

ESMO-EANM ADVANCED COURSE PROGRAMME

DIAGNOSTIC AND THERAPEUTIC APPLICATIONS OF NUCLEAR MEDICINE IN ONCOLOGY

Essen, Germany
6-7 May 2025

CO-CHAIRS: Alessandra Gennari, Italy
Ken Herrmann, Germany

SPEAKERS: Eva Compérat, Austria
Wolfgang Fendler, Germany
Laura Graven, The Netherlands
Viktor Grünwald, Germany
Jolanta A. Krajewska, Poland
Michael Nader, Germany
Marianne E. Pavel, Germany
Ursula Vogl, Switzerland

LEARNING OBJECTIVES

- To get an updated analysis of the diagnostic and therapeutic applications of nuclear medicine in oncology
- To provide a knowledge of principles of both nuclear medicine modalities and systemic oncologic therapies in advanced trainees and specialists in oncology and nuclear medicine
- To provide an educational framework for in-depth analysis of the combined diagnostic/therapeutic strategies (theranostics) in oncology and scientific interaction between oncology and nuclear medicine experts
- To foster interdisciplinary exchange and collaboration in both nuclear medicine imaging and nuclear medicine treatment applications

ACCREDITATION

The programme of this event has been accredited with **9 ESMO-MORA category 1 points**.

Recertification is necessary for medical oncologists to remain professionally certified by ESMO. Recertification guarantees that a certified medical oncologist has continued to update his/her knowledge and continues to possess the necessary skills and standards for the practice of medical oncology. For further details please refer to esmo.org.

ORGANISATION AND CONTACTS

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Tuesday, 6 May 2025

09:00-09:10 **Welcome and introduction**

10' Welcome and Learning Objectives Introduction
Alessandra Gennari, IT and Ken Herrmann, DE

09:10-10:50 **Session 1 - Introduction to theranostics and systemic therapies** Chairs: Alessandra Gennari, IT and Jolanta A. Krajewska, PL

20' Definitions and therapeutic concepts of therapeutic radionuclides
Ken Herrmann, DE

20' Regulatory challenges in the development of theranostics
Michael Nader, DE

20' Radioiodine therapy and systemic therapy for thyroid cancer
Jolanta A. Krajewska, PL

20' Molecular imaging for prognostication and prediction of response
Alessandra Gennari, IT

20' Discussion

10:50-11:20 *Coffee break*

11:20-12:20 **Workshop session**

Workshop session where clinical cases are presented by speakers with interactive questions and discussion with the audience

Workshop 1

Thyroid malignancies
Ken Herrmann, DE and Jolanta A. Krajewska, PL

12:20-13:20 *Lunch*

13:20-14:40 **Session 2 - NETs as role model for theranostics**

Chairs: Ken Herrmann, DE and Marianne E. Pavel, DE

20' Overview NET: Epidemiology, disease specific characteristics and challenges
Laura Graven, NL

20' PRRT in NET: What is the standard?
Wolfgang Fendler, DE

20' Systemic therapies for NETs (other than PRRT)
Marianne E. Pavel, DE

20' Discussion

14:40-15:10 *Coffee break*

- 15:10-16:50 **Session 3 - Expanding theranostics to prostate cancer**
Chairs: Laura Graven, NL and Ursula Vogl, CH
- 20' Biology in advanced prostate cancer with a special focus on PSMA across the disease spectrum (primary tumour, upregulation with AR targeted therapies, heterogeneity etc)
Eva Compérat, AT
- 20' Treatment landscape in advanced prostate cancer
Ursula Vogl, CH
- 20' How to make best use of PSMA RLT in advanced prostate cancer (Status May 2025)
Ken Herrmann, DE
- 20' Future of PSMA RLT outside of prostate cancer
Viktor Grünwald, DE
- 20' Discussion and Conclusion of Day 1
- 19:00 *Networking Dinner*

Wednesday, 7 May 2025

- 9:00-12:30 **Workshop sessions**
Workshop sessions where clinical cases are presented by speakers with interactive questions and discussion with the audience
60' Workshop time
- Workshop 2** How to build and run a theranostic unit
Laura Graven, NL and Ken Herrmann, DE
- Workshop 3** NET theranostics
Wolfgang Fendler, DE and Laura Graven, NL
- 11:00-11:30 *Coffee break*
- Workshop 4** Prostate cancer RLT: Selection and monitoring of patients on treatment
Alessandra Gennari, IT and Ursula Vogl, CH
- 12:30-13:00 **Conclusion & Farewell**
Alessandra Gennari, IT and Ken Herrmann, DE
- 13:00-14:00 *Lunch*