ESMO-EANM ADVANCED COURSE PROGRAMME

DIAGNOSTIC AND THERAPEUTIC APPLICATIONS OF NUCLEAR MEDICINE IN ONCOLOGY

Singapore
4-5 December 2023

CO-CHAIRS
Ken Herrmann, Germany
Sean X. Yan, Singapore

SPEAKERS
Jie Chen, China
Leo H. Chen, China
Shawn X. Chen, Singapore
Eva Compérat, Austria
Grace Kong, Australia
Kelvin S. H. Loke, Singapore
Katharina Lückerath, Germany
Aurelius G. Omlin, Switzerland
Sue Ping Thang, Singapore

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.

ACKNOWLEDGEMENTS

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ORGANISATION AND CONTACTS

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**Monday, 4 December 2023**

09:30-09:40  **Welcome and introduction**

**10’** Welcome and learning objectives introduction
Ken Herrmann, DE and Sean X. Yan, SG

09:40-10:45  **Session 1 - Introduction to theranostics and systemic therapies**
Chair: Sean X. Yan, SG

**20’** Physics background including diagnostic and therapeutic radionuclides
Ken Herrmann, DE

**25’** Landscape of thyroid malignancies including radioiodine-therapy
Kelvin S.H. Loke, SG

**20’** Discussion

**10:45-11:15**  **Coffee break**

11:15-12:25  **Session 2 - How to run a theranostic unit and beyond**
Chair: Ken Herrmann, DE

**15’** Regulatory challenges of developing radiopharmaceuticals
Shawn X. Chen, SG

**15’** Setting up a theranostic unit (Regulatory, radiation safety and reimbursement challenges)
Grace Kong, AU

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

**20’** Discussion

**12:25-13:25**  **Lunch**

13:25-14:35  **Session 3 - NETs as role model for theranostics**
Chair: Sean X. Yan, SG

**25’** Landscape of systemic therapies for NETs
Jie Chen, CN

**25’** Update PRRT and beyond NETs
Sean X. Yan, SG

**20’** Discussion

**14:35-15:05**  **Coffee break**

15:05-17:10  **Session 4 - Expanding theranostics to prostate cancer**
Chair: 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, ...)
Eva Compérat, AT

**25’** Treatment landscape in advanced prostate cancer
Aurelius G. Omlin, CH
PSMA RLT in advanced prostate cancer
Sue Ping Thang, SG

New targets and theranostic concepts in prostate cancer
Ken Herrmann, DE

FAP-directed theranostics: The next PSMA?
Leo H. Chen, CN

Discussion

19:00 Networking Dinner

Tuesday, 5 December 2023

9:30-13:00 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
Kelvin S.H. Loke, SG

Workshop 2 NET theranostics: Response evaluation and consequent action
Sean X. Yan, SG

11:30-12:00 Coffee break

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

13:00-13:15 Conclusion & farewell
Ken Herrmann, DE and Sean X. Yan, SG

13:15-14:15 Lunch