ESMO-EANM Advanced Course on Diagnostic and Therapeutic Applications of Nuclear Medicine in Oncology

ESMO ADVANCED COURSE

ESSEN GERMANY
19-20 MAY 2023

Co-Chairs
Ken Herrmann, Germany
Aurelius Omlin, Switzerland

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ESMO-EANM ADVANCED COURSE PROGRAMME

DIAGNOSTIC AND THERAPEUTIC APPLICATIONS OF NUCLEAR MEDICINE IN ONCOLOGY

Essen, Germany
19-20 May 2023

CO-CHAIRS
Ken Herrmann, Germany
Aurelius G. Omlin, Switzerland

SPEAKERS
Wolfgang Fendler, Germany
Diego Ferone, Italy
Luca Giovanella, Switzerland
Karolien Goffin, Belgium
Laura Graven, Netherlands
Viktor Grünwald, Germany

Jolanta A. Krajewska, Poland
Michael Lassmann, Germany
Katharina Lückerath, Germany
Michael Nader, Germany
Niels Rupp, 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.

Recent certification 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.

ACKNOWLEDGEMENTS

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ORGANISATION AND CONTACTS

ESMO Head Office
Education Department
Via Ginevra 4
6900 Lugano
Switzerland
Email: courses@esmo.org
www.esmo.org
Friday, 19 May 2023

09:00-09:10  Welcome and introduction
10’  Welcome and Learning Objectives Introduction
Ken Herrmann, DE and Aurelius G. Omlin, CH

09:10-10:35  Session 1 - Introduction to Theranostics and Systemic Therapies
Chairs: Jolanta A. Krajewska, PL and Michael Lassmann, DE

20’  Physics background including diagnostic and therapeutic radionuclides including videos
Michael Lassmann, DE

25’  Landscape of systemic therapies for thyroid malignancies
Jolanta A. Krajewska, PL

20’  History of theranostics including radiiodine-therapy
Luca Giovannella, CH

20’  Discussion

10:35-11:05  Coffee break

11:05-12:15  Session 2 - How to run a theranostic unit and beyond
Chairs: Laura Graven, NL and Katharina Lückerath, DE

15’  Regulatory challenges of developing radiopharmaceuticals
Michael Nader, DE

15’  Setting up a theranostic unit (regulatory, radiation safety and reimbursement challenges)
Laura Graven, NL

20’  Outlook towards new theranostic concepts (combination treatments, alpha-emitters, antibodies)
Katharina Lückerath, DE

20’  Discussion

12:15-13:15  Lunch

13:15-14:25  Session 3 - NETs as role model for theranostics
Chairs: Wolfgang Fendler, DE and Diego Ferone, IT

25’  Landscape of systemic therapies for NETs
Diego Ferone, IT

25’  Update PRRT and beyond NETs
Wolfgang Fendler, DE

20’  Discussion

14:25-14:55  Coffee break
14:55-16:40  **Session 4 - Expanding theranostics to prostate cancer**  
Chairs: Viktor Grünwald, DE and Aurelius G. Omlin, 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)
Niels Rupp, CH

25’  Treatment landscape in advanced prostate cancer
Aurelius G. Omlin, CH

25’  How to make best use of PSMA RLT in advanced prostate cancer – Status May 2023
Karolien Goffin, BE

15’  Future of PSMA RLT outside of prostate cancer
Viktor Grünwald, DE

20’  Discussion

19:00  **Networking Dinner**

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**Saturday, 20 May 2023**

9:00-12:30  **Workshop sessions**  
Three workshop sessions where clinical cases are presented by speakers with interactive questions and discussion with the audience  
60’ Workshop time

**Workshop 1**  Thyroid malignancies  
Luca Giovanella, CH and Jolanta Krajewska, PL

**Workshop 2**  NET theranostics  
Wolfgang Fendler, DE and Diego Ferone, IT

11:00-11:30  **Coffee break**

**Workshop 3**  Prostate cancer RLT: Selection and monitoring of patients on treatment  
Aurelius G. Omlin, CH and Ken Herrmann, DE

12:30-13:00  **Conclusion & Farewell**  
Ken Herrmann, DE and Aurelius G. Omlin, CH

13:00-14:00  **Lunch**