

# VENOUS FUNCTION AND MULTIPLE SCLEROSIS

INTERNATIONAL SCIENTIFIC COTERIE

BOLOGNA, SEPTEMBER 8th 2009  
Aula Stabat Mater, piazza Galvani 1

In the last five years I carried out a research project at the University of Ferrara which came to the identification of a new vascular pattern which was described as Chronic Cerebro-Spinal Venous Insufficiency (CCSVI). A methodology for screening CCSVI in multiple sclerosis (MS) patients has been further described in cooperation with Fabrizio Salvi of the Neurology Department, Ospedale Bellaria in Bologna. In 2008 we established a scientific collaboration with the Buffalo Neuroimaging Analysis Center and Baird MS Center of the Jacobs Neurological Institute, Department of Neurology, New York State University in Buffalo.

We have developed a large body of knowledge on this topic, yet the road is still a long one, this is why we have decided to involve more authoritative and qualified colleagues in our work in order to inform them about the data we have so far collected and draw useful indications on how to proceed together in the future. This vascular pattern is worryingly associated with Multiple Sclerosis. It is necessary to find as many pathophysiological links as possible between the two diseases and understand how one can affect the other, also in relation to the therapeutic developments which have taken place in the vascular field.

The Meeting is meant to take a completely different approach from the usual medical congresses.

It will be a cenaculum, a small gathering of experts where those that have studied the disease will submit unimaginable scientific evidence to the others, leaving much room to criticism from as well as confrontation and discussion with the participants.

Paolo Zamboni



Director Centre for Vascular Diseases School of Medicine - University of Ferrara

A PROJECT BY



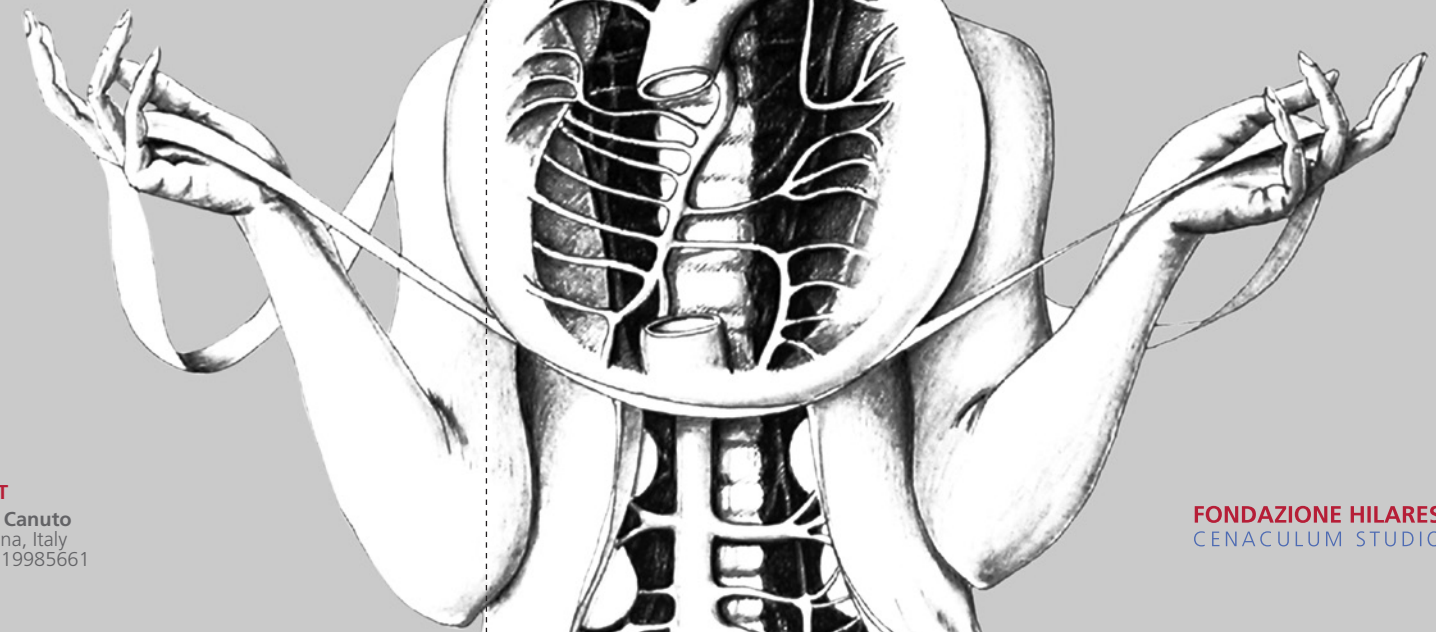
FONDAZIONE  
CASSA DI RISPARMIO  
IN BOLOGNA

[www.fondazionehilarescere.org](http://www.fondazionehilarescere.org)

CONFERENCE SECRETARIAT

Laboratorio delle Idee - Cristiana Canuto  
via Santo Stefano 32 - 40125 Bologna, Italy  
tel. +39 051 19986650 - fax +39 051 19985661  
cristiana.canuto@labidee.it

Taglio anatomico liberamente tratto da Carlo Sclomoni,  
Encyclopédie de Diderot et D'Alambert



# VENOUS FUNCTION AND MULTIPLE SCLEROSIS

INTERNATIONAL SCIENTIFIC COTERIE

BOLOGNA, SEPTEMBER 8th 2009  
Aula Stabat Mater, piazza Galvani 1

FONDAZIONE HILARESCERE  
CENACULUM STUDIORUM





**FONDAZIONE HILARESCERE**  
CENACULUM STUDIORUM

**IIIIII PRESIDENT**

**Fabio Roversi-Monaco**

**IIIIII VICE-PRESIDENT**

**Augusto Zeppi**

**IIIIII CHEF OF THE COTERIE**

**Paolo Zamboni**

**IIIIII SCIENTIFIC BOARD**

**Gary Cutter**  
*Alabama (USA)*

**Michael Dake**  
*Stanford (USA)*

**Claude Franceschi**  
*Paris (FRA)*

**Giulio Gabbiani**  
*Genève (CH)*

**Roberto Galeotti**  
*Ferrara (ITA)*

**Mark Haacke**  
*Detroit (USA)*

**Byung B. Lee**  
*Washington (USA)*

**Francesco Mascoli**  
*Ferrara (ITA)*

**Fabrizio Salvi**  
*Bologna (ITA)*

**Franz Shelling**  
*Dornbirn (AT)*

**Andrea Stella**  
*Bologna (ITA)*

**Bianca Weinstock-Guttman**  
*Buffalo (USA)*

**Robert Zivadinov**  
*Buffalo (USA)*

**IIIIII CHEF OF THE COTERIE**

**Paolo Zamboni**

Università degli Studi di Ferrara

*Ferrara*

*ITA*

**IIIIII PARTECIPANTS**

**Patricia Coyle**

Stony Brook University Hospital

*New York*

*USA*

**Michael Dake**

Stanford University School of Medicine

*Stanford*

*USA*

**Alessandra Ferlini**

Università degli Studi di Ferrara

*Ferrara*

*ITA*

**Elliot Frohman**

University of Texas Southwestern Medical Center

*Dallas*

*USA*

**Giulio Gabbiani**

Centre Médical Universitaire

*Genève*

*CH*

**Roberto Galeotti**

Azienda Ospedaliero-Universitaria di Ferrara

*Ferrara*

*ITA*

**Mark Haacke**

The MRI Institute for Biomedical Research

*Detroit*

*USA*

**Byung B. Lee**

Georgetown University School of Medicine

*Washington*

*USA*

**Joseph Raffetto**

Harvard University

*Boston*

*USA*

**Fabrizio Salvi**

U.O.C. Neurologia Ospedale Bellaria

*Bologna*

*ITA*

**Bianca Weinstock-Guttman**

Jacobs Neurological Institute

*Buffalo*

*USA*

**Robert Zivadinov**

Jacobs Neurological Institute

*Buffalo*

*USA*

**IIIIII AUDIENCE**

**by invitation only**

**9.45**  
WELCOME FROM PRESIDENT  
OF HILARESCERE FOUNDATION  
**Fabio Roversi-Monaco**

**10.00**  
WELCOME FROM  
AUTHORITIES

**1st PART**  
CHRONIC CEREBROSPINAL  
VENOUS INSUFFICIENCY

**2nd PART**  
THE IMPACT OF ENDOVASCULAR  
TREATMENT OF ASSOCIATED  
CCSVI ON THE MULTIPLE  
SCLEROSIS COURSE

**IIIIII PROGRAM**

**10.30** CHAIRMAN: **Elliot Frohman, Robert Zivadinov**  
**Paolo Zamboni**  
Introduction

**10.50** **Byung B. Lee**  
Embriology of the venous system and origin  
of truncular venous malformation  
in the extracranial venous pathways

**11.10** **Giulio Gabbiani**  
Jugular Venous Wall in Multiple Sclerosis

**11.30** **Mark Haacke**  
CCSVI and SWI measure in MS

**11.50** **Bianca Weinstock-Guttman**  
The CVIMS study: Doppler and MRI correlation

**12.10** **Alessandra Ferlini**  
Genetics of MS related to CCSVI

**12.30** CONCLUSION AND REMARKS

**12.45** LUNCH

CHAIRMAN: **Patricia Coyle, Paolo Zamboni**  
**14.15** **Roberto Galeotti**  
Endovascular treatment of CCSVI: a prospective  
open label study. The Vascular Outcome

**14.35** **Fabrizio Salvi**  
Endovascular treatment of CCSVI: a prospective  
open label study. The Neurological Outcome

**14.50** **Michael Dake**  
Preliminary Results at Stanford University

**15.10** **Robert Zivadinov**  
The EVTMS Study

**15.30** CONCLUSION AND REMARKS