

MS-registrets publikationslista 2003-2018

2018

Andersen O, Hildeman A, Longfils M, Tedeholm H, Skoog B, Tian W, et al. Diffusion tensor imaging in multiple sclerosis at different final outcomes. *Acta Neurol Scand.* 2018 Feb;137(2):165-73. PubMed PMID: 28741711. Epub 2017/07/25. eng.

Berntsson SG, Kristoffersson A, Boström I, Feresiadou A, Burman J, Landtblom AM. Rapidly increasing off-label use of rituximab in multiple sclerosis in Sweden - Outlier or predecessor? *Acta Neurol Scand.* 2018 Oct;138(4):327-31. PubMed PMID: 29797711. Epub 2018/05/24. eng.

Dagiassi I, Vall V, Kumlien E, Burman J, Zelano J. Treatment of epilepsy in multiple sclerosis. *Seizure.* 2018 May;58:47-51. PubMed PMID: 29656097. Epub 2018/04/05. eng.

de Flon P, Söderström L, Laurell K, Dring A, Sundström P, Gunnarsson M, et al. Immunological profile in cerebrospinal fluid of patients with multiple sclerosis after treatment switch to rituximab and compared with healthy controls. *PLoS One.* 2018;13(2):e0192516. PubMed PMID: 29420590. PMCID: PMC5805315. Epub 2018/02/08. eng.

Dunn N, Juto A, Ryner M, Manouchehrinia A, Piccoli L, Fink K, et al. Rituximab in multiple sclerosis: Frequency and clinical relevance of anti-drug antibodies. *Mult Scler.* 2018 08;24(9):1224-33. PubMed PMID: 28762877. Epub 2017/08/01. eng.

Eliasdottir O, Hildeman A, Longfils M, Nerman O, Lycke J. A nationwide survey of the influence of month of birth on the risk of developing multiple sclerosis in Sweden and Iceland. *J Neurol.* 2018 Jan;265(1):108-14. PubMed PMID: 29159463. PMCID: PMC5760596. Epub 2017/11/20. eng.

Freilich J, Manouchehrinia A, Trusheim M, Baird LG, Desbiens S, Berndt E, et al. Characterization of annual disease progression of multiple sclerosis patients: A population-based study. *Mult Scler.* 2018 05;24(6):786-94. PubMed PMID: 28481159. Epub 2017/05/08. eng.

Granqvist M, Boremalm M, Poorghobad A, Svenningsson A, Salzer J, Frisell T, et al. Comparative Effectiveness of Rituximab and Other Initial Treatment Choices for Multiple Sclerosis. *JAMA Neurol.* 2018 Mar;75(3):320-7. PubMed PMID: 29309484. PMCID: PMC5885857. eng.

Gyllensten H, Wiberg M, Alexanderson K, Friberg E, Hillert J, Tinghög P. Comparing costs of illness of multiple sclerosis in three different years: A population-based study. *Mult Scler.* 2018 04;24(4):520-8. PubMed PMID: 28367678. Epub 2017/04/03. eng.

Gyllensten H, Kavaliunas A, Alexanderson K, Hillert J, Tinghög P, Friberg E. Costs and quality of life by disability among people with multiple sclerosis: a register-based study in Sweden. *Mult Scler J Exp Transl Clin.* 2018 2018 Jul-Sep;4(3):2055217318783352. PubMed PMID: 30090640. PMCID: PMC6077913. Epub 2018/07/09. eng.

Gyllensten H, Wiberg M, Alexanderson K, Norlund A, Friberg E, Hillert J, et al. Costs of illness of multiple sclerosis in Sweden: a population-based register study of people of working age. *Eur J Health Econ.* 2018 Apr;19(3):435-46. PubMed PMID: 28488184. PMCID: PMC5978901. Epub 2017/05/09. eng.

Hedström AK, Hössjer O, Katsoulis M, Kockum I, Olsson T, Alfredsson L. Organic solvents and MS susceptibility: Interaction with MS risk HLA genes. *Neurology.* 2018 07;91(5):e455-e62. PubMed PMID: 29970406. PMCID: PMC6093765. Epub 2018/07/03. eng.

Landfeldt E, Castelo-Branco A, Svedbom A, Löfroth E, Kavaliunas A, Hillert J. Personal Income Before and After Diagnosis of Multiple Sclerosis. *Value Health.* 2018 05;21(5):590-5. PubMed PMID: 29753357. Epub 2017/11/15. eng.

Landfeldt E, Castelo-Branco A, Svedbom A, Löfroth E, Kavaliunas A, Hillert J. The long-term impact of early treatment of multiple sclerosis on the risk of disability pension. *J Neurol*. 2018 Mar;265(3):701-7. PubMed PMID: 29392457. PMCID: PMC5834562. Epub 2018/02/01. eng.

Landfeldt E, Castelo-Branco A, Svedbom A, Löfroth E, Kavaliunas A, Hillert J. The long-term impact of multiple sclerosis on the risk of divorce. *Mult Scler Relat Disord*. 2018 Aug;24:145-50. PubMed PMID: 30007180. Epub 2018/07/03. eng.

Mahamud Z, Burman J, Zelano J. Risk of epilepsy after a single seizure in multiple sclerosis. *Eur J Neurol*. 2018 06;25(6):854-60. PubMed PMID: 29512931. Epub 2018/04/06. eng.

Piehl F, Kockum I, Khademi M, Blennow K, Lycke J, Zetterberg H, et al. Plasma neurofilament light chain levels in patients with MS switching from injectable therapies to fingolimod. *Mult Scler*. 2018 07;24(8):1046-54. PubMed PMID: 28627962. Epub 2017/06/19. eng.

Spelman T, Frisell T, Piehl F, Hillert J. Comparative effectiveness of rituximab relative to IFN- β or glatiramer acetate in relapsing-remitting MS from the Swedish MS registry. *Mult Scler*. 2018 07;24(8):1087-95. PubMed PMID: 28649912. Epub 2017/06/26. eng.

Wesnes K, Myhr KM, Riise T, Cortese M, Pugliatti M, Boström I, et al. Physical activity is associated with a decreased multiple sclerosis risk: The EnvIMS study. *Mult Scler*. 2018 02;24(2):150-7. PubMed PMID: 28273774. Epub 2017/02/01. eng.

2017

Birkeldh U, Manouchehrinia A, Hietala MA, Hillert J, Olsson T, Piehl F, et al. The Temporal Retinal Nerve Fiber Layer Thickness Is the Most Important Optical Coherence Tomography Estimate in Multiple Sclerosis. *Front Neurol*. 2017;8:675. PubMed PMID: 29326643. PMCID: PMC5733353. Epub 2017/12/13. eng.

Bjørnevik K, Riise T, Bostrom I, Casetta I, Cortese M, Granieri E, et al. Negative interaction between smoking and EBV in the risk of multiple sclerosis: The EnvIMS study. *Mult Scler*. 2017 Jun;23(7):1018-24. PubMed PMID: 27663872. Epub 2016/09/23. eng.

Burkill S, Montgomery S, Hajiebrahimi M, Hillert J, Olsson T, Bahmanyar S. Mortality trends for multiple sclerosis patients in Sweden from 1968 to 2012. *Neurology*. 2017 Aug;89(6):555-62. PubMed PMID: 28687718. Epub 2017/07/07. eng.

Burman J, Zelano J. Epilepsy in multiple sclerosis: A nationwide population-based register study. *Neurology*. 2017 Dec;89(24):2462-8. PubMed PMID: 29117950. Epub 2017/11/08. eng.

de Flon P, Laurell K, Söderström L, Gunnarsson M, Svenningsson A. Improved treatment satisfaction after switching therapy to rituximab in relapsing-remitting MS. *Mult Scler*. 2017 Aug;23(9):1249-57. PubMed PMID: 27780912. Epub 2016/10/25. eng. Fagius J, Feresiadou A, Larsson EM, Burman J. Discontinuation of disease modifying treatments in middle aged multiple sclerosis patients. First line drugs vs natalizumab. *Mult Scler Relat Disord*. 2017 Feb;12:82-7. PubMed PMID: 28283113. Epub 2017/01/24. eng.

Feltelius N, Gedeberg R, Holm L, Zethelius B. Utility of registries for post-marketing evaluation of medicines. A survey of Swedish health care quality registries from a regulatory perspective. *Ups J Med Sci*. 2017 Jun;122(2):136-47. PubMed PMID: 28276780. PMCID: PMC5441374. Epub 2017/03/03. eng.

Gianfrancesco MA, Glymour MM, Walter S, Rhead B, Shao X, Shen L, et al. Causal Effect of Genetic Variants Associated With Body Mass Index on Multiple Sclerosis Susceptibility. *Am J Epidemiol*. 2017 02;185(3):162-71. PubMed PMID: 28073764. PMCID: PMC5391720. eng.

Gianfrancesco MA, Stridh P, Rhead B, Shao X, Xu E, Graves JS, et al. Evidence for a causal relationship between low vitamin D, high BMI, and pediatric-onset MS. *Neurology*. 2017 Apr;88(17):1623-9. PubMed PMID: 28356466. PMCID: PMC5405763. Epub 2017/03/29. eng.

Hedström AK, Katsoulis M, Hössjer O, Bomfim IL, Oturai A, Sondergaard HB, et al. The interaction between smoking and HLA genes in multiple sclerosis: replication and refinement. *Eur J Epidemiol*. 2017 10;32(10):909-19. PubMed PMID: 28597127. PMCID: PMC5680370. Epub 2017/06/08. eng.

Kalincik T, Manouchehrinia A, Sobisek L, Jokubaitis V, Spelman T, Horakova D, et al. Towards personalized therapy for multiple sclerosis: prediction of individual treatment response. *Brain*. 2017 Sep;140(9):2426-43. PubMed PMID: 29050389. eng.

Kavaliunas A, Manouchehrinia A, Stawiarz L, Ramanujam R, Agholme J, Hedström AK, et al. Importance of early treatment initiation in the clinical course of multiple sclerosis. *Mult Scler*. 2017 Aug;23(9):1233-40. PubMed PMID: 27754943. Epub 2016/10/17. eng.

Kavaliunas A, Manouchehrinia A, Danylaite Karrenbauer V, Gyllensten H, Glaser A, Alexanderson K, et al. Income in Multiple Sclerosis Patients with Different Disease Phenotypes. *PLoS One*. 2017;12(1):e0169460. PubMed PMID: 28081163. PMCID: PMC5231357. Epub 2017/01/12. eng.

Manouchehrinia A, Westerlind H, Kingwell E, Zhu F, Carruthers R, Ramanujam R, et al. Age Related Multiple Sclerosis Severity Score: Disability ranked by age. *Mult Scler*. 2017 Dec;23(14):1938-46. PubMed PMID: 28155580. PMCID: PMC5700773. Epub 2017/02/03. eng.

Manouchehrinia A, Beiki O, Hillert J. Clinical course of multiple sclerosis: A nationwide cohort study. *Mult Scler*. 2017 Oct;23(11):1488-95. PubMed PMID: 27956559. Epub 2016/12/12. eng.

Novakova L, Axelsson M, Khademi M, Zetterberg H, Blennow K, Malmeström C, et al. Cerebrospinal fluid biomarkers as a measure of disease activity and treatment efficacy in relapsing-remitting multiple sclerosis. *J Neurochem*. 2017 04;141(2):296-304. PubMed PMID: 27787906. Epub 2016/11/29. eng.

Novakova L, Axelsson M, Khademi M, Zetterberg H, Blennow K, Malmeström C, et al. Cerebrospinal fluid biomarkers of inflammation and degeneration as measures of fingolimod efficacy in multiple sclerosis. *Mult Scler*. 2017 01;23(1):62-71. PubMed PMID: 27003946. Epub 2016/07/11. eng.

Song J, Karrenbauer V, Manouchehrinia A, Almqvist C, Hillert J, Westerlind H. Similar familial risk in multiple sclerosis subgroups. *Mult Scler*. 2017 Nov;23(13):1782-5. PubMed PMID: 28090800. Epub 2017/01/16. eng.

Steri M, Orrù V, Idda ML, Pitzalis M, Pala M, Zara I, et al. Overexpression of the Cytokine BAFF and Autoimmunity Risk. *N Engl J Med*. 2017 04;376(17):1615-26. PubMed PMID: 28445677. PMCID: PMC5605835. eng.

Trojano M, Tintore M, Montalban X, Hillert J, Kalincik T, Iaffaldano P, et al. Treatment decisions in multiple sclerosis - insights from real-world observational studies. *Nat Rev Neurol*. 2017 Feb;13(2):105-18. PubMed PMID: 28084327. Epub 2017/01/13. eng.

Westerlind H, Stawiarz L, Fink K, Hillert J, Manouchehrinia A. Re: Declines in the diagnosis of primary progressive MS-A critical change in phenotype or critical measurement error? *Mult Scler*. 2017 02;23(2):305-7. PubMed PMID: 27650518. Epub 2016/09/28. eng.

2016

Al Nimer F, Elliott C, Bergman J, Khademi M, Dring AM, Aeinehband S, et al. Lipocalin-2 is increased in progressive multiple sclerosis and inhibits remyelination. *Neurol Neuroimmunol Neuroinflamm*. 2016 Feb;3(1):e191. PubMed PMID: 26770997. PMCID: PMC4708925. Epub 2016/01/07. eng.

- Alping P, Frisell T, Novakova L, Islam-Jakobsson P, Salzer J, Björck A, et al. Rituximab versus fingolimod after natalizumab in multiple sclerosis patients. *Ann Neurol*. 2016 Jun;79(6):950-8. PubMed PMID: 27038238. Epub 2016/04/20. eng.
- Ayoglu B, Mitsios N, Kockum I, Khademi M, Zandian A, Sjöberg R, et al. Anoctamin 2 identified as an autoimmune target in multiple sclerosis. *Proc Natl Acad Sci U S A*. 2016 Feb;113(8):2188-93. PubMed PMID: 26862169. PMCID: PMC4776531. Epub 2016/02/09. eng.
- Bergman P, Piket E, Khademi M, James T, Brundin L, Olsson T, et al. Circulating miR-150 in CSF is a novel candidate biomarker for multiple sclerosis. *Neurol Neuroimmunol Neuroinflamm*. 2016 Jun;3(3):e219. PubMed PMID: 27144214. PMCID: PMC4841644. Epub 2016/04/20. eng.
- de Flon P, Gunnarsson M, Laurell K, Söderström L, Birgander R, Lindqvist T, et al. Reduced inflammation in relapsing-remitting multiple sclerosis after therapy switch to rituximab. *Neurology*. 2016 Jul;87(2):141-7. PubMed PMID: 27316241. Epub 2016/06/17. eng.
- Frisell T, Forsberg L, Nordin N, Kiesel C, Alfredsson L, Askling J, et al. Comparative analysis of first-year fingolimod and natalizumab drug discontinuation among Swedish patients with multiple sclerosis. *Mult Scler*. 2016 Jan;22(1):85-93. PubMed PMID: 25921036. Epub 2015/04/28. eng.
- George MF, Briggs FB, Shao X, Gianfrancesco MA, Kockum I, Harbo HF, et al. Multiple sclerosis risk loci and disease severity in 7,125 individuals from 10 studies. *Neurol Genet*. 2016 Aug;2(4):e87. PubMed PMID: 27540591. PMCID: PMC4974846. Epub 2016/08/04. eng.
- Hedström AK, Olsson T, Alfredsson L. Body mass index during adolescence, rather than childhood, is critical in determining MS risk. *Mult Scler*. 2016 06;22(7):878-83. PubMed PMID: 26362895. Epub 2015/09/11. eng.
- Hedström AK, Alfredsson L, Olsson T. Environmental factors and their interactions with risk genotypes in MS susceptibility. *Curr Opin Neurol*. 2016 06;29(3):293-8. PubMed PMID: 27035899. eng.
- Hedström AK, Mowry EM, Gianfrancesco MA, Shao X, Schaefer CA, Shen L, et al. High consumption of coffee is associated with decreased multiple sclerosis risk; results from two independent studies. *J Neurol Neurosurg Psychiatry*. 2016 May;87(5):454-60. PubMed PMID: 26940586. PMCID: PMC4853555. Epub 2016/03/03. eng.
- Hedström AK, Olsson T, Alfredsson L. Smoking is a major preventable risk factor for multiple sclerosis. *Mult Scler*. 2016 07;22(8):1021-6. PubMed PMID: 26459151. Epub 2015/10/12. eng.
- Kierkegaard M, Lundberg IE, Olsson T, Johansson S, Ygberg S, Opava C, et al. High-intensity resistance training in multiple sclerosis - An exploratory study of effects on immune markers in blood and cerebrospinal fluid, and on mood, fatigue, health-related quality of life, muscle strength, walking and cognition. *J Neurol Sci*. 2016 Mar;362:251-7. PubMed PMID: 26944158. Epub 2016/02/03. eng.
- Lam MA, Maghzal GJ, Khademi M, Piehl F, Ratzler R, Romme Christensen J, et al. Absence of systemic oxidative stress and increased CSF prostaglandin F_{2α} in progressive MS. *Neurol Neuroimmunol Neuroinflamm*. 2016 Aug;3(4):e256. PubMed PMID: 27386506. PMCID: PMC4929888. Epub 2016/06/30. eng.
- Landfeldt E, Castelo-Branco A, Svedbom A, Löfroth E, Kavaliunas A, Hillert J. Sick leave and disability pension before and after diagnosis of multiple sclerosis. *Mult Scler*. 2016 12;22(14):1859-66. PubMed PMID: 27650517. Epub 2016/09/20. eng.
- Lindblom RP, Aeinehband S, Ström M, Al Nimer F, Sandholm K, Khademi M, et al. Complement Receptor 2 is increased in cerebrospinal fluid of multiple sclerosis patients and regulates C3 function. *Clin Immunol*. 2016 05;166-167:89-95. PubMed PMID: 27085202. Epub 2016/04/13. eng.

Rhead B, Bäärnhielm M, Gianfrancesco M, Mok A, Shao X, Quach H, et al. Mendelian randomization shows a causal effect of low vitamin D on multiple sclerosis risk. *Neurol Genet*. 2016 Oct;2(5):e97. PubMed PMID: 27652346. PMCID: PMC5022843. Epub 2016/09/13. eng.

Salzer J, Svenningsson R, Alping P, Novakova L, Björck A, Fink K, et al. Rituximab in multiple sclerosis: A retrospective observational study on safety and efficacy. *Neurology*. 2016 Nov;87(20):2074-81. PubMed PMID: 27760868. PMCID: PMC5109942. Epub 2016/10/19. eng.

Salzer J, Lycke J, Wickström R, Naver H, Piehl F, Svenningsson A. Rituximab in paediatric onset multiple sclerosis: a case series. *J Neurol*. 2016 Feb;263(2):322-6. PubMed PMID: 26603152. Epub 2015/11/24. eng.

Westerlind H, Stawiarz L, Fink K, Hillert J, Manouchehrinia A. A significant decrease in diagnosis of primary progressive multiple sclerosis: A cohort study. *Mult Scler*. 2016 07;22(8):1071-9. PubMed PMID: 27072687. Epub 2016/04/12. eng.

Ziemssen T, Hillert J, Butzkueven H. The importance of collecting structured clinical information on multiple sclerosis. *BMC Med*. 2016 May;14:81. PubMed PMID: 27246898. PMCID: PMC4888646. Epub 2016/05/31. eng.

Öckinger J, Hagemann-Jensen M, Kullberg S, Engvall B, Eklund A, Grunewald J, et al. T-cell activation and HLA-regulated response to smoking in the deep airways of patients with multiple sclerosis. *Clin Immunol*. 2016 08;169:114-20. PubMed PMID: 27339331. Epub 2016/06/23. eng.

2015

Boström I, Landtblom AM. Does the changing sex ratio of multiple sclerosis give opportunities for intervention? *Acta Neurol Scand*. 2015;132(199):42-5. PubMed PMID: 26046558. eng.

Goris A, Pauwels I, Gustavsen MW, van Son B, Hilven K, Bos SD, et al. Genetic variants are major determinants of CSF antibody levels in multiple sclerosis. *Brain*. 2015 Mar;138(Pt 3):632-43. PubMed PMID: 25616667. PMCID: PMC4408440. Epub 2015/01/22. eng.

Hedström AK, Lima Bomfim I, Hillert J, Olsson T, Alfredsson L. Obesity interacts with infectious mononucleosis in risk of multiple sclerosis. *Eur J Neurol*. 2015 Mar;22(3):578-e38. PubMed PMID: 25530445. PMCID: PMC4365756. Epub 2014/12/20. eng.

Hedström AK, Åkerstedt T, Olsson T, Alfredsson L. Shift work influences multiple sclerosis risk. *Mult Scler*. 2015 Aug;21(9):1195-9. PubMed PMID: 25698167. Epub 2015/02/19. eng.

Hillert J, Stawiarz L. The Swedish MS registry – clinical support tool and scientific resource. *Acta Neurol Scand*. 2015;132(199):11-9. PubMed PMID: 26046553. PMCID: PMC4657484. eng.

Kavaliunas A, Wiberg M, Tinghög P, Glaser A, Gyllensten H, Alexanderson K, et al. Earnings and Financial Compensation from Social Security Systems Correlate Strongly with Disability for Multiple Sclerosis Patients. *PLoS One*. 2015;10(12):e0145435. PubMed PMID: 26695832. PMCID: PMC4691204. Epub 2015/12/22. eng.

Kavaliunas A, Stawiarz L, Hedbom J, Glaser A, Hillert J. The influence of immunomodulatory treatment on the clinical course of multiple sclerosis. *Adv Exp Med Biol*. 2015;822:19-24. PubMed PMID: 25416973. eng.

Kempe P, Hammar M, Brynhildsen J. Symptoms of multiple sclerosis during use of combined hormonal contraception. *Eur J Obstet Gynecol Reprod Biol*. 2015 Oct;193:1-4. PubMed PMID: 26196655. Epub 2015/07/09. eng.

- Matell H, Lycke J, Svenningsson A, Holmén C, Khademi M, Hillert J, et al. Age-dependent effects on the treatment response of natalizumab in MS patients. *Mult Scler*. 2015 Jan;21(1):48-56. PubMed PMID: 24866201. Epub 2014/05/27. eng.
- Ramanujam R, Hedström AK, Manouchehrinia A, Alfredsson L, Olsson T, Bottai M, et al. Effect of Smoking Cessation on Multiple Sclerosis Prognosis. *JAMA Neurol*. 2015 Oct;72(10):1117-23. PubMed PMID: 26348720. eng.
- Roshanisefat H, Bahmanyar S, Hillert J, Olsson T, Montgomery S. All-cause mortality following a cancer diagnosis amongst multiple sclerosis patients: a Swedish population-based cohort study. *Eur J Neurol*. 2015 Jul;22(7):1074-80. PubMed PMID: 25903644. Epub 2015/04/22. eng.
- Sundal C, Baker M, Karrenbauer V, Gustavsen M, Bedri S, Glaser A, et al. Hereditary diffuse leukoencephalopathy with spheroids with phenotype of primary progressive multiple sclerosis. *Eur J Neurol*. 2015 Feb;22(2):328-33. PubMed PMID: 25311247. PMCID: PMC4289423. Epub 2014/10/13. eng.
- Svenningsson A, Salzer J, Vågberg M, Sundström P. Increasing prevalence of multiple sclerosis in Västerbotten County of Sweden. *Acta Neurol Scand*. 2015 Dec;132(6):389-94. PubMed PMID: 25857351. Epub 2015/04/10. eng.
- Tedeholm H, Skoog B, Lisovskaja V, Runmarker B, Nerman O, Andersen O. The outcome spectrum of multiple sclerosis: disability, mortality, and a cluster of predictors from onset. *J Neurol*. 2015 May;262(5):1148-63. PubMed PMID: 25712541. Epub 2015/02/26. eng.
- Westerlind H, Imrell K, Ramanujam R, Myhr KM, Celius EG, Harbo HF, et al. Identity-by-descent mapping in a Scandinavian multiple sclerosis cohort. *Eur J Hum Genet*. 2015 May;23(5):688-92. PubMed PMID: 25159868. PMCID: PMC4402631. Epub 2014/08/27. eng.
- Wiberg M, Friberg E, Stenbeck M, Alexanderson K, Norlund A, Hillert J, et al. Sources and level of income among individuals with multiple sclerosis compared to the general population: A nationwide population-based study. *Mult Scler*. 2015 Nov;21(13):1730-41. PubMed PMID: 25698166. Epub 2015/02/19. eng.
- Wickström A, Sundström P, Wickström L, Dahle C, Vrethem M, Svenningsson A. Improved working ability in a contemporary MS population compared with a historic non-treated MS population in the same geographic area of Sweden. *Mult Scler J Exp Transl Clin*. 2015 2015 Jan-Dec;1:2055217315608203. PubMed PMID: 28607705. PMCID: PMC5433506. Epub 2015/09/22. eng.

2014

- Boström I, Stawiarz L, Landtblom AM. Age-specific sex ratio of multiple sclerosis in the National Swedish MS Register (SMSreg). *Mult Scler*. 2014 Apr;20(4):513-4. PubMed PMID: 23921135. Epub 2013/08/06. eng.
- Bäärnhielm M, Olsson T, Alfredsson L. Fatty fish intake is associated with decreased occurrence of multiple sclerosis. *Mult Scler*. 2014 May;20(6):726-32. PubMed PMID: 24158977. Epub 2013/10/24. eng.
- Engdahl E, Gustafsson R, Ramanujam R, Sundqvist E, Olsson T, Hillert J, et al. HLA-A(*)02, gender and tobacco smoking, but not multiple sclerosis, affects the IgG antibody response against human herpesvirus 6. *Hum Immunol*. 2014 Jun;75(6):524-30. PubMed PMID: 24662416. Epub 2014/03/22. eng.
- Ferreira D, Voevodskaya O, Imrell K, Stawiarz L, Spulber G, Wahlund LO, et al. Multiple sclerosis patients lacking oligoclonal bands in the cerebrospinal fluid have less global and regional brain atrophy. *J Neuroimmunol*. 2014 Sep;274(1-2):149-54. PubMed PMID: 24999245. Epub 2014/06/26. eng.
- Gustavsen MW, Viken MK, Celius EG, Berge T, Mero IL, Berg-Hansen P, et al. Oligoclonal band phenotypes in MS differ in their HLA class II association, while specific KIR ligands at HLA class I show association to

MS in general. *J Neuroimmunol*. 2014 Sep;274(1-2):174-9. PubMed PMID: 25037176. Epub 2014/07/06. eng.

Gyllenberg A, Piehl F, Alfredsson L, Hillert J, Bomfim IL, Padyukov L, et al. Variability in the CIITA gene interacts with HLA in multiple sclerosis. *Genes Immun*. 2014 Apr-May;15(3):162-7. PubMed PMID: 24430172. Epub 2014/01/16. eng.

Hedström AK, Hillert J, Olsson T, Alfredsson L. Alcohol as a modifiable lifestyle factor affecting multiple sclerosis risk. *JAMA Neurol*. 2014 Mar;71(3):300-5. PubMed PMID: 24395432. eng.

Hedström AK, Lima Bomfim I, Barcellos L, Gianfrancesco M, Schaefer C, Kockum I, et al. Interaction between adolescent obesity and HLA risk genes in the etiology of multiple sclerosis. *Neurology*. 2014 Mar;82(10):865-72. PubMed PMID: 24500647. PMCID: PMC3959752. Epub 2014/02/05. eng.

Hedström AK, Hillert J, Olsson T, Alfredsson L. Reverse causality behind the association between reproductive history and MS. *Mult Scler*. 2014 Apr;20(4):406-11. PubMed PMID: 23886823. Epub 2013/07/25. eng.

Hedström AK, Alfredsson L, Lundkvist Ryner M, Fogdell-Hahn A, Hillert J, Olsson T. Smokers run increased risk of developing anti-natalizumab antibodies. *Mult Scler*. 2014 07;20(8):1081-5. PubMed PMID: 24311118. Epub 2013/12/05. eng.

Hedström AK, Ryner M, Fink K, Fogdell-Hahn A, Alfredsson L, Olsson T, et al. Smoking and risk of treatment-induced neutralizing antibodies to interferon β -1a. *Mult Scler*. 2014 Apr;20(4):445-50. PubMed PMID: 23924603. Epub 2013/08/07. eng.

Sundqvist E, Bergström T, Daialhosein H, Nyström M, Sundström P, Hillert J, et al. Cytomegalovirus seropositivity is negatively associated with multiple sclerosis. *Mult Scler*. 2014 Feb;20(2):165-73. PubMed PMID: 23999606. Epub 2013/09/02. eng.

Sundqvist E, Buck D, Warnke C, Albrecht E, Gieger C, Khademi M, et al. JC polyomavirus infection is strongly controlled by human leucocyte antigen class II variants. *PLoS Pathog*. 2014 Apr;10(4):e1004084. PubMed PMID: 24763718. PMCID: PMC3999271. Epub 2014/04/24. eng.

Ueda P, Rafatnia F, Bäärnhielm M, Fröbom R, Korzunowicz G, Lönnerbro R, et al. Neonatal vitamin D status and risk of multiple sclerosis. *Ann Neurol*. 2014 Sep;76(3):338-46. PubMed PMID: 24985080. Epub 2014/07/10. eng.

Westerlind H, Ramanujam R, Uvehag D, Kuja-Halkola R, Boman M, Bottai M, et al. Modest familial risks for multiple sclerosis: a registry-based study of the population of Sweden. *Brain*. 2014 Mar;137(Pt 3):770-8. PubMed PMID: 24441172. PMCID: PMC3927700. Epub 2014/01/17. eng.

Westerlind H, Boström I, Stawiarz L, Landtblom AM, Almqvist C, Hillert J. New data identify an increasing sex ratio of multiple sclerosis in Sweden. *Mult Scler*. 2014 Oct;20(12):1578-83. PubMed PMID: 24842964. PMCID: PMC4230455. Epub 2014/05/19. eng.

Wickström A, Dahle C, Vrethem M, Svenningsson A. Reduced sick leave in multiple sclerosis after one year of natalizumab treatment. A prospective ad hoc analysis of the TYNERGY trial. *Mult Scler*. 2014 07;20(8):1095-101. PubMed PMID: 24378984. Epub 2013/12/30. eng.

2013

Beecham AH, Patsopoulos NA, Xifara DK, Davis MF, Kempainen A, Cotsapas C, et al. Analysis of immune-related loci identifies 48 new susceptibility variants for multiple sclerosis. *Nat Genet*. 2013 Nov;45(11):1353-60. PubMed PMID: 24076602. PMCID: PMC3832895. Epub 2013/09/29. eng.

Bergendal G, Martola J, Stawiarz L, Kristoffersen-Wiberg M, Fredrikson S, Almqvist O. Callosal atrophy in multiple sclerosis is related to cognitive speed. *Acta Neurol Scand*. 2013 Apr;127(4):281-9. PubMed PMID: 22988936. Epub 2012/09/18. eng.

- Boström I, Stawiarz L, Landtblom AM. Sex ratio of multiple sclerosis in the National Swedish MS Register (SMSreg). *Mult Scler.* 2013 Jan;19(1):46-52. PubMed PMID: 22711712. Epub 2012/06/18. eng.
- Flensner G, Landtblom AM, Söderhamn O, Ek AC. Work capacity and health-related quality of life among individuals with multiple sclerosis reduced by fatigue: a cross-sectional study. *BMC Public Health.* 2013 Mar;13:224. PubMed PMID: 23497281. PMCID: PMC3606119. Epub 2013/03/15. eng.
- Hedström AK, Hillert J, Olsson T, Alfredsson L. Exposure to anaesthetic agents does not affect multiple sclerosis risk. *Eur J Neurol.* 2013 May;20(5):735-9. PubMed PMID: 23347426. Epub 2013/01/24. eng.
- Hedström AK, Hillert J, Olsson T, Alfredsson L. Nicotine might have a protective effect in the etiology of multiple sclerosis. *Mult Scler.* 2013 Jul;19(8):1009-13. PubMed PMID: 23319071. Epub 2013/01/14. eng.
- Hedström AK, Hillert J, Olsson T, Alfredsson L. Smoking and multiple sclerosis susceptibility. *Eur J Epidemiol.* 2013 Nov;28(11):867-74. PubMed PMID: 24146047. PMCID: PMC3898140. Epub 2013/10/22. eng.
- International Multiple Sclerosis Genetics Consortium (IMSG). Network-based multiple sclerosis pathway analysis with GWAS data from 15,000 cases and 30,000 controls. *Am J Hum Genet.* 2013 Jun;92(6):854-65. PubMed PMID: 23731539. PMCID: PMC3958952. Epub 2013/05/23. eng.
- Karrenbauer VD, Prejs R, Masterman T, Hillert J, Glaser A, Imrell K. Impact of cerebrospinal-fluid oligoclonal immunoglobulin bands and HLA-DRB1 risk alleles on brain magnetic-resonance-imaging lesion load in Swedish multiple sclerosis patients. *J Neuroimmunol.* 2013 Jan;254(1-2):170-3. PubMed PMID: 22967351. Epub 2012/09/08. eng.
- Leone MA, Barizzone N, Esposito F, Lucenti A, Harbo HF, Goris A, et al. Association of genetic markers with CSF oligoclonal bands in multiple sclerosis patients. *PLoS One.* 2013;8(6):e64408. PubMed PMID: 23785401. PMCID: PMC3681825. Epub 2013/06/13. eng.
- Lindén M, Khademi M, Lima Bomfim I, Piehl F, Jagodic M, Kockum I, et al. Multiple sclerosis risk genotypes correlate with an elevated cerebrospinal fluid level of the suggested prognostic marker CXCL13. *Mult Scler.* 2013 Jun;19(7):863-70. PubMed PMID: 23175382. Epub 2012/11/22. eng.
- Lundström W, Highfill S, Walsh ST, Beq S, Morse E, Kockum I, et al. Soluble IL7R α potentiates IL-7 bioactivity and promotes autoimmunity. *Proc Natl Acad Sci U S A.* 2013 May;110(19):E1761-70. PubMed PMID: 23610432. PMCID: PMC3651437. Epub 2013/04/22. eng.
- Malmeström C, Gillett A, Jernås M, Khademi M, Axelsson M, Kockum I, et al. Serum levels of LIGHT in MS. *Mult Scler.* 2013 Jun;19(7):871-6. PubMed PMID: 23037546. Epub 2012/10/04. eng.
- Mero IL, Gustavsen MW, Sæther HS, Flåm ST, Berg-Hansen P, Søndergaard HB, et al. Oligoclonal band status in Scandinavian multiple sclerosis patients is associated with specific genetic risk alleles. *PLoS One.* 2013;8(3):e58352. PubMed PMID: 23472185. PMCID: PMC3589422. Epub 2013/03/05. eng.
- Tedeholm H, Lycke J, Skoog B, Lisovskaja V, Hillert J, Dahle C, et al. Time to secondary progression in patients with multiple sclerosis who were treated with first generation immunomodulating drugs. *Mult Scler.* 2013 May;19(6):765-74. PubMed PMID: 23124789. PMCID: PMC3652599. Epub 2012/11/01. eng.
- Wickström A, Nyström J, Svenningsson A. Improved ability to work after one year of natalizumab treatment in multiple sclerosis. Analysis of disease-specific and work-related factors that influence the effect of treatment. *Mult Scler.* 2013 Apr;19(5):622-30. PubMed PMID: 23012254. Epub 2012/09/25. eng.

2012

Ahlgren C, Odén A, Lycke J. A nationwide survey of the prevalence of multiple sclerosis in immigrant populations of Sweden. *Mult Scler.* 2012 Aug;18(8):1099-107. PubMed PMID: 22207619. Epub 2011/12/29. eng.

Andersen O. From the Gothenburg cohort to the Swedish multiple sclerosis registry. *Acta Neurol Scand Suppl.* 2012 (195):13-9. PubMed PMID: 23278651. eng.

Bäärnhielm M, Hedström AK, Kockum I, Sundqvist E, Gustafsson SA, Hillert J, et al. Sunlight is associated with decreased multiple sclerosis risk: no interaction with human leukocyte antigen-DRB1*15. *Eur J Neurol.* 2012 Jul;19(7):955-62. PubMed PMID: 22289117. Epub 2012/01/31. eng.

Hedström AK, Olsson T, Alfredsson L. High body mass index before age 20 is associated with increased risk for multiple sclerosis in both men and women. *Mult Scler.* 2012 Sep;18(9):1334-6. PubMed PMID: 22328681. Epub 2012/02/10. eng.

Link J, Kockum I, Lorentzen AR, Lie BA, Celius EG, Westerlind H, et al. Importance of human leukocyte antigen (HLA) class I and II alleles on the risk of multiple sclerosis. *PLoS One.* 2012;7(5):e36779. PubMed PMID: 22586495. PMCID: PMC3346735. Epub 2012/05/07. eng.

Mellergård J, Tisell A, Dahlqvist Leinhard O, Blystad I, Landtblom AM, Blennow K, et al. Association between change in normal appearing white matter metabolites and intrathecal inflammation in natalizumab-treated multiple sclerosis. *PLoS One.* 2012;7(9):e44739. PubMed PMID: 23028598. PMCID: PMC3444490. Epub 2012/09/17. eng.

Roshanifefat H, Bahmanyar S, Hillert J, Olsson T, Montgomery S. Shared genetic factors may not explain the raised risk of comorbid inflammatory diseases in multiple sclerosis. *Mult Scler.* 2012 Oct;18(10):1430-6. PubMed PMID: 22419672. Epub 2012/03/14. eng.

Sundqvist E, Sundström P, Lindén M, Hedström AK, Aloisi F, Hillert J, et al. Epstein-Barr virus and multiple sclerosis: interaction with HLA. *Genes Immun.* 2012 Jan;13(1):14-20. PubMed PMID: 21776012. Epub 2011/07/21. eng.

Sundqvist E, Sundström P, Lindén M, Hedström AK, Aloisi F, Hillert J, et al. Lack of replication of interaction between EBNA1 IgG and smoking in risk for multiple sclerosis. *Neurology.* 2012 Sep;79(13):1363-8. PubMed PMID: 22933744. Epub 2012/08/29. eng.

2011

Ahlgren C, Odén A, Lycke J. High nationwide prevalence of multiple sclerosis in Sweden. *Mult Scler.* 2011 Aug;17(8):901-8. PubMed PMID: 21459810. Epub 2011/04/01. eng.

Björkhem I, Lövgren-Sandblom A, Piehl F, Khademi M, Pettersson H, Leoni V, et al. High levels of 15-oxygenated steroids in circulation of patients with multiple sclerosis: fact or fiction? *J Lipid Res.* 2011 Jan;52(1):170-4. PubMed PMID: 20934989. PMCID: PMC2999927. Epub 2010/10/07. eng.

Burman J, Raininko R, Fagius J. Bilateral and recurrent optic neuritis in multiple sclerosis. *Acta Neurol Scand.* 2011 Mar;123(3):207-10. PubMed PMID: 20569226. eng.

Börnsen L, Khademi M, Olsson T, Sørensen PS, Sellebjerg F. Osteopontin concentrations are increased in cerebrospinal fluid during attacks of multiple sclerosis. *Mult Scler.* 2011 Jan;17(1):32-42. PubMed PMID: 20921238. Epub 2010/10/04. eng.

Gunnarsson M, Malmeström C, Axelsson M, Sundström P, Dahle C, Vrethem M, et al. Axonal damage in relapsing multiple sclerosis is markedly reduced by natalizumab. *Ann Neurol.* 2011 Jan;69(1):83-9. PubMed PMID: 21280078. Epub 2010/12/08. eng.

Hedström AK, Bäärnhielm M, Olsson T, Alfredsson L. Exposure to environmental tobacco smoke is associated with increased risk for multiple sclerosis. *Mult Scler.* 2011 Jul;17(7):788-93. PubMed PMID: 21372120. Epub 2011/03/03. eng.

Hedström AK, Åkerstedt T, Hillert J, Olsson T, Alfredsson L. Shift work at young age is associated with increased risk for multiple sclerosis. *Ann Neurol.* 2011 Nov;70(5):733-41. PubMed PMID: 22006815. Epub 2011/10/17. eng.

Hedström AK, Sundqvist E, Bäärnhielm M, Nordin N, Hillert J, Kockum I, et al. Smoking and two human leukocyte antigen genes interact to increase the risk for multiple sclerosis. *Brain.* 2011 Mar;134(Pt 3):653-64. PubMed PMID: 21303861. Epub 2011/02/08. eng.

Holmén C, Piehl F, Hillert J, Fogdell-Hahn A, Lundkvist M, Karlberg E, et al. A Swedish national post-marketing surveillance study of natalizumab treatment in multiple sclerosis. *Mult Scler.* 2011 Jun;17(6):708-19. PubMed PMID: 21228027. Epub 2011/01/12. eng.

Iacobaeus E, Amoudruz P, Ström M, Khademi M, Brundin L, Hillert J, et al. The expression of VEGF-A is down regulated in peripheral blood mononuclear cells of patients with secondary progressive multiple sclerosis. *PLoS One.* 2011 May;6(5):e19138. PubMed PMID: 21573104. PMCID: PMC3089609. Epub 2011/05/06. eng.

International Multiple Sclerosis Genetics Consortium (IMSG). The genetic association of variants in CD6, TNFRSF1A and IRF8 to multiple sclerosis: a multicenter case-control study. *PLoS One.* 2011 Apr;6(4):e18813. PubMed PMID: 21552549. PMCID: PMC3084233. Epub 2011/04/28. eng.

Khademi M, Kockum I, Andersson ML, Iacobaeus E, Brundin L, Sellebjerg F, et al. Cerebrospinal fluid CXCL13 in multiple sclerosis: a suggestive prognostic marker for the disease course. *Mult Scler.* 2011 Mar;17(3):335-43. PubMed PMID: 21135023. Epub 2010/12/06. eng.

Lindén M, Nohra R, Sundqvist E, Khademi M, Hillert J, Alfredsson L, et al. No evidence of IL21 association with multiple sclerosis in a Swedish population. *Tissue Antigens.* 2011 Oct;78(4):271-4. PubMed PMID: 21736561. Epub 2011/07/08. eng.

Piehl F, Holmén C, Hillert J, Olsson T. Swedish natalizumab (Tysabri) multiple sclerosis surveillance study. *Neurol Sci.* 2011 Jan;31 Suppl 3:289-93. PubMed PMID: 20556456. eng.

Roshanifefat H, Bahmanyar S, Hillert J, Olsson T, Montgomery SM. Appendectomy and multiple sclerosis risk. *Eur J Neurol.* 2011 Apr;18(4):667-9. PubMed PMID: 20629715. eng.

Sawcer S, Hellenthal G, Pirinen M, Spencer CC, Patsopoulos NA, Moutsianas L, et al. Genetic risk and a primary role for cell-mediated immune mechanisms in multiple sclerosis. *Nature.* 2011 Aug;476(7359):214-9. PubMed PMID: 21833088. PMCID: PMC3182531. Epub 2011/08/10. eng.

Søndergaard HB, Sellebjerg F, Hillert J, Olsson T, Kockum I, Lindén M, et al. Alterations in KLRB1 gene expression and a Scandinavian multiple sclerosis association study of the KLRB1 SNP rs4763655. *Eur J Hum Genet.* 2011 Oct;19(10):1100-3. PubMed PMID: 21610746. PMCID: PMC3190260. Epub 2011/05/25. eng.

2010

Hofer S, Linnebank M, Weller M, Bahmanyar S, Montgomery SM, Hillert J, et al. Cancer risk among patients with multiple sclerosis and their parents. *Neurology.* 2010 Feb;74(7):614-5; author reply 5. PubMed PMID: 20157167. eng.

Holmqvist P, Hammar M, Landtblom AM, Brynhildsen J. Age at onset of multiple sclerosis is correlated to use of combined oral contraceptives and childbirth before diagnosis. *Fertil Steril.* 2010 Dec;94(7):2835-7. PubMed PMID: 20807659. eng.

Lundkvist M, Greiner E, Hillert J, Fogdell-Hahn A. Multiple sclerosis patients lacking oligoclonal bands in the cerebrospinal fluid are less likely to develop neutralizing antibodies against interferon beta. *Mult Scler.* 2010 Jul;16(7):796-800. PubMed PMID: 20534645. Epub 2010/06/09. eng.

Martola J, Bergström J, Fredrikson S, Stawiarz L, Hillert J, Zhang Y, et al. A longitudinal observational study of brain atrophy rate reflecting four decades of multiple sclerosis: a comparison of serial 1D, 2D, and volumetric measurements from MRI images. *Neuroradiology.* 2010 Feb;52(2):109-17. PubMed PMID: 19774369. Epub 2009/09/23. eng.

Salzer J, Svenningsson A, Sundström P. Neurofilament light as a prognostic marker in multiple sclerosis. *Mult Scler.* 2010 Mar;16(3):287-92. PubMed PMID: 20086018. Epub 2010/01/19. eng.

Salzer J, Svenningsson A, Sundström P. Season of birth and multiple sclerosis in Sweden. *Acta Neurol Scand.* 2010 Jul;122(1):70-3. PubMed PMID: 20597868. eng.

2009

Hedström AK, Bäärnhjelm M, Olsson T, Alfredsson L. Tobacco smoking, but not Swedish snuff use, increases the risk of multiple sclerosis. *Neurology.* 2009 Sep;73(9):696-701. PubMed PMID: 19720976. eng.

Holmqvist P, Hammar M, Landtblom AM, Brynhildsen J. Symptoms of multiple sclerosis in women in relation to cyclical hormone changes. *Eur J Contracept Reprod Health Care.* 2009 Oct;14(5):365-70. PubMed PMID: 19916763. eng.

Martola J, Stawiarz L, Fredrikson S, Hillert J, Bergström J, Flodmark O, et al. One-dimensional-ratio measures of atrophy progression in multiple sclerosis as evaluated by longitudinal magnetic resonance imaging. *Acta Radiol.* 2009 Oct;50(8):924-32. PubMed PMID: 19639474. eng.

2008

Flensner G, Ek AC, Landtblom AM, Söderhamn O. Fatigue in relation to perceived health: people with multiple sclerosis compared with people in the general population. *Scand J Caring Sci.* 2008 Sep;22(3):391-400. PubMed PMID: 18840223. eng.

Kobelt G, Berg J, Lindgren P, Jonsson B, Stawiarz L, Hillert J. Modeling the cost-effectiveness of a new treatment for MS (natalizumab) compared with current standard practice in Sweden. *Mult Scler.* 2008 Jun;14(5):679-90. PubMed PMID: 18566030. eng.

Martola J, Stawiarz L, Fredrikson S, Hillert J, Bergström J, Flodmark O, et al. Rate of ventricular enlargement in multiple sclerosis: a nine-year magnetic resonance imaging follow-up study. *Acta Radiol.* 2008 Jun;49(5):570-9. PubMed PMID: 18568545. eng.

Thangarajh M, Gomez-Rial J, Hedström AK, Hillert J, Alvarez-Cermeño JC, Masterman T, et al. Lipid-specific immunoglobulin M in CSF predicts adverse long-term outcome in multiple sclerosis. *Mult Scler.* 2008 Nov;14(9):1208-13. PubMed PMID: 18755821. Epub 2008/08/28. eng.

2007

Lundmark F, Salter H, Hillert J. An association study of two functional promotor polymorphisms in the myeloperoxidase (MPO) gene in multiple sclerosis. *Mult Scler.* 2007 Jul;13(6):697-700. PubMed PMID: 17613595. Epub 2007/03/15. eng.

Martola J, Stawiarz L, Fredrikson S, Hillert J, Bergström J, Flodmark O, et al. Progression of non-age-related callosal brain atrophy in multiple sclerosis: a 9-year longitudinal MRI study representing four decades of disease development. *J Neurol Neurosurg Psychiatry.* 2007 Apr;78(4):375-80. PubMed PMID: 17119006. PMCID: PMC2077793. Epub 2006/11/21. eng.

Nilsagard Y, Lundholm C, Gunnarsson LG, Denison E. Clinical relevance using timed walk tests and 'timed up and go' testing in persons with multiple sclerosis. *Physiother Res Int.* 2007 Jun;12(2):105-14. PubMed PMID: 17536648. eng.

Smestad C, Brynedal B, Jonasdottir G, Lorentzen AR, Masterman T, Akesson E, et al. The impact of HLA-A and -DRB1 on age at onset, disease course and severity in Scandinavian multiple sclerosis patients. *Eur J Neurol.* 2007 Aug;14(8):835-40. PubMed PMID: 17662002. eng.

2006

Holmqvist P, Wallberg M, Hammar M, Landtblom AM, Brynhildsen J. Symptoms of multiple sclerosis in women in relation to sex steroid exposure. *Maturitas.* 2006 May;54(2):149-53. PubMed PMID: 16293376. Epub 2005/11/15. eng.

Imrell K, Landtblom AM, Hillert J, Masterman T. Multiple sclerosis with and without CSF bands: clinically indistinguishable but immunogenetically distinct. *Neurology.* 2006 Sep;67(6):1062-4.

Nilsagård Y, Denison E, Gunnarsson LG. Evaluation of a single session with cooling garment for persons with multiple sclerosis--a randomized trial. *Disabil Rehabil Assist Technol.* 2006 Sep;1(4):225-33. PubMed PMID: 19260170. eng.

2005

Flensner G, Ek AC, Söderhamn O. Reliability and validity of the Swedish version of the Fatigue Impact Scale (FIS). *Scand J Occup Ther.* 2005 Dec;12(4):170-80. PubMed PMID: 16457090. eng.

2004

Guggenmos J, Schubart AS, Ogg S, Andersson M, Olsson T, Mather IH, et al. Antibody cross-reactivity between myelin oligodendrocyte glycoprotein and the milk protein butyrophilin in multiple sclerosis. *J Immunol.* 2004 Jan;172(1):661-8. PubMed PMID: 14688379. eng.

Khademi M, Illés Z, Gielen AW, Marta M, Takazawa N, Baecher-Allan C, et al. T Cell Ig- and mucin-domain-containing molecule-3 (TIM-3) and TIM-1 molecules are differentially expressed on human Th1 and Th2 cells and in cerebrospinal fluid-derived mononuclear cells in multiple sclerosis. *J Immunol.* 2004 Jun;172(11):7169-76. PubMed PMID: 15153541. eng.

Landtblom AM, Flensner G, Callander M, Stawiarz L. [The Swedish MS registry points out an important clinical problem: physical and psychological fatigue is a main symptom in multiple sclerosis]. *Lakartidningen.* 2004 Oct;101(44):3456-7. PubMed PMID: 15560662. swe.

2003

Danilov AI, Andersson M, Bavand N, Wiklund NP, Olsson T, Brundin L. Nitric oxide metabolite determinations reveal continuous inflammation in multiple sclerosis. *J Neuroimmunol.* 2003 Mar;136(1-2):112-8. PubMed PMID: 12620649. eng.

Gielen A, Khademi M, Muhallab S, Olsson T, Piehl F. Increased brain-derived neurotrophic factor expression in white blood cells of relapsing-remitting multiple sclerosis patients. *Scand J Immunol.* 2003 May;57(5):493-7. PubMed PMID: 12753507. eng.