

## ACCREDITAMENTO ECM

L'evento ECM n. 5208 - 268077 è rivolto a n. 60 Medici Chirurghi con specializzazione in:

Geriatria, Neurologia, Psichiatria; Biologo; Fisioterapista; Infermiere.

Agenas ha assegnato n. 24 crediti ECM.

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# 8TH INTERNATIONAL Course of Neuroepidemiology: Methods and Clinical Applications

Ettore Majorana Centre for Scientific Culture  
Erice, Italy - November 24 to 30, 2019



## RATIONALE

The main purpose of the Course is to illustrate the most important approaches to the investigation of neurological disorders.

The course will be designed in order to provide information on the methods of epidemiology (descriptive, analytic, experimental) and the use of statistics in epidemiological studies.

On the other hand workshop and seminars will be planned on peculiar topics of Neuroepidemiology (descriptive and analytic epidemiology of Parkinson's diseases Stroke, Dementias, Multiple Sclerosis, Epilepsy).

A section of genetic epidemiology of neurological diseases will be planned to present the strategies and the techniques of this important field of investigation.

## SUNDAY, NOVEMBER 24, 2019

### Arrival and accommodation

## MONDAY, NOVEMBER 25, 2019

### Morning Session (8:30 – 12:15): Surveys in Neurology

8:30 - 8:40	Welcome	
8:40 - 9:00	Introduction to the Course	<i>W. A. Rocca</i>
9:00 - 9:45	Basic Ideas and Terminology	<i>W. A. Rocca</i>
9:45 - 10:30	Population Surveys 1	<i>W. A. Rocca</i>
10:30 - 11:00	Coffee Break	
11:00 - 11:45	Population Surveys 2	<i>W. A. Rocca</i>
11:45 - 12:15	General Discussion	
12:15 - 15:00	Lunch Break	

### Afternoon Session (15:00 – 18:30): Risk Factors: Examples

15:00 - 15:45	Risk and protective factors for stroke	<i>T. Kurth</i>
15:45 - 16:30	Analytical Epidemiology of Migraine	<i>T. Kurth</i>
16:30 - 17:00	Coffee Break	
17:00 - 17:45	Epidemiology of dementias	<i>D. Bennett</i>

## TUESDAY, NOVEMBER 26, 2019

### Morning Session (9:00 – 12:15): Analytic Studies

9:00 - 9:45	Analytic Studies: Overview	<i>W. A. Rocca</i>
9:45 - 10:30	Case-control Studies	<i>W. A. Rocca</i>
10:30 - 11:00	Coffee Break	
11:00 - 11:45	Cohort Studies	<i>W. A. Rocca</i>
11:45 - 12:15	General Discussion	
12:15 - 15:00	Lunch Break	

### Afternoon Session (15:00 - 18:30): Surveys in Neurology: Examples

15:00 - 15:45	Epidemiology of Parkinson's disease	<i>A. Elbaz</i>
15:45 - 16:30	Descriptive and Analytical Epidemiology of Multiple Sclerosis	<i>M. Pugliatti</i>
16:30 - 17:00	Coffee Break	
17:00 - 17:45	How to read a manuscript 1: case-control studies	<i>W. A. Rocca</i>
17:45 - 18:30	How to read a manuscript 2: case-control studies	<i>W. A. Rocca</i>

## THURSDAY, NOVEMBER 28, 2019

### Morning Session (9:00 – 12:15): Genetic Epidemiology

9:00 - 9:45	Introduction to genetic epidemiology 1	<i>R. Ottman</i>
9:45 - 10:30	Introduction to genetic epidemiology 2	<i>R. Ottman</i>
10:30 - 11:00	Coffee Break	
11:00 - 11:45	Familial Aggregation Studies	<i>R. Ottman</i>
11:45 - 12:15	General Discussion	
12:15 - 15:00	Lunch Break	
<b>Afternoon Session (15:00 - 18:30): Neuroepidemiology in developing countries</b>		
15:00 - 15:45	Neuroepidemiologic Studies in Developing Countries	<i>P. M. Preux</i>
15:45 - 16:30	Epidemiology of epilepsy and dementia in Low Medium Income Countries	<i>P. M. Preux</i>
16:30 - 17:00	Coffee Break	
17:00 - 17:45	How to read a manuscript 1: cohort studies	<i>W. A. Rocca</i>
17:45 - 18:30	How to read a manuscript 2: cohort studies	<i>W. A. Rocca</i>

## FRIDAY, NOVEMBER 29, 2019

### Morning Session (9:00 - 12:15): Application of Statistics to Epidemiology

9:00 - 9:45	Use and Misuse of Statistics in Epidemiology	<i>F. Enders</i>
9:45 - 10:30	Importance versus Significance	<i>F. Enders</i>
10:30 - 11:00	Coffee Break	
11:00 - 11:45	Confounding and Interaction	<i>F. Enders</i>
11:45 - 12:15	General Discussion	
12:15 - 15:00	Lunch Break	

### Afternoon Session (15:00 - 18:30): Methods in Neuroepidemiology

15:00 - 15:45	Pharmacoepidemiology and use of administrative data	<i>F. Pisa</i>
15:45 - 16:30	Natural history of Amyotrophic Lateral Sclerosis	<i>G. Logroscino</i>
16:30 - 17:00	Coffee Break	
17:00 - 17:45	Modern epidemiology	<i>T. Kurth</i>

## SATURDAY, NOVEMBER 30, 2019

### Morning Session (8:30 - 12:45): Clinical Trials

9:00 - 9:45	Clinical Trials 1	<i>W. A. Rocca</i>
9:45 - 10:30	Clinical Trials 2	<i>W. A. Rocca</i>
10:30 - 11:00	General Discussion	
11:00 - 11:30	Coffee Break	
11:30 - 12:15	Inferences from Epidemiologic Researches	<i>G. Logroscino</i>
12:15 - 12:30	Closure of the Course	