

8th EULAR Course on Capillaroscopy in Rheumatic Diseases

13th-15th September, 2018
Genova, Italy



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diseases together

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ORGANISATION AND COMMITTEE

- **Scientific Organiser**

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- **Scientific Managing Committee**

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A. Sulli (I)

S. Paolino (I)

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B. Ruaro (I)

A. Trombetta (I)

- **Faculty**

Denton Christopher (UK)

De Angelis Rossella (Italy)

Distler Oliver (Switzerland)

Foeldvari Ivan (Germany)

Hachulla Eric (France)

Herrick Ariane (UK)

Ingegnoli Francesca (Italy)

Müller Ladner Ulf (Germany)

Paolino Sabrina (Italy)

Pizzorni Carmen (Italy)

Riccieri Valeria (Italy)

Ruaro Barbara (Italy)

Smith Vanessa (Belgium)

Sulli Alberto (Italy)

Van Laar Jaap (The Netherlands)

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- *Possible variations until September 2018*



Organising Secretariat

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GENERAL INFORMATION

- **Course venue**

Tower Genova Airport Hotel & Conference Center

Via Pionieri ed Aviatori d'Italia, 44 - 16154 Genova, Italy

- **Course opening**

13th September 2018

- **Course closing**

15th September 2018

- **Participants**

140-150 participants in total (**15 EULAR bursaries available** - see eular.org for details)

- Medical professions: MD - Rheumatology, Allergology and Clinical Immunology, Dermatology and Venereology, Cardiology and Angiology, Internal Medicine, Geriatrics, Pediatrics

- **Official language**

English

Registration fee *(registration by contacting email: l.adami@lswr.it)*

- **PACKAGE 1:** € 1.300,00 (VAT included)

Includes: attendance to the scientific sessions, certificate of attendance, coffee breaks, lunches, dinner, Hotel accommodation at Congress Venue in single occupancy room 2 nights (IN September 13th - OUT September 15th, 2018).

- **PACKAGE 2:** € 850,00 (VAT included)

Includes: attendance to the scientific sessions, certificate of attendance, coffee breaks, lunches.

- Handling fee: € 50,00



COURSE DESCRIPTION

The early diagnosis of Connective Tissue Diseases has been one of the most important achievement in Rheumatology. The aim of the 8th 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 disorders, 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 antiphospholipid syndrome 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 980 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 the brand new 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 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 disorders.

A syllabus of the Course will be released to all participants on USB format.

- **Learning objectives**

Updating on the power of the safe (the most safe) and non-invasive nailfold videocapillaroscopy (NVC) technique in the field of rheumatic diseases, in particular for the early diagnosis of the scleroderma spectrum disorders, its predictability and prognostic value, as well as its role as a tool for the therapeutic follow up.

Course certification

An **EULAR Certificate of Attendance** to the Course will be given, together with a Certificate of Attendance by the Scientific Secretariat.

Course evaluation

All the attendees will fill following forms:

- Personal Data: The sheet needs to be filled up to provide the personal data to the UEMS - Organization for the European Credits and to CME - Commission of Italian Ministry of Health
- Multiple Answer Choice Questionnaire
- Scientific Program evaluation: Scientific relevance and educational quality of the presentations and speakers
- Educational Evaluation Form



PROGRAMME

September 13th 2018

12.00 - 13.00 Participants' registration

Chairmen: *M. Cutolo (Italy), A. Herrick (United Kingdom), V. Smith (Belgium)*

12.50- 13.00	Introduction: EULAR CAP Course after 15 years	M Cutolo (I)
13.00 - 13.45	LECTURE Micro- and macrovascular involvement in connective tissues diseases: Focus on systemic sclerosis	E. Hachulla (F)
13.45 - 14.30	LECTURE How originates the fibrosis from the microvascular damage: a matter for advanced targeted therapies in fibrotizing diseases	O. Distler (S)
14.30 - 15.15	LECTURE Combination treatments for clinical complications involving micro- and macrovascular involvement in connective tissue diseases	C. Denton (UK)
15.15 - 15.45	LEARNING AND TESTING <i>(Televoter before and after)</i> The role of capillaroscopy in presence of the Raynaud's phenomenon	V. Smith (B)
15.45 - 16.15	LEARNING AND TESTING <i>(Televoter before and after)</i> How to chose the best device for the capillaroscopic analysis	A. Herrick (UK)
16.15 - 16.30	<i>Coffee Break</i>	
16.30 - 17.00	LEARNING AND TESTING <i>(Televoter before and after)</i> Using the capillaroscopy in the daily practice	V. Smith (B)
17.00 - 17.35	LECTURE Reading the microvascular damage with the videocapillaroscope	M. Cutolo (I)



17.35 - 18.00

LEARNING AND TESTING

(Televoter before and after)

(Semi)-quantitative manual and automated scoring systems in videocapillaroscopy
Testing your scoring skillness in clinical cases

A. Sulli (I)

Chairmen: *M. Cutolo (Italy), V. Smith (Belgium)*

18.00 - 19.30

PRACTICAL

Practical session analysing the microvasculature by videocapillaroscopy: TV-assisted presentation of clinical cases with living patients from the podium

Tutors

September 14th 2018

Chairmen: *U. Muller Ladner (Germany), E. Hachulla (France), V. Ricceri (Italy)*

08.30 - 09.10

LEARNING AND TESTING

(Televoter before and after)

Capillaroscopy advances in the scleroderma spectrum disorders, including overlap syndromes and dermatomyositis - Clinical cases

R. De Angelis (I)

09.10 - 09.50

LEARNING AND TESTING

(Televoter before and after)

Microvascular changes as observed by capillaroscopy in non-scleroderma spectrum disorders, including systemic lupus erythematosus and antiphospholipid syndrome - Clinical cases

F. Ingegnoli (I)

09.50 - 10.30

LEARNING AND TESTING

(Televoter before and after)

Microcirculatory change evaluation and its productivity for the skin ulcer and pulmonary arterial hypertension detection in systemic sclerosis

V. Smith (B)

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

U. Müller Lardner (D)



11.30 - 12.00	LEARNING AND TESTING <i>(Televoter before and after)</i> Capillaroscopic advances in psoriasis versus psoriatic arthritis and rheumatoid arthritis – Clinical cases	R. De Angelis (I)
12.00 - 12.40	LECTURE Functional analysis of the peripheral blood flow associated with the capillaroscopic evaluation	A. Herrick (UK)
12.40 - 14.10	<i>Lunch</i>	
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	B. Ruaro (I)
Chairmen: <i>F. Ingegnoli (Italy), R. De Angelis (Italy), A. Sulli (Italy)</i>		
14.40 - 15.20	LEARNING AND TESTING <i>(Televoter before and after)</i> The emerging links between autoantibodies and capillaroscopic analysis: their pathophysiological role and value for the diagnosis of the scleroderma spectrum diseases - Clinical cases	V. Ricceri (I)
15.20 - 16.00	PRACTICAL Practical session combining laser doppler/imaging analysis (LASCA) versus capillaroscopy in TV-assisted living cases of systemic sclerosis	B. Ruaro (I)
16.00 - 16.30	<i>Coffee Break</i>	
16.30 - 18.00	PRACTICAL The possible role of capillaroscopy in clinical case resolution and treatment follow-up	V. Ricceri (I) S. Paolino (I) A. Trombetta (I)
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	



September 15th 2018

Chairmen: *J. Van Laar (The Netherland), V. Smith (Belgium), A. Herrick (UK)*

08.30 - 09.10	LECTURE Emerging role of epigenetics in systemic sclerosis pathogenesis and treatment	J. Van Laar (NL)
09.10 - 09.50	LECTURE The practical role of capillaroscopy in evaluating the effects of therapies in systemic sclerosis	M. Cutolo (I)
09.50 - 10.30	LECTURE Raynaud's in childrens: the size of the problem and new guide lines	I. Foeldvari (D)
10.30 - 11.00	LEARNING AND TESTING <i>(Televoter before and after)</i> Advances on capillaroscopy in pediatric patients	F. Ingegnoli (I)
11.00 - 11.30	PRACTICAL The most common mistakes and pitfalls to be avoided in reading the capillaroscopic images	R. De Angelis(I) C. Pizzorni (I)
11.30 - 12.00	LECTURE The capillaroscopic report: data storing and data diffusion	Sulli (I)
12.0 - 12.30	Conclusions and the continuous update by the EULAR Study Group on Microcirculation in Rheumatic Diseases	M. Cutolo (I) V. Smith (B)
12.30 - 13.00	Self-Assessment test	
13.00	Delivery of the certificates to the participants at the end of the Course	

→ Refreshments available all day at the back of the classroom.

Any changes to the Scientific Programme or to the List of Speaker are possible until the date of Course. Further updates will be published in present EULAR website.