EUROPEAN ACADEMY OF DERMATOLOGY & VENEREOLOGY

Skin Pigmentation in Universal Dermatology

Specialists Course | 10-11 February 2025 | Vilnius, Lithuania

Course Description

Skin pigmentation is a major protective factor of human skin health. It is the most prominent phenotypic characteristic of humans. Its disorders can manifest as a wide spectrum of hyperpigmentation, hypopigmentation and depigmentation, including various benign and malignant skin diseases, which are common skin conditions diagnosed and treated by dermatologists. Protection against the harmful characteristic of ultraviolet radiation (UVR), which is a common skin ageing-inducing and carcinogenic factor, without skin pigmentation is impossible. In recent years, incredible progress has been made in understanding the regulation of human skin pigmentation and photo-ageing, the influence of different visible light spectrums, and the importance of UVR protection for pigmentary processes in the skin. Pharmacological agents and cosmeceuticals, options of aesthetic medicine and LASER procedures to control skin pigment has been a goal in both the medical and cosmetic fields and has significant implications for skin cancer prevention, photoaging, and aesthetics. On the other hand, skin in colour and its diseases, which are phenotypically different than the known pictures in fair skin, currently, gains a great interest and the resulting knowledge invites dermatologists to become familiar with it. That is why it is necessary to delve into various aspects of human skin pigmentation, including its biochemical and hormonal control, response to UV, manifestations of skin pigmentation abnormalities, diseases and ageing, diagnostic techniques as well as pharmacological and interventional manipulations in both fair skin and skin of colour, in order to help patients as effectively as possible in daily dermatological practice.

Learning Objectives

1. Basic understanding of melanocyte biology.
2. Basic and modern understanding of the pigmentation processes in human skin.
3. Clinical comprehension of dermatological pigmentary conditions, abnormalities and diseases.
4. Molecular aspects of pigmentary conditions, abnormalities and diseases.
5. Current pharmacological and interventional manipulations for the main pigmentary skin conditions, abnormalities and diseases.

Faculty

Chairs	Rūta Gancevičienė, Christos C. Zouboulis
Speakers:	Carmen Salavastru, Mauro Picardo, Shyam Verma
Tutors:	Tadas Raudonis, Agnė Sausdravė, Jorinta Jokubaitė

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Programme

Monday, 10 February 2025

10:00-10:15	Welcome and introduction *Rūta Gancevičienė, Christos C. Zouboulis*
10:15-11:00	What do I know about skin pigmentation (test) *All*
11:00-11:30	Coffee Break
11:30-12:00	What do we know about skin pigmentation and its regulation: understanding the melanocyte biology *Mauro Picardo*
12:00-12:30	UV radiation and skin pigmentation: the darker and the brighter side of effects *Carmen Salavastru*
12:30-13:00	Biology of hyperpigmentary disorders *Shyam Verma*
13:00-14:00	Lunch break
14:00-14:30	Acquired disorders of hypopigmentation *Rūta Gancevičienė*
14:30-15:00	Vitiligo: new insights of immunopathogenesis *Mauro Picardo*
15:00-15:30	Genetic disorders of pigmentation: from fancy genes to complex traits *Carmen Salavastru*
15:30-16:00	Coffee Break
16:00-16:30	Alterations of the pigmentation system in the ageing process *Christos C. Zouboulis*
16:30-17:00	Is melasma a photoaging disorder? *Shyam Verma*
17:00-18:00	Management of skin disorders with hypopigmentation: A clinical approach to diagnosis and treatment *Mauro Picardo, Shyam Verma*
18:00-18:30	Photoprotection according to skin phototype and dermatoses: facts and controversies *Rūta Gancevičienė*

20:00-22:00 Networking dinner with speakers and participants

Tuesday, 11 February 2025

09:00-10:00	Practical session I: The significance and challenges of differential diagnosis of pigmented skin changes: • Possibilities and needs of dermoscopy • Implication of Wood's lamp • Significance of a skin biopsy *Rūta Gancevičienė, Tadas Raudonis, Agnė Sausdravė, Jorinta Jokubaitė*
10:00-10:30	New and emerging treatments for the facial hyperpigmentation *Shyam Verma*
10:30-11:00	Coffee Break
11:00-11:30	New and emerging treatments for depigmentation disorders *Mauro Picardo*

11:30-12:00	Laser treatment of hyperpigmented lesions *Rūta Gancevičienė*
12:00-13:00	Lunch break
13:00-16:00	Practical session II: Understanding selective photothermolysis by hands-on session: • IPL/ Nd:YAG/PDL • Common pitfalls • Safety of laser's and Intensive pulse light (IPL) systems • Interactive case demonstration and disscussion *Rūta Gancevičienė, Tadas Raudonis, Agnė Sausdravė, Jorinta Jokubaitė*
16:00-16:30	Coffee Break
16:30-17:00	Chemical peelings for melasma: current knowledge and innovations *Shyam Verma*
17:00-17:30	The Rationale of Anti-Aging *Christos C. Zouboulis*
17:30-18:15	What do I know now about skin pigmentation (test)
18:15-18:30	End of the course and farewell *Rūta Gancevičienė, Christos C. Zouboulis*

The programme might be subject to changes.

EADV Headquarters

Via S. Balestra 22B
6900 Lugano, Switzerland
Tel. +41 91 973 45 20
education@eadv.org - www.eadv.org