

Photobiology Masterclass

Residents Course | 20 May 2023 | Sevilla, Spain

Faculty

Course Chairs: Marie Aleth Richard, Yolanda Gilaberte, Salvador Gonzalez
Speakers: Pepe Aguilera, Piergiacomo Calzavara-Pinton, Sally Ibbotson, Jose Manuel Carrascosa, David Moreno, Henri Adamski.

Course Description

This intense full-day course aims to provide basic and practical knowledge on

- 1) the biologicals and immunological effects of ultraviolet (UV) UV exposure on skin and the way we can protect from them
- 2) the impact of UV exposure in skin aging as well as in photocarcinogenesis
- 3) photodermatoses and photosensibilisations

The sessions will cover photoprotection and management of people with photo sensible skin conditions as well as therapeutic effects provided by UV when used as phototherapy. The teaching programme will bring up-to-date guidelines and evidence-based practice, provided by a panel of European leading experts in the field of photobiology. The live courses will consist in 15 to 30-minutes lectures focusing on key points highlighted by experts on each topic, combined with interactive clinical cases discussions bringing up together speakers and attendees. These unique cases discussions will allow participants to test their diagnostic knowledge based on « quizzes» and allow speakers to share their experience around real-life case studies selected from their practice.

Learning Objectives

1. Understand the short and long terms biological effects of UV radiations
2. Identify photo-dermatosis and photo-aggravated dermatoses based on clinical and photobiological investigations
3. Guide the management of photoprotection according to the conditions of exposed people
4. Provide practical information about phototherapy
5. Recognise complex situations and discuss different strategies based on case studies

Programme

07:15-08:00 Participants check-in

08:00-08:05 Welcome address
Marie Aleth Richard, Yolanda Gilaberte, Salvador Gonzalez, David Moreno

Introduction

08:05-08:35 Spectrum of UV light
Pepe Aguilera

UV exposure and consequences in normal skin-

08:35-09:05 Biological effects of UV exposure: Sunburn and tanning, acute and subacute effects, chronic effects, effects on the cutaneous immune system
Salvador Gonzalez

09:05-09:35 UV and aging – Photoaging
Yolanda Gilaberte

09:35-10:05 UV and skin cancers – Photocarcinogenesis
Piergiacomo Calzavara-Pinton

10:05-10:35 **Coffee Break**

Skin conditions related to UV exposure

10:35-11:05 Immunologically mediated photodermatoses, photo aggravated dermatoses
Sally Ibbotson

11:05-11:35 Inherited disorders characterized by chromosomal instability
Jose Manuel Carrascosa

11:35-12:05 Exogenous photosensibilisations: Chemical and drug induced photosensitivity-phototoxicity-photoallergy
Sally Ibbotson

Photoprotection

12:05-12:25 Photoprotection conventional
Yolanda Gilaberte

12:25-12:45 Recent Advances in Photoprotection
Salvador Gonzalez

12:45-14:00 **Lunch Break**

Investigations and phototherapy

14:00-14:30 PUVA phototherapy
Jose Manuel Carrascosa

14:30-15:00 UVB and UVA1 Phototherapy
Piergiacomo Calzavara-Pinton

15:00-15:30 Photobiological investigations- Investigation procedures in photodermatoses - Phototest diagnoses
Pepe Aguilera

15:30-16:00 Phototherapy: NBUVB, PUVA , localized PUVA, bath PUVA, protocols, cabins, side effects, and how to organize the phototherapy unit
David Moreno

16:00-16:30	Coffee Break
16:30-17:00	PDT <i>Henri Adamski</i>
17:00-17:30	Case quizzes and roundtable <i>Henri Adamski</i>
17:30-18:00	Conclusions and farewell
18:30-20:30	Networking Cocktail

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