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Towards Availability, Safety, and Efficacy of Targeted Radiopharmaceutical Therapy

Wednesday 11 June 2025 10:45 (30 minutes)

Radiopharmaceutical therapy has demonstrated encouraging clinical results in cancer treatment, which stimulated significant attention from the research community, clinicians, and the industry. The radiopharmaceutical therapy is expected to produce pointed effect on cancer lesions while avoiding toxicity to the healthy organs and tissues, which can result in better tolerability in comparison with standard-of-care treatments. To progress therapeutic radiopharmaceuticals from scientific curiosity to routine medicines, research and development is still required, including in large-scale production of useful radionuclides, optimization of targeting biological vectors, and understanding radiobiological effects and mechanisms of action for candidate drugs. This presentation will focus on (bio)medical aspects of nuclear sciences, and how new knowledge and tools can contribute to health outcomes.

Keyword-1

radiopharmaceutical therapy

Keyword-2

medical isotopes

Keyword-3

radiobiology

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