et al. Functional brain network changes associated with maintenance of cognitive function in multiple sclerosis. Front Hum Neurosci. 2010;4:219. [View journal article]
4. Hong J, Hutton GJ. Regulatory effects of interferon-beta on osteopontin and interleukin-17 expression in multiple sclerosis. J Interferon Cytokine Res. 2010;30(10):751-7. [View journal article]
5. Cohen JA, Imrey PB, Calabresi PA, Edwards KR, Eickenhorst T, Felton WL, et al. Results of the Avonex Combination Trial (ACT) in relapsing-remitting MS. Neurology. 2009;72(6):535-541. [View journal article]
6. Hutton GJ, Avila M, Suarez GA. Pneumocephalus after an epidural steroid injection. Clin Neurol Neurosurg. 2009;111(3):309-10. [View journal article]
7. Brodsky M, Orengo-Nania S, Hutton GJ, Slight B, Buckley EG, Massey EW, et al. Visual function 15 years after optic neuritis: a final follow-up report from the Optic Neuritis Treatment Trial. Ophthalmology. 2008;115(6):1079-1082 e5. [View journal article]
8. Cohen JA, Calabresi PA, Chakraborty S, Edwards KR, Eickenhorst T, Felton WL, et al. Avonex Combination Trial in relapsing--remitting MS: rationale, design and baseline data. Mult Scler. 2008;14(3):370-82. [View journal article]
9. Coles AJ, Compston DA, Selmaj KW, Lake SL, Moran S, Margolin DH, et al. Alemtuzumab vs. interferon beta-1a in early multiple sclerosis. N Engl J Med. 2008;359(17):1786-801. [View journal article]
10. Lotze TE, Northrop JL, Hutton GJ, Ross B, Schiffman JS, Hunter JV. Spectrum of pediatric neuromyelitis optica. Pediatrics. 2008;122(5):e1039-47. [View journal article]
11. Nash RA, Stuve O, Bowen JD, Frohman EM, Griffith LM, Hutton GJ, et al. Autologous HSCT for advanced MS: is the glass half-empty or really half-full? Brain. 2008;131(Pt 2):e89; author reply e90. [View journal article]
12. Suarez Zambrano GA, Hutton GJ. Heart-shaped lesion secondary to neurosarcoidosis. Arch Neurol. 2008;65(10):1388-9. [View journal article]
13. Vu T, Carrum G, Hutton G, Heslop HE, Brenner MK, Kamble R. Human herpesvirus-6 encephalitis following allogeneic hematopoietic stem cell transplantation. Bone Marrow Transplant. 2007;39(11):705-9. [View journal article]
14. Zhang J, Hutton G. Role of magnetic resonance imaging and immunotherapy in treating multiple sclerosis. Annu Rev Med. 2005;56:273-302. [View journal article]
15. Bakshi R, Hutton GJ, Miller JR, Radue EW. The use of magnetic resonance imaging in the diagnosis and long-term management of multiple sclerosis. Neurology. 2004;63(11 Suppl 5):S3-11. [View journal article]
16. Hong J, Zang YC, Hutton G, Rivera VM, Zhang JZ. Gene expression profiling of relevant biomarkers for treatment evaluation in multiple sclerosis. J Neuroimmunol. 2004;152(1-2):126-39. [View journal article]

17. Rivera-Olmos VM, Hutton GJ, Breitbach WT. Discrepancia entre clinica e imagen: esclerosis multiple en fase intermedia. Presentacion de un caso y revision del tema [Discrepancy between clinics and image techniques: intermediate phase of multiple sclerosis. A case report and review of the literature]. Rev Mex Neuroci. 2004;5(2):158-62. [View journal article]
18. Sun W, Popat U, Hutton G, Zang YC, Krance R, Carrum G, et al. Characteristics of T-cell receptor repertoire and myelin-reactive T cells reconstituted from autologous haematopoietic stem-cell grafts in multiple sclerosis. Brain. 2004;127(Pt 5):996-1008. [View journal article]
19. Zang YC, Skinner SM, Robinson RR, Li S, Rivera VM, Hutton GJ, et al. Regulation of differentiation and functional properties of monocytes and monocyte-derived dendritic cells by interferon beta in multiple sclerosis. Mult Scler. 2004;10(5):499-506. [View journal article]
20. Zhang J, Hutton G, Zang Y. A comparison of the mechanisms of action of interferon beta and glatiramer acetate in the treatment of multiple sclerosis. Clin Ther. 2002;24(12):1998-2021. [View journal article]

Book Chapters and Other Publications

1. Zhang J, Hutton G. Therapeutic targets for the treatment of multiple sclerosis. In: Columbus F, editor. Treatment and management of multiple sclerosis. New York: Nova Biomedical Books; 2005. p. 107-153.
2. Hutton G, Oyama Y, Burt RK, Popat U. Hematopoietic stem cell transplantation in the treatment of chronic inflammatory demyelinating polyradiculoneuropathy. In: Burt RK, Marmont AM, editors. Stem cell therapy for autoimmune diseases. Georgetown (TX): Landes Bioscience; 2004. p. 419-428.
3. Hutton GJ. Demyelinating and inflammatory diseases of the central nervous system. In: Poolos N, editor. Handbook of differential diagnosis in neurology. Boston: Butterworth-Heinemann; 2001. p. 63-79.

Poster and Platform Presentations

1. Dragan E, Hutton G, Birnbaum Y. Case series of cardiac complications during fingolimod first dose observation period. Presented at the Consortium of Multiple Sclerosis Centers (CMSC), 27th Annual Meeting in Orlando, Fla. (May 29 - June 1, 2013). [View poster]
2. Dragan E, Hutton G. Neuromyelitis optica presenting as multiple sclerosis worsening on natalizumab. Presented at the Consortium of Multiple Sclerosis Centers (CMSC), 27th Annual Meeting in Orlando, Fla. (May 29 - June 1, 2013). [View poster]
3. Dragan E, Hutton G. Treatment of idiopathic relapsing transverse myelitis. Presented at the Consortium of Multiple Sclerosis Centers (CMSC), 27th Annual Meeting in Orlando, Fla. (May 29 - June 1, 2013). [View poster]
4. Dragan E, Saldana-King T, Hutton G. Efficacy of fingolimod in ethnic minorities. Presented at the Consortium of Multiple Sclerosis Centers (CMSC), 27th Annual Meeting in Orlando, Fla. (May 29 - June 1, 2013). [View poster]
5. Nash RA, Hutton GJ, Racke MK, Popat U, Devine SM, Georges GE, et al. Two-year follow-up results of the HALT MS clinical trial (ITN033AI). Presented at the Consortium of Multiple Sclerosis Centers (CMSC), 27th Annual Meeting in Orlando, Fla. (May 29 - June 1, 2013).
6. Dragan E, Hutton G. Treatment of idiopathic relapsing transverse myelitis. Neurology. 2013;80(Meeting Abstracts 1):P02.124. [View poster]
7. Thrower B, Yapundich R, Applebee A, Hutton G, Klingler M, Henney H, et al. Safety and efficacy of 5 mg and 10 mg dalfampridine extended release tablets in patients with multiple sclerosis: First results from a double-blind, placebo-controlled trial. Neurology. 2013;80(Meeting Abstracts 1):P04.096. [View poster]
8. Stosic M, De Jesus P, McCarthy J, Hutton GJ, Rivera VM. Multiple sclerosis patient treated with natalizumab develops immune thrombocytopenic purpura. Presented at the Baylor College of Medicine (BCM), Current Neurology 2012 in Houston, Texas (Nov. 3-4, 2012). [View poster]
9. Avila M, Prieto P, Avila-Ornelas J, Stosic M, Amin A, Hutton GJ, et al. Distal limb discoloration in patients with multiple sclerosis - Case series of 41 patients. Neurology. 2011;76(Suppl 4):A290. [View poster]
10. Qiu C, Avila M, Hutton G. Incidence of multiple sclerosis in patients presenting with neurogenic bladder. Neurology. 2011;76(Suppl 4):A600. [View poster]

11. Avila J, Avila M, Stosic M, Robles L, Prieto PG, Hutton GJ, et al. The role of postpartum intravenous corticosteroids in the prevention of relapses in multiple sclerosis. Presented at the Consortium of Multiple Sclerosis Centers (CMSC), 24th Annual Meeting in San Antonio, Texas (June 2-5, 2010). [View poster]
12. Avila M, Hutton G, Rivera VM. Recurrent and multiphasic disseminated encephalomyelitis, case series. Presented at the Consortium of Multiple Sclerosis Centers (CMSC), 24th Annual Meeting in San Antonio, Texas (June 2-5, 2010). [View poster]
13. Avila M, Prieto P, Robles L, Stosic M, Avila J, Hutton G, et al. Sleep disorders in multiple sclerosis. Presented at the Consortium of Multiple Sclerosis Centers (CMSC), 24th Annual Meeting in San Antonio, Texas (June 2-5, 2010). [View poster]
14. Avila M, Prieto P, Robles L, Avila J, Stosic M, Hutton G, et al. Distal lower limb discoloration in patients with multiple sclerosis. Presented at the Consortium of Multiple Sclerosis Centers (CMSC), 24th Annual Meeting in San Antonio, Texas (June 2-5, 2010). [View poster]
15. Robles L, Hutton GJ, Rivera VM. Use of natalizumab in Hispanic patients with relapsing remitting multiple sclerosis. Presented at the Consortium of Multiple Sclerosis Centers (CMSC), 24th Annual Meeting in San Antonio, Texas (June 2-5, 2010). [View poster]
16. Thorne BJ, Perez FI, Rivera VM, Hutton GJ. Computer-assisted cognitive rehabilitation for multiple sclerosis — Updated findings. Presented at the Consortium of Multiple Sclerosis Centers (CMSC), 24th Annual Meeting in San Antonio, Texas (June 2-5, 2010). [View poster]
17. Hutton G, Avila M, Prieto PG, Avila J, Rivera V. Multiple sclerosis and other CNS demyelination after treatment with tumor necrosis factor alpha blockers. Neurology. 2010;74(9 Suppl 2):A371. [View poster]
18. Bernitsas E, Hutton GJ, Rivera VM. Deep brain stimulation in multiple sclerosis-related Holmes' tremor. Ann Neurol. 2009;66 Suppl 1:S40. [View poster]
19. Helekar SA, Shin JC, Mattson BJ, Bartley K, Stosic M, Saldana-King T, et al. Functional correlation of brain loci during cognitive tasks in multiple sclerosis. Program No. 244.25. 2009 Neuroscience Meeting Planner. Chicago, IL: Society for Neuroscience, 2009. Online. [View poster]
20. Avila M, Prieto PG, Robles L, Hutton GJ, Rivera VM. Clinical and radiographic improvement of an acutely aggressive case of multiple sclerosis treated with cyclophosphamide. Int J MS Care. 2009;11 Suppl 2:52-3. [View poster]
21. Avila M, Robles L, Prieto P, Bernitsas E, Stosic M, Hutton GJ, et al. Prevalence of sleep disorders in multiple sclerosis. Int J MS Care. 2009;11 Suppl 2:83. [View poster]
22. Bernitsas E, Hutton GJ, Rivera VM. Spasmodic dysphonia in MS: A rare symptom or a possible association? Int J MS Care. 2009;11 Suppl 2:31-2. [View poster]
23. Bernitsas E, Stosic M, Hutton GH, Rivera VM. Seizures in MS patients: A retrospective study. Int J MS Care. 2009;11 Suppl 2:32. [View poster]
24. Hutton GJ, Bowen J, Forman S, Frohman E, Griffith L, Kraft G, et al. HALT-MS--Intense immunosuppression and stem cell transplantation for RRMS. Int J MS Care. 2009;11 Suppl 2:4. [View platform presentation]
25. Robles L, Prieto P, DeAlvare L, Hutton GJ, Rivera VM. Difusse white matter abnormalities and neurologic manifestations in a patient with anti-ro positive antibodies. Case Report. Int J MS Care. 2009;11 Suppl 2:43. [View poster]
26. Robles L, Prieto P, Rivera VM, Hutton GJ. Occurrence of herpes zoster in multiple sclerosis patients treated with natalizumab. Int J MS Care. 2009;11 Suppl 2:43. [View poster]
27. Wundes A, Bowen J, Kraft G, Hutton G, Openshaw H, Forman S, et al. HALT MS — Phase II clinical trial of high dose immunosuppressive therapy and autologous hematopoietic stem cell transplantation for active relapsing- remitting multiple sclerosis. Neurology. 2009;72(11 Suppl 3):A356. [View poster]
28. Bernitsas E, Hutton GJ, Rivera VM. Marburg's disease and neuromyelitis optica in brother/sister. Presented at the National Multiple Sclerosis Society (NMSS), Tykeson Fellows Conference in Chicago, Ill. (Nov. 4-7, 2008). [View poster]
29. Avila M, Suarez GA, Brandt D, Ramirez J, Hutton GJ, Rivera VM. Menstrual cycle and menopause in patients with multiple sclerosis. How do these affect the symptoms of disease? Mult Scler. 2008;14 Suppl 1:S155. [View poster]
30. Chaliman RT, Perez FI, Suarez GA, Rivera VM, Hutton GJ. Longitudinal individualized analysis of computer-based cognitive rehabilitation in multiple sclerosis. Mult Scler. 2008;14 Suppl 1:S152. [View poster]
31. Suarez GA, Avila M, Brandt D, Rivera VM, Hutton GJ. Magnetic resonance imaging findings in patients

with clinically isolated syndrome suggestive of multiple sclerosis. Mult Scler. 2008;14 Suppl 1:S223. [View poster]

32. Suarez-Zambrano GA, Ramirez J, Avila M, Brandt D, Escobar BH, Hutton GJ, et al. Silent MRI white matter lesions in patients with CIS suggestive of multiple sclerosis. Int J MS Care. 2008;10 Suppl 1:52. [View poster]
33. Cohen J, Imrey P, Calabresi P, Chakraborty S, Edwards K, Eickenhorst T, et al. Site performance in an investigator-run multiple sclerosis clinical trial. Neurology. 2008;70(11 Suppl 1):A84. [View poster]
34. Kraft GH, Bowen JD, Openshaw H, Forman SJ, Frohman EM, Griffith LM, et al. Phase II clinical trial (HALT-MS: Immune tolerance network) of high dose immunosuppressive therapy (HDIT) and autologus hematopoetic stem cell transplantation (AHSCT) for active relapsing-remitting (RR) multiple sclerosis (MS): Early results. Neurology. 2008;70(11 Suppl 1):A95. [View poster]
35. Suarez-Zambrano GA, Pena JA, Avila M, Hutton GJ, Rivera VM. Frequency and severity of restless legs syndrome in multiple sclerosis: A population study from southeast Texas. Neurology. 2008;70(11 Suppl 1):A334. [View poster]
36. Avila M, Ramirez J, Suarez-Zambrano GA, Hutton GJ, Rivera VM. Multiple sclerosis and antiphospholipid syndrome: Case report. Presented at the Mexican Academy of Neurology, 31st Annual Meeting in Monterrey, Mexico (Oct. 31 - Nov. 5, 2007). [View poster]
37. Avila M, Suarez-Zambrano GA, Ramirez J, Hutton GJ, Rivera VM. Encefalomielitis diseminada recurrente y multifásica reporte de 2 casos. Presented at the Mexican Academy of Neurology, 31st Annual Meeting in Monterrey, Mexico (Oct. 31 - Nov. 5, 2007). [Recurrent Disseminated Encephalomyelitis: Report of 2 Cases] [View poster]
38. Suarez-Zambrano GA, Escobar BH, Avila M, Ramirez J, Hutton GJ, Rivera VM. Experience with natalizumab in a group of ms patients from southeast Texas. Presented at the Mexican Academy of Neurology, 31st Annual Meeting in Monterrey, Mexico (Oct. 31 - Nov. 5, 2007). [View poster]
39. Hutton GJ, Avila M, Suarez-Zambrano GA, Ramirez J, Rivera VM. Recurrent disseminated encephalomyelitis: Report of 2 cases. Presented at the European Committee for Treatment and Research in Multiple Sclerosis (ECTRIMS), 23rd Congress in Prague, Czech Republic (Oct. 11-14, 2007). [View poster]
40. Hutton GJ, Suarez-Zambrano GA, Jafree I, Landero S, Avila M, Rivera VM. Is restless legs syndrome more frequent and severe in the multiple sclerosis population? Study in multiple sclerosis patients from southeast Texas. Presented at the European Committee for Treatment and Research in Multiple Sclerosis (ECTRIMS), 23rd Congress in Prague, Czech Republic (Oct. 11-14, 2007). [View poster]
41. Suarez-Zambrano GA, Avila M, Landero S, Jafree I, Escobar BH, Ramirez J, et al. Experiencia con natalizumab en 40 pacientes con esclerosis multiple exacerbacion remision. Presented at the Colombian Academy of Neurology, VIII Meeting in Cali, Colombia (Aug. 16-19, 2007). [View poster]
42. Jafree I, Hashmi K, Landero S, Suarez G, Hutton GJ, Rivera VM. Multiple sclerosis and other autoimmune diseases. Int J MS Care. 2007;9(2):65. [View poster]
43. Landero S, Rivera VM, Hutton GJ, Suarez-Zambrano GA, Ramirez J. Behavior of multiple sclerosis during pregnancy and after delivery. Int J MS Care. 2007;9(2):67. [View poster]
44. Nash R, Openshaw H, Bowen JD, Forman SJ, Stuve O, Hutton GJ, et al. A phase II study of high-dose immunosuppressive therapy (HDIT) using carmustine, etoposide, cytarabine, and melphalan (beam) + thymoglobulin, and autologous CD34+ hematopoietic stem cell transplant (HCT) for the treatment of poor prognosis multiple sclerosis. HALT-MS. Int J MS Care. 2007;9(2):90. [View poster]
45. Suarez-Zambrano GA, Landero S, Jafree I, Hutton GJ, Rivera VM. Frequency and severity of restless legs syndrome in ms patients from southeast Texas. Int J MS Care. 2007;9(2):77. [View poster]
46. Suarez-Zambrano GA, Landero S, Jafree I, Hutton GJ, Rivera VM. Multiple sclerosis in African Americans: A cohort from southeast Texas. Int J MS Care. 2007;9(2):77-8. [View poster]
47. Suarez-Zambrano GA, Perez F, Avila M, Hutton GJ, Rivera VM. Computer-assisted cognitive rehabilitation in patients with multiple sclerosis. Int J MS Care. 2007;9(2):93. [View poster]
48. Cohen J, Calabresi P, Eickenhorst T, Edwards K, Felton W, Fisher E, et al. Results of the Avonex Combination Trial (ACT). Neurology. 2007;68(12 Suppl 1):A100. [View poster]
49. Suarez-Zambrano GA, Perez F, Avila M, Hutton GJ, Rivera VM. Rehabilitación cognitiva asistida por computadora en pacientes con esclerosis múltiple. Rev Mex Neuroci. 2006;7(5):504. [View poster]

- Cohen J, Calabresi P, Edwards K, Eickenhorst T, Felton W, Fisher E, et al. Rationale, design, and baseline data for the Avonex Combination Trial (ACT). Neurology. 2006;66(5 Suppl 2):A32-3.