

Master Class on LHON

Leber's Hereditary Optic Neuropathy

Course Directors:

Prof. Francesco Bandello (Milano)

Prof. Valerio Carelli (Bologna)

Faculty

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in collaboration with



OSPEDALE SAN RAFFAELE



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SAN DONATO



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA
DIPARTIMENTO DI
SCIENZE BIOMEDICHE E NEUROMOTORIE



Master Class on LHON

Leber's Hereditary Optic Neuropathy

12th - 14th February 2018

Course Venues:

MILAN

Clinica Oculistica Università Vita-Salute IRCCS Ospedale San Raffaele

Via Olgettina, 60 - 20132 Milano

BOLOGNA

IRCCS Istituto delle Scienze Neurologiche di Bologna

UOC Clinica Neurologica, Ospedale Bellaria

Dipartimento di Scienze Biomediche NeuroMotorie, Università di Bologna

Via Altura, 3 - 40139 Bologna

Continuing Medical Education



The Master Class on LHON, Milan-Bologna, Italy, 12/02/2018-14/02/2018 has been accredited by the European Accreditation Council for Continuing Medical Education (EACCME®) with 16 European CME credits (ECMEC@s). Each medical specialist should claim only those hours of credit that he/she actually spent in the educational activity.



The Course was granted 22,1 Italian CME Credits

Course registration

In order to register to the Course, please send a request by email to the Organizing Secretariat:

elena.falciola@fclassevents.com

Registrations will be considered valid, upon receipt of written confirmation from the Organizing Secretariat.

Chairmen, speakers and participants thank Fabrizio Sottile, paralympian champion and LHON testimonial, for the images provided.

PROVIDER ECM 362 ORGANIZING SECRETARIAT:



Viale Carducci, 11 - 20123 Milano
Tel. +39 0586.849809 - Fax 0586.349920
Email: elena.falciola@fclassevents.com

PRELIMINARY PROGRAM

12th - 14th February 2018

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PRELIMINARY PROGRAM

February 12, 2018

Milan – San Raffaele Hospital (HSR)

8.00 - 8.30 | Welcome Coffee

8.30 - 9.00 | **Introduction and Presentation of the Course: Reference Centres and Management of NO diseases and Rare Eye Disease**

Prof. Francesco Bandello

9.00 - 10.00 | **LHON - Disease description:**

- Introduction and background
 - Epidemiology
 - Disease demographics
 - Clinical manifestations
 - Visual prognosis and recovery
 - Anatomical and metabolic consideration
 - Visual Prognosis
- Discussion – Q&A



10.00 - 11.00 | **Ophthalmoscopic findings**

- Asymptomatic stage
 - Pre-symptomatic stage
 - Symptomatic stage
- Discussion – Q&A

11.00 - 11.30 | Coffee Break

11.30 - 12.30 | **OCT findings**

- Retinal nerve fiber layer analysis
 - Ganglion cell analysis
 - Optic nerve head analysis
- Discussion – Q&A

12.30 - 14.00 | Lunch

14.00 - 17.00 • **LHON Patient Journey, Patients referral and Excellence Centers Role.**

- Management of LHON patients and families at HSR: Clinical and Genetic diagnosis, Patients and families counselling, Therapy management, Follow up.
 - Flow charts and focus on Differential diagnosis
- Discussion – Q&A

February 13, 2018

Milan – San Raffaele Hospital (HSR)

8.30 - 9.30 | **Instrumental Diagnostic tools for functional and structural evaluation of LHON patient (OCT, angioCT, visual fields, electrophysiology)**

9.30 - 12.00 | **Presentation and discussion of clinical cases with atypical features in practice:**

- Childhood onset
- Late onset (slowly progressive)
- Optic disc size
- LHON plus
- Macular Cysts

12:00 | Light lunch and transfer to Bologna

Bologna – Bellaria Hospital

15.00 - 15.15 | Welcome Coffee

15.15 - 15.30 | **Introduction and Presentation of the second part of the Course: Reference Centres and Management of LHON and IRDs (Inherited Retinal Diseases)**
Prof. Valerio Carelli

15.30 - 17.30 | **Basis of Mitochondrial medicine**

- Mitochondrial genetics
 - Leber's disease: genetics framing
 - Cellular pathogenic mechanism
- Discussion - Q&A

17.30 - 18.30 | **Visit to the laboratories**

- Genetic and biomedical considerations

February 14, 2018

Bologna – Bellaria Hospital

8.30 - 10.30 | **Instrumental Diagnostic tools for evaluation of LHON patients and Lab testing procedures**

- Management of LHON patients and families at Bellaria Hsp
- LHON Patient Journey, Patients referral and Excellence Centers Role
- LHON & DOA database and ongoing observational studies

10.30 - 12.30 | **Presentation and discussion of clinical cases**

- Analysis of patient and family genetic tree
- Genotype and Phenotype correlation
- Triggering factors
- Extra ocular features and associations

12.30 - 13.00 | Discussion – Q&A

13.00 | Closing remarks