



IAEA/ESNM Webinar Series on basic NM

Basic Principles of Radionuclide Therapy and common Clinical Applications

Learning Objectives

The objective of this webinar is to provide the participant with a concise overview of the basic aspects of radionuclide therapy and common clinical applications to:

1. Understand the major mechanisms of radionuclide therapy (RNT).
2. Have knowledge of radiation as well as of radionuclides used for RNT.
3. Know the cellular effects of RNT, such as self-irradiation, crossfire irradiation and Bystander effect.
4. Be able to describe common indications and aims of treatment related to disease free survival, overall survival, progression free survival and symptomatic relief.
5. Know the basis of imaging in therapy evaluation in RNT.
6. Have Knowledge of common side effects of RNT and to be able to describe differences between stochastic and deterministic effects.
7. Understand the basic principles of combined treatment and its value in the treatment of malignancy.
8. Know the contraindications, precautions and regulations of RNT.