

## Curriculum Vitae

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### Postdoctoral Training

1992-95	Research Fellow	Neuroimmunology	University of Utah School of Medicine
1999-2000	Intern	Internal Medicine	Beth Israel Deaconess Medical Center, Harvard Medical School
2000-03	Resident	Neurology	Brigham and Women's Hospital, Massachusetts General Hospital, Harvard Medical School
2003-05	Clinical Fellow	Multiple Sclerosis, Neuroimmunology	Partners MS Center, Brigham and Women's Hospital
2004-06	Research Fellow	Neuroimmunology, Clinical Investigator Training Program	Beth Israel Deaconess Medical Center, Massachusetts Institute of Technology, Harvard University

### Faculty Academic Appointments

2003-06	Fellow	Department of Neurology	Harvard Medical School
2006-10	Instructor	Department of Neurology	Harvard Medical School

2010-	Assistant Professor	Department of Neurology	Harvard Medical School
2012-	Director, Women's Health Program		Partners MS Center, Department of Neurology, Brigham and Women's Hospital
2017-	Co-Director, Women's Neurology Fellowship Training Program		Brigham and Women's Hospital and Massachusetts General Hospital

### Editorial Activities:

Ad Hoc Reviewer

- Journal of Multiple Sclerosis
- The Obstetrics and Gynecology Journal
- Journal of Clinical Immunology
- International Journal of MS Care
- Journal of Microbiology and Infectious Diseases
- Transplant Infectious Disease
- Journal of Neurology
- Neurology

### Selected Report of Regional, National and International Invited Presentations (2011-2017)

2011	<b>Neuroendocrinology Issues in MS management</b> Invited presentation. Neuroendocrinology Study Section, American Academy of Neurology Annual Meeting, Honolulu, HI
2011	<b>Women's Health in Multiple Sclerosis</b> Invited CME presentation. American Academy of Neurology Annual Meeting, Honolulu, HI
2013	<b>MS and Pregnancy</b> Invited Speaker. MS Center of Excellence for Reproductive and Child Health, Vancouver, CA
2013	<b>MS and Pregnancy</b> MS Management Conference, Vienna, AU *(Sponsored by TEVA Neurosciences)

- 2013-2016 **MS and Pregnancy**  
Invited Teaching Course Director/Organizer and Faculty, European Committee for Treatment and Research in Multiple Sclerosis (ECTRIMS), Copenhagen, Denmark, Lyon, FR, Barcelona, SP, London, UK
- 2014 **Pregnancy Management Considerations**  
Invited Speaker. Women’s Health Review Symposium CME program. University of Massachusetts, Worcester, MA
- 2014 **Menopausal Transition in MS**  
Invited Speaker. Women’s Health Review Symposium CME program. University of Massachusetts, Worcester, MA
- 2014 **Pregnancy in MS – Management Considerations**  
Invited Grand Rounds Speaker, Department of Neurology, University of South Florida  
\*(Sponsored by Genzyme)
- 2015 **Update on MS Therapeutics**  
Metrowest Medical Center, Department of Neurology and Medicine, Framingham, MA
- 2015 **Pregnancy in MS**  
Invited Teaching Course Presentation, Consortium of Multiple Sclerosis Centers, Indianapolis, IN
- 2016 **Pregnancy and MS: Complex Clinical Cases**  
Invited Teaching Course Presentation. American Academy of Neurology Annual Meeting. Vancouver, CA

**Report of Scholarship**

**Selected Peer-reviewed publications 2013-2017 – Research Investigations**

1. **Houtchens MK**, Kolb C. (2013). Multiple Sclerosis and Pregnancy: Therapeutic Considerations. *J Neurol.* 260(5):1202-1
2. Bove R, Chitnis T, **Houtchens MK**. 2013 Oct 8. [Epub ahead of print] Menopause in multiple sclerosis: therapeutic considerations. *J Neurol* 10/2013; 261(7)
3. Bove R, Musallam A, Healy B.C., **Houtchens, MK**, Glanz BI, Khoury SJ, Guttmann, CR, De Jager PL., Chitnis T (2013). No sex-specific difference in disease trajectory in multiple sclerosis patients before and after age 50. *BMC Neurology* 07/2013; 13(1):73.
4. Riley Bove, Sura Alwan, Jan M Friedman, Kerstin Hellwig, **Houtchens MK**, Gideon Koren, Ellen Lu, Thomas F McElrath, Penelope Smyth, Helen Tremlett, A Dessa Sadovnick. Management of multiple sclerosis during pregnancy and the reproductive years: a systematic review. *Obstetrics and Gynecology* 12/2014; 124(6):1157-68.
5. Bakshi R, Neema M, Tauhid S, Healy B, Glanz B, Kim G, Miller G, Berkowitz J, Bove R, **Houtchens M** et al.. An expanded composite scale of MRI-defined disease severity in multiple sclerosis: MRDSS2. *Neuroreport* 10/2014; 25 (14), 1156-1161
6. Dobos, K, Healy, B, **Houtchens MK**. (2015) Preventive Health Care Access in Severely Disabled Women with Multiple Sclerosis. *Int J of MS Care.* 1/2015. Epub ahead of print
7. **Houtchens, MK**, Zapata, L, Whitman M et al. Contraception for Women with Multiple Sclerosis: Guidance for Healthcare Providers. *Multiple Sclerosis Journal.* 2017. In Print.

#### **Selected Proceedings of Meetings:**

1. Glanz B, Holland C, Amunwa E, Liptak Z, **Houtchens MK**, Gauthier S, Bakshi R, Khoury S, Guttmann C, Weiner H. Prevalence and pattern of cognitive impairment in early MS. 20th Congress of the European Committee for Treatment and Research in Multiple Sclerosis, Vienna, Austria, 2004. *Multiple Sclerosis* 2004;10(suppl 2):S121.
2. **Houtchens MK**, Benedict R, Killiany R, Sharma J, Jaisani Z, Singh B, Weinstock-Guttman B, Guttmann CRG, Bakshi R. Thalamic atrophy in multiple sclerosis: Clinical-MRI correlations (abstract). 2005 annual meeting of the American Academy of Neurology – Miami, FL. *Neurology* 2005;64(Suppl 1):A260

3. Bakshi R, Neema M, **Houtchens MK**, Napoli S, Dandamudi VSR, De C, Guttmann CRG. (abstract). MRI Measurement of Whole Spinal Cord Volume at 3T: Reproducibility and Relevance to Multiple Sclerosis 2006 annual meeting of the American Academy of Neurology – San Diego, CA. Neurology 2006
4. Jager PD, Guttmann CRG, Holland CM, Wolfish C, Bakshi R, **Houtchens MK**, Weiner HL. Role of the HLA DRB1\*1501 Risk Haplotype in the Expression and Radiographic Phenotypes of Multiple Sclerosis. (abstract). 2006 annual meeting of the American Academy of Neurology – San Diego, CA. Neurology 2006
5. **Houtchens M**, KH Vo, L Stazzone, H Weiner. Neuromyelitis Optica in Pregnancy: Treatment with Intravenous Immunoglobulin. Multiple Sclerosis Journal 10/2012; 18(327-328)
6. Glanz, B, **Houtchens, M**. Cognitive dysfunction in multiple sclerosis. Multiple Sclerosis:Diagnosis and Therapy. 2/2012; 8(239)
7. **Houtchens M**, Kaplan TB, Healy, B, Baksh R. Bove, R, Chitnis, T. Post-partum MRI activity in patients with multiple sclerosis. Multiple Sclerosis Journal 9/2015; 21(111)

### **Selected Reviews, Chapters, Monographs, Editorials**

**Houtchens MK**. MS and Pregnancy. In: MS Progress Note. National Multiple Sclerosis Society. February 2012.

**Houtchens MK**, Khoury SJ. “Multiple Sclerosis.” In: Goldman MB, Troisi R, Rexrode K. Women and Health. 2<sup>nd</sup> Edition. Elsevier. December 2012.

**Houtchens MK**. “Multiple Sclerosis in Pregnancy.” In: Clinical Obstetrics Gynecology 56(2):342-349, June 2013.

**Houtchens MK**. “Multiple Sclerosis and Pregnancy Considerations.” In: Multiple Sclerosis Foundation Brochure. 9/2015

**Houtchens MK**, Sadovnick D. “Health Issues in Women with MS.” In **Houtchens MK**, Sadovnick D (editors). Health Issues in Women with MS. In press. 1/2016

### **Books**

**M.Houtchens**, D. Sadovnick. (Editors) «Health Issues in Women with Multiple Sclerosis.» Springer. March 2017. ISBN-13: 978-3709148563

### **Internet resources**

**Houtchens MK**, Rose JW, Welsh C. Multiple Sclerosis. [Comprehensive Web Presentation] 2000; Url: <http://medstat.med.utah.edu/kw/ms/index.html>

**Houtchens MK**. (2010) Clinical Focus: Current Considerations in Managing MS During and After Pregnancy. Medscape Education Clinical Forum. <http://www.medscape.org/viewarticle/729278>

Hutton G, **Houtchens M**. (2010). Pregnancy and Multiple Sclerosis. Management Considerations. Medscape Education Clinical Forum. [http://www.medscape.org/viewarticle/722209\\_transcript](http://www.medscape.org/viewarticle/722209_transcript)

**Houtchens M**. A Focus on Special Populations in MS: How Does Management Change? CME Medscape Education Clinical Forum. [http://www.medscape.org/viewarticle/864373\\_3](http://www.medscape.org/viewarticle/864373_3)

### **Recent Meeting Presentations**

Preventive Health Care Access in Women with Severe Neurologic Disability. K. Dobos, B. Healy, **M. Houtchens**. European Committee for Treatment and Research in Multiple Sclerosis (ECTRIMS) 2012, Lyon, France

Impact of Menopause on Disease Course in Women with Multiple Sclerosis: A Pilot Study. R Bove, A. Musallam, B.C. Healy, B. Glanz, **M. Houtchens**, P.L. De Jager, T. Chitnis. ECTRIMS 2012, Lyon, France

Neuromyelitis Optica in Pregnancy: Treatment with Intravenous Immunoglobulin. **M. Houtchens**, K.H. Vo, L. Stazzone, H. Weiner. ECTRIMS 2012, Lyon, France

Management of Pregnant MS Patient. **Houtchens MK**. ECTRIMS 2013. Copenhagen, Demark.

Post-Partum MRI activity in MS patients. **Houtchens MK**, Bokow T, Healy B et al. Barcelona, Spain 2015.

ECTRIMS 2012-2016. Course Director. Pregnancy and Multiple Sclerosis.

AAN 2016. Teaching Course on Pregnancy Management in Multiple Sclerosis, Vancouver, BC