

PROGRAMME

EUROPEAN CHARCOT FOUNDATION

SYMPOSIUM 2010

A Reappraisal of Nutrition and Environment  
in Multiple Sclerosis

December 2, 3 and 4, 2010

Fiuggi, Italy

16th European Charcot Foundation Lecture

Prof. A. Ascherio

Thursday December 2, 2010

Nutrition and Environment. Can MS be prevented?

European Charcot Foundation  
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**Thursday December 2, 2010**

13.30      **XVI European Charcot Foundation Lecture**      A. Ascherio,  
Nutrition and Environment. Can MS be prevented?      Boston

14.30 – 15.00      Discussion

**SESSION I**  
**Environment and Genes**  
**Chair: G. Ebers – G. Edan**

15.00      Interactions of environment and genes in Multiple Sclerosis      G. Ebers, Oxford

15.20      Genome-wide association study in a high risk group of MS      E. Jakkula,  
patients      Helsinki

15.40      The pre-disease state of Multiple Sclerosis. Results of a micro      A. Achiron, Tel  
array analysis      Hashomer

16.00 – 16.30      Discussion and Conclusion

16.30 – 17.00      Coffee break

17.30 – 19.00 **Integrated Satellite Symposium**

**Fingolimod: a new approach to the treatment of MS  
In an evolving landscape**

**Chair: G. Comi**

Fingolimod: translation of a natural sphingosine analogue  
Into a novel MS treatment

O. Aktas,  
Germany

Brain imaging of atrophy in MS: distinguishing treatment  
Effects from environmental effects

D. Arnold,  
Montreal

Fingolimod in practice: insights from the clinical  
programme

B.C. Kieseier,  
Düsseldorf

19.30 – 20.30 **Welcome Reception**

**Friday December 3, 2010 (morning)**

**Session II**

**Vitamin D and Multiple Sclerosis**

**Chair: M. Freedman – P. Soelberg Soerensen**

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|-------|-------------------------------------------------------------------------------------------------------------------|------------------------------|
| 08.30 | A review of consequences of the vitamin D deficiency pandemic                                                     | H. Dobnig,<br>Graz           |
| 08.50 | Vitamin D3 levels and subsequent relapse rate in pediatric-onset Multiple Sclerosis                               | E. Mowry,<br>San Francisco   |
| 09.10 | Vitamin D, relapse rate and EDSS in Multiple Sclerosis.                                                           | E. Mowry,<br>San Francisco   |
| 09.30 | Immunomodulatory effects of vitamin D in Multiple Sclerosis                                                       | J. Correale,<br>Buenos Aires |
| 09.50 | Seasonal effect of vitamin D concentrations on Multiple Sclerosis in women. A fundamental gender difference in MS | J. Killestein,<br>Amsterdam  |

10.10 – 10.30 Discussion

10.30 – 11.00 Coffee break

**Chair: M. Freedman – O. Hommes**

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|-------|--------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| 11.00 | Vitamin D as a strong environmental regulator of genetic susceptibility in MS (HLA-DRB1*1501)                                              | S.Ramagopalan,<br>Oxford   |
| 11.20 | Vitamin D supplementation in patients with Multiple Sclerosis                                                                              | P. Calabresi,<br>Baltimore |
| 11.40 | The blood-brain-barrier and CSF vitamin D3 levels. Does vitamin D supplementation in high doses reach the brain tissue at the lesion site? | T. Holmøy,<br>Oslo         |

12.00 – 12.30 Discussion and Conclusion

**Friday December 3, 2010 (afternoon)**

14.00 – 15.30 **Integrated Satellite Symposium**  
**Shaping clinical and physiological knowledge into new treatments: on cladribine and on vitamin D**  
**Chair: O.R. Hommes**

Vitamin D supplementation to disease modifying treatment in MS. The rationale J. Killestein, Amsterdam

Design of the Solar Trial J. Smolders, Sittard

Exploring the mode of action of oral cladribine Freedman, Ottawa

15.30 – 16.00 Coffee break

**Session III**  
**Epidemiology of Environmental factors**  
**Chair: A. Ascherio – T. Holmøy**

16.00 Genome-wide association study in a high risk group of Multiple Sclerosis patients in Värmland, Sweden I. Boström, Kristinehamn

16.20 Is there solar forcing of MS risk? P. Soelberg – Soerensen, Denmark

16.40 Latitude and sunlight exposure as risk factors in Multiple Sclerosis. The Ausimmune study I. Van der Mei, Hobart

17.00 Seasonal, gestational and postnatal influences and risk of Multiple Sclerosis F. Feron, Marseille

17.20 Autoimmunity in patients with Multiple Sclerosis and NMO in Japan J. Kira, Fukuoka

17.40 – 18.00 Discussion and Conclusion

20.00 **Speakers' Dinner**

**Saturday December 4, 2010 (morning)**

**Session IV  
Nutrition and Life Style  
Chair: M. Freedman – O. Fernandez**

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|---------------|-----------------------------------------------------------------|-----------------------------------|
| 09.00         | Epidemiology: results and pit falls                             | B. Uitdehaag,<br>Amsterdam        |
| 09.20         | Cigarette smoking and risk of Multiple Sclerosis                | N. Jafari,<br>Rotterdam           |
| 09.40         | Adolescent obesity and risk of Multiple Sclerosis in women      | A. Ascherio,<br>Boston            |
| 10.00 – 10.30 | Coffee break                                                    |                                   |
|               | <b>Chair: O. Hommes – A. Ascherio</b>                           |                                   |
| 10.30         | HDL and disability in Multiple Sclerosis. The role of vitamin D | B. Weinstock-<br>Guttman, Buffalo |
| 10.50         | Peroxidation of lipoproteins in Multiple Sclerosis              | G. Ferretti,<br>Ancona            |
| 11.10 – 11.30 | Discussion and Conclusion                                       |                                   |
| 12.00         | <b>European Charcot Foundation Young Investigators Award</b>    |                                   |
| 11.30 – 13.00 | Lunch                                                           |                                   |

**Saturday December 4, 2010 (afternoon)**

**Session V**  
**Infections and MS**  
**Chair: F. Aloisi – G. Ebers**

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|---------------|------------------------------------------------------------------------------------------------|------------------------------------|
| 13.00         | The role of EBV in Multiple Sclerosis                                                          | F. Aloisi,<br>Rome                 |
| 13.20         | Herpes virus active replication in Multiple Sclerosis.<br>A genetic control?                   | R. Alvarez-<br>Lafuente,<br>Madrid |
| 13.40         | Intracellular bacteria can cause EAE in SJL mice, or modify self<br>specific T cell repertoire | F. Ria,<br>Rome                    |
| 14.00 – 14.30 | Discussion and Conclusion                                                                      |                                    |
| 14.30         | <b>Closure</b>                                                                                 |                                    |