

Educational objectives

The early diagnosis of Connective Tissue Diseases has been one of the most important achievements in Rheumatology. The aim of this intensive and interactive EULAR Course on Capillaroscopy (CAP) is to provide all participants with an update on the power of the safe and non-invasive nailfold videocapillaroscopy (NVC) technique in the field of rheumatic diseases, in particular for the early diagnosis of the scleroderma spectrum diseases, its predictability and prognostic value, as well as its role as a tool for the therapeutic follow up.

ACR/EULAR stated in the 2013 guidelines for classification criteria of systemic sclerosis (SSc): "Capillaroscopy is now widely used, and considering the value of magnified nailfold visualization in the diagnosis and management of SSc, these new criteria may encourage acquisition of this skill by physicians caring for SSc patients". However, microvascular emerging CAP patterns observed in other connective tissue diseases will be described and discussed, such as in psoriasis, psoriatic arthritis and dermatomyositis.

Therefore, the course is structured for a progressive learning, training and testing the achievements by the participants. The EULAR course on NVC, with almost 15 years of experience (first on 2004), has been successfully tested for both beginners and already trained operators in microcirculation investigations, by over 950 total participants from almost 58 different countries. Interesting, in the last 4 years, more than 390 publications on CAP are available on PubMed where a total of 1230 papers are reported from 1947. Participants will be fully involved in interactive theoretical and practical capillaroscopic sessions (Learning and Testing sessions, including televoter), engaging a large number of rheumatic patients with different pathologies. Updated clinical sessions concerning the diagnostic/prognostic value of NVC in diseases such as systemic sclerosis and the effects of targeted therapies on microcirculation and immune-inflammatory reaction will represent a stimulating gym based on large clinical cases discussion. Links between the CAP patterns and biomarkers such as autoantibodies will also be updated. In particular, reading and scoring (manual and automated systems) of the videocapillaroscopic images of living patients will be discussed and their predictive value to identify possible clinical complications (i.e. digital ulcers or pulmonary arterial hypertension, etc.) will be analysed. The new guidelines and results regarding the aspects of CAP in pediatric population will be reported. Further sessions will include recent international studies (CAP study) about new predictive models or index based on capillaroscopic analysis. New sessions on practical evaluation of the peripheral blood flow by laser doppler and LASCA imaging have been introduced. In addition, practical sessions on skin ultrasound (US) evaluation in scleroderma will be also available and will be combined with the severity of the videocapillaroscopic images (patterns) in the same living patients. Several monitors will show the on live TV shots of the practical sessions with patients. Interactive sessions with evaluation of the learning status will be organised at the end of each session. Important links between CAP, Laser blood flow analysis and clinical results of therapies, will be presented and discussed for the follow up of patients. At the end of this top Course that is supported by a tutorial team formed by some of the best worlds experts on the matter, the participants will be able to use the capillaroscopy for their day-to-day diagnosis, staging and follow-up, in particular of patients affected by scleroderma spectrum diseases. A syllabus of the Course will be released on USB format.

Best wishes

The Organizing Committee and the Faculty



1st EULAR Course, 2004



2nd EULAR Course, 2006



3rd EULAR Course, 2008



4th EULAR Course, 2010



5th EULAR Course, 2012



6th EULAR Course, 2014



7th EULAR Course, 2016



fighting rheumatic & musculoskeletal diseases together

Organizing Committee

Vanessa Smith, Ghent (B)
Alberto Sulli, Genova (I)

Sabrina Paolino, Genova (I)
Carmen Pizzorni, Genova (I)
Barbara Ruaro, Genova (I)
Amelia C. Trombetta, Genova (I)

Scientific Coordinator

Maurizio Cutolo, MD
Research Laboratory and Academic
Division of Clinical Rheumatology
Department of Internal Medicine
University of Genova
Phone +39 010 3537994
email: mcutolo@unige.it

General information

On the EULAR website at this link
http://eular.org/edu_course_capillaroscopy.cfm
you can find more details about the Course

Congress Venue

Tower Genova Airport Hotel & Conference Center
Via Pionieri ed Aviatori d'Italia, 44
16154 Genova - Italy

Course Opening / Course Closing

Thursday, September 13th, 2018
Saturday, September 15th, 2018

Certificate of Attendance

An EULAR Certificate of Attendance together with a certificate of Participation will be provided at the end of the Course

Official Language

The official Conference language will be English

CME credits

Application forwarded for both national and european credits.

National accreditation (Italian Ministry of Health): ID CME 234449

National credits: 12,6

Educational Objective No. 3

No. participants: 120

Training hours: 18

Professionals Target: Italian and foreign Medical Doctors specialized in Rheumatology, Allergology and Clinical Immunology, Dermatology and Venerology, Cardiology, Internal Medicine, Orthopedy and Traumatology, Geriatrics, Pediatrics.

European accreditation council for CME (EACCME): ID EACCME LEE18-00605

European credits: 18

Scholarship

A valuable support was offered by EULAR giving to 15 young attendees the opportunity to attend the course

Organizing Secretariat and Provider CME



Edra S.p.A. ID CME 4252

Via Spadolini, 7 - 20141 Milano - Italy

Phone +39 02 88184.204 – +39 340 6226094

Fax +39 02 93661586

eMail: l.adami@lswr.it

8th EULAR COURSE

on Capillaroscopy in Rheumatic Diseases

September 13th-15th, 2018 • Genova, Italy

Scientific Programme

EULAR COURSE

Scientific Programme

September 13th

- 12.00-12.50** Participants' registration
Chairmen: *Maurizio Cutolo (Italy), Ariane Herrick (United Kingdom), Vanessa Smith (Belgium)*
- 12.50 - 13.00** Introduction: EULAR CAP Course after 15 years
Maurizio Cutolo (Italy)
- 13.00-13.45** **LECTURE**
Micro- and macrovascular involvement in connective tissues diseases: focus on systemic sclerosis
Eric Hachulla (France)
- 13.45-14.30** **LECTURE**
How originates the fibrosis from the microvascular damage: a matter for advanced targeted therapies in fibrotizing diseases
Oliver Distler (Switzerland)
- 14.30-15.15** **LECTURE**
Combination treatments for clinical complications involving micro- and macrovascular involvement in connective tissues diseases
Christopher Denton (United Kingdom)
- 15.15-15.45** **LECTURE**
The role of capillaroscopy in presence of the Raynaud's phenomenon
Vanessa Smith (Belgium)
- 15.45-16.15** **LEARNING AND TESTING I Televoter before and after**
How to chose the best device for the capillaroscopic analysis
Ariane Herrick (United Kingdom)
- 16.15-16.30** **Coffee Break**
- 16.30-17.00** **LEARNING AND TESTING I Televoter before and after**
Using the capillaroscopy in the daily practice
Vanessa Smith (Belgium)
- 17.00-17.35** **LECTURE**
Reading the microvascular damage with the videocapillaroscope
Maurizio Cutolo (Italy)
- 17.35-18.00** **LEARNING AND TESTING I Televoter before and after**
(Semi)-quantitative manual and automated scoring systems in videocapillaroscopy. Testing your scoring skill in clinical cases
Alberto Sulli (Italy)
Chairmen: *Maurizio Cutolo (Italy), Vanessa Smith (Belgium)*
- 18.00-19.30** **PRACTICAL**
Practical session analyzing the microvasculature by videocapillaroscopy: TV-assisted presentation of clinical cases with living patients from the podium

September 14th

- Chairmen:** *Ulf Müller Ladner (Germany), Oliver Distler (Switzerland), Valeria Riccieri (Italy)*
- 08.30-09.10** **LEARNING AND TESTING I Televoter before and after**
Capillaroscopy advances in the scleroderma spectrum diseases, including overlap syndromes and dermatomyositis – Clinical cases
Rossella De Angelis (Italy)
- 09.10-09.50** **LEARNING AND TESTING I Televoter before and after**
Microvascular changes as observed by capillaroscopy in non scleroderma spectrum disorders, including systemic lupus erythematosus and antiphospholipid syndrome – Clinical cases
Francesca Ingegnoli (Italy)
- 09.50-10.30** **LEARNING AND TESTING I Televoter before and after**
Microcirculatory change evaluation and its predictivity for the skin ulcer and pulmonary arterial hypertension detection in systemic sclerosis
Vanessa Smith (Belgium)
- 10.30-11.00** **Coffee break**
- 11.00-11.30** **LECTURE - PRACTICAL**
The crucial role of the microvascular analysis and capillaroscopy in improving the new EULAR and ACR guidelines for the classification of systemic sclerosis
Ulf Müller Lardner (Germany)
- 11.30-12.00** **LEARNING AND TESTING I Televoter before and after**
Capillaroscopic advances in psoriasis versus psoriatic arthritis and rheumatoid arthritis – Clinical cases
Rossella De Angelis (Italy)
- 12.00-12.40** **LECTURE**
Functional analysis of the peripheral blood flow associated with the capillaroscopic evaluation
Ariane Herrick (United Kingdom)
- 12.40-14.10** **Lunch**
- 14.10-14.40** **PRACTICAL**
New links between functional analysis of dermal thickness by ultrasounds and capillaroscopy in living patients with systemic sclerosis TV-assisted – Clinical cases
Barbara Ruaro (Italy)
Chairmen: *Francesca Ingegnoli (Italy), Rossella De Angelis (Italy), Alberto Sulli (Italy)*
- 14.40-15.20** **LEARNING AND TESTING I Televoter before and after**
The emerging links between autoantibodies and capillaroscopic analysis: their patophysiological role and value for the diagnosis of the connective tissue diseases – Clinical cases
Valeria Riccieri (Italy)

September 15th

- 15.20-16.00** **PRACTICAL**
Practical session combining laser doppler/imaging analysis (LASCA) versus capillaroscopy in TV-assisted living cases of systemic sclerosis
Barbara Ruaro (Italy)
- 16.00-16.30** **Coffee Break**
- 16.30-18.00** **PRACTICAL**
The possible role of capillaroscopy in clinical case resolution and treatment follow-up
Valeria Riccieri (Italy), Sabrina Paolino (Italy), Amelia C. Trombetta (Italy)
- 18.00-19.30** **PRACTICAL**
Practical session with capillaroscopic analysis of clinical cases with living patients by participants (Tutor supported): Rotating small groups and Tutors meet the reality
- Chairmen:** *Jaap van Laar (The Netherlands), Vanessa Smith (Belgium), Ariane Herrick (United Kingdom)*
- 08.30-09.10** **LECTURE**
Emerging role of epigenetics in systemic sclerosis pathogenesis and treatment
Jaap Van Laar (The Netherlands)
- 09.10-09.50** **LECTURE**
The practical role of capillaroscopy in evaluating the effects of therapies in systemic sclerosis
Maurizio Cutolo (Italy)
- 09.50-10.30** **LECTURE**
Raynaud's in childrens: the size of the problem and new guide lines
Ivan Foeldvari (Germany)
- 10.30-11.00** **LEARNING AND TESTING I Televoter before and after**
Advances on capillaroscopy in pediatric patients
Francesca Ingegnoli (Italy)
- 11.00-11.30** **PRACTICAL**
The most common mistakes and pitfalls to be avoided in reading the capillaroscopic images
Rossella De Angelis (Italy), Carmen Pizzorni (Italy)
- 11.30-12.00** **LECTURE**
The capillaroscopic report: data storing and data diffusion
Alberto Sulli (Italy)
- 12.00-12.30** Conclusions and the continuous update by the EULAR Study Group on Microcirculation in Rheumatic Diseases
Maurizio Cutolo (Italy), Vanessa Smith (Belgium)
- 12.30-13.00** Self-Assessment test
- 13.00** Delivery of the certificates to the attendees at the end of the course

8th EULAR COURSE

on Capillaroscopy in Rheumatic Diseases

September 13th-15th, 2018 • Genova, Italy

SCIENTIFIC PROGRAMME

eular

fighting rheumatic & musculoskeletal diseases together

Organizing Committee

Vanessa Smith, Ghent (B)
Alberto Sulli, Genova (I)
Sabrina Paolino, Genova (I)
Carmen Pizzorni, Genova (I)
Barbara Ruaro, Genova (I)
Amelia C. Trombetta, Genova (I)

Scientific Coordinator

Maurizio Cutolo, MD
Research Laboratory
and Academic - Division of
Clinical Rheumatology -
Department of Internal Medicine
University of Genova
Phone +39 010 3537994
email: mcutolo@unige.it

Organizing Secretariat and Provider CME

edra

Edra S.p.A. - ID CME 4252
Via Spadolini, 7
20141 Milano - Italy
Phone +39 02 88184.204
Mobile +39 340 6226094
Fax +39 02 93661586
email: l.adami@lswr.it

CME credits

Application forwarded
for both national
and european credits.

National accreditation:

ID CME 234449
National credits: 12,6
No. participants: 120
Training hours: 18
Educational Objective No. 3
Professionals Target: Medical
Doctors specialized in
Rheumatology, Allergology
and Clinical Immunology,
Dermatology and Venerology,
Cardiology, Internal Medicine,
Orthopedy and Traumatology,
Geriatrics, Pediatrics.

European accreditation:

ID EACCME LEE18-00605
European credits: 18

September 13th

- 12.00-12.50** Participants' registration
Chairmen: *Maurizio Cutolo (Italy), Ariane Herrick (United Kingdom), Vanessa Smith (Belgium)*
- 12.50 - 13.00** Introduction: EULAR CAP Course after 15 years
Maurizio Cutolo (Italy)
- 13.00-13.45** **LECTURE**
Micro- and macrovascular involvement in connective tissues diseases: focus on systemic sclerosis
Eric Hachulla (France)
- 13.45-14.30** **LECTURE**
How originates the fibrosis from the microvascular damage: a matter for advanced targeted therapies in fibrotizing diseases
Oliver Distler (Switzerland)
- 14.30-15.15** **LECTURE**
Combination treatments for clinical complications involving micro- and macrovascular involvement in connective tissues diseases
Christopher Denton (United Kingdom)
- 15.15-15.45** **LECTURE**
The role of capillaroscopy in presence of the Raynaud's phenomenon
Vanessa Smith (Belgium)
- 15.45-16.15** **LEARNING AND TESTING I | Televoter before and after**
How to chose the best device for the capillaroscopic analysis
Ariane Herrick (United Kingdom)
- 16.15-16.30** **Coffee Break**
- 16.30-17.00** **LEARNING AND TESTING I | Televoter before and after**
Using the capillaroscopy in the daily practice
Vanessa Smith (Belgium)
- 17.00-17.35** **LECTURE**
Reading the microvascular damage with the videocapillaroscope
Maurizio Cutolo (Italy)
- 17.35-18.00** **LEARNING AND TESTING I | Televoter before and after**
(Semi)-quantitative manual and automated scoring systems in videocapillaroscopy. Testing your scoring skill in clinical cases
Alberto Sulli (Italy)
Chairmen: *Maurizio Cutolo (Italy), Vanessa Smith (Belgium)*
- 18.00-19.30** **PRACTICAL**
Practical session analyzing the microvasculature by videocapillaroscopy: TV-assisted presentation of clinical cases with living patients from the podium

September 14th

- Chairmen:** *Ulf Müller Ladner (Germany), Oliver Distler (Switzerland), Valeria Riccieri (Italy)*
- 08.30-09.10** **LEARNING AND TESTING I | Televoter before and after**
Capillaroscopy advances in the scleroderma spectrum diseases, including overlap syndromes and dermatomyositis – Clinical cases
Rossella De Angelis (Italy)
- 09.10-09.50** **LEARNING AND TESTING I | Televoter before and after**
Microvascular changes as observed by capillaroscopy in non scleroderma spectrum disorders, including systemic lupus erythematosus and antiphospholipid syndrome – Clinical cases
Francesca Ingegnoli (Italy)
- 09.50-10.30** **LEARNING AND TESTING I | Televoter before and after**
Microcirculatory change evaluation and its predictivity for the skin ulcer and pulmonary arterial hypertension detection in systemic sclerosis
Vanessa Smith (Belgium)
- 10.30-11.00** **Coffee break**
- 11.00-11.30** **LECTURE - PRACTICAL**
The crucial role of the microvascular analysis and capillaroscopy in improving the new EULAR and ACR guidelines for the classification of systemic sclerosis
Ulf Müller Ladner (Germany)

September 15th

- 11.30-12.00** **LEARNING AND TESTING I | Televoter before and after**
Capillaroscopic advances in psoriasis versus psoriatic arthritis and rheumatoid arthritis – Clinical cases
Rossella De Angelis (Italy)
- 12.00-12.40** **LECTURE**
Functional analysis of the peripheral blood flow associated with the capillaroscopic evaluation
Ariane Herrick (United Kingdom)
- 12.40-14.10** **Lunch**
- 14.10-14.40** **PRACTICAL**
New links between functional analysis of dermal thickness by ultrasounds and capillaroscopy in living patients with systemic sclerosis TV-assisted – Clinical cases
Barbara Ruaro (Italy)
Chairmen: *Francesca Ingegnoli (Italy), Rossella De Angelis (Italy), Alberto Sulli (Italy)*
- 14.40-15.20** **LEARNING AND TESTING I | Televoter before and after**
The emerging links between autoantibodies and capillaroscopic analysis: their pathophysiological role and value for the diagnosis of the connective tissue diseases – Clinical cases
Valeria Riccieri (Italy)
- 15.20-16.00** **PRACTICAL**
Practical session combining laser doppler/imaging analysis (LASCA) versus capillaroscopy in TV-assisted living cases of systemic sclerosis
Barbara Ruaro (Italy)
- 16.00-16.30** **Coffee Break**
- 16.30-18.00** **PRACTICAL**
The possible role of capillaroscopy in clinical case resolution and treatment follow-up
Valeria Riccieri (Italy), Sabrina Paolino (Italy), Amelia C. Trombetta (Italy)
- 18.00-19.30** **PRACTICAL**
Practical session with capillaroscopic analysis of clinical cases with living patients by participants (Tutor supported): Rotating small groups and Tutors meet the reality
Chairmen: *Jaap van Laar (The Netherlands), Vanessa Smith (Belgium), Ariane Herrick (United Kingdom)*
- 08.30-09.10** **LECTURE**
Emerging role of epigenetics in systemic sclerosis pathogenesis and treatment
Jaap Van Laar (The Netherlands)
- 09.10-09.50** **LECTURE**
The practical role of capillaroscopy in evaluating the effects of therapies in systemic sclerosis
Maurizio Cutolo (Italy)
- 09.50-10.30** **LECTURE**
Raynaud's in childrens: the size of the problem and new guide lines
Ivan Foeldvari (Germany)
- 10.30-11.00** **LEARNING AND TESTING I | Televoter before and after**
Advances on capillaroscopy in pediatric patients
Francesca Ingegnoli (Italy)
- 11.00-11.30** **PRACTICAL**
The most common mistakes and pitfalls to be avoided in reading the capillaroscopic images
Rossella De Angelis (Italy), Carmen Pizzorni (Italy)
- 11.30-12.00** **LECTURE**
The capillaroscopic report: data storing and data diffusion
Alberto Sulli (Italy)
- 12.00-12.30** **CONCLUSIONS**
Conclusions and the continuous update by the EULAR Study Group on Microcirculation in Rheumatic Diseases
Maurizio Cutolo (Italy), Vanessa Smith (Belgium)
- 12.30-13.00** **Self-Assessment test**
- 13.00** **Delivery of the certificates to the attendees at the end of the course**