

Radioligand Therapy Academy



BACKGROUND

The RLT Academy project aims to launch a multidisciplinary and transnational blended education programme for healthcare professionals on the use of radioligand therapies in cancer care. Radioligand therapy (RLT) is an innovative approach to precision cancer treatment that delivers radiation directly to tumour cells or their microenvironment, regardless of where they are in the body, leaving healthy tissues unharmed.

OVERALL OBJECTIVE

The RLT Academy project will launch specialised training programmes on radioligand therapies for healthcare professionals in Europe and globally. The project will contribute to greater adoption of RLTs across Europe (and the world) by closing the capacity gap and allowing healthcare professionals to establish and expand RLT services.

FELLOWSHIPS

Multidisciplinary, transnational, structured education programme/training programme on the use of RLTs for interested healthcare professionals.

SHORT FELLOWSHIP

20 short-term intensive training – 2 weeks of duration

INCLUDES

- Multidisciplinary tumour boards
- Treatment planning
- Patient therapy and discharge
- Outpatient and inpatient centre visits
- Radiopharmacy visit
- Dosimetry
- Waste management

LONG FELLOWSHIP

20 short-term intensive training and 4 long-term fellowships

INCLUDES

- Visit, stay and active participation at a high-volume RLT Academy clinical training site for a period of 6 months
- PET and SPECT reading
- Treatment planning
- Dosimetry
- Medical physics
- Radiation safety
- Radiopharmacy
- Participation in activities promoted by the Nuclear Medicine, Radiopharmacy and Health Physics Units
- Congresses, classroom training experiences
- 360° overview of the centre's activities

KEY MILESTONES

PRESENT

Radioligand therapies in cancer: mapping the educational landscape in Europe
Valentina Bugani¹, Luca Battistelli, Maddalena Sansovini, Manuela Monti, Giovanni Paganelli, Ignasi Gich, Albert Flotats, Paola Anna Erba, Jean-Yves Blay, Christian la Fougere, Hendrik Van Poppel, Andreas Charalambous, Ken Herrmann, Alessandro Giordano, Tamas Gyorke, Christophe Deroose, Federica Matteucci, Ignasi Carrio.

Q3 2023

Finalization of the curriculum blocks. Beginning of short and long training fellowships on RLT Academy.

Q3 2023

Launch of the RLT Academy website.

Q4 2023

Kick-off drafting of Policy Recommendations in educational training for RLTs. The Launch will occur in July 2024 during an in-person meeting in Belgium.



SCIENTIFIC PAPER RESULTS

Bugani, V., Battistelli, L., Sansovini, M. et al. Radioligand therapies in cancer: mapping the educational landscape in Europe. Eur J Nucl Med Mol Imaging 50, 2692–2698 (2023).

AIM

Assess the existing gaps in Europe in multidisciplinary education for integration of radioligand therapy (RLT) into cancer care and to obtain detailed information on the current limitations and key contents relevant (systematic survey).



78% & 12% of medical societies indicated that training in RLT was very important and important, respectively.



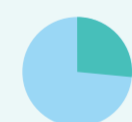
65% of medical societies indicated that national programs could be expanded.



88% of medical societies indicated that their specialty training program included RLT.



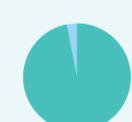
50% of consulted universities indicated partial or scarce presence of RLT contents.



26% of medical societies were satisfied with the existing structure of training in RLT.



44.4% of nursing organisations never include RLT contents in the education programmes.



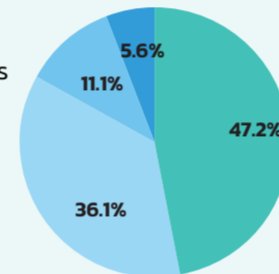
94% of medical societies indicated that the existing training is based on theory and hands-on experience.



67% of centers indicated high interest in expanding RLT contents.

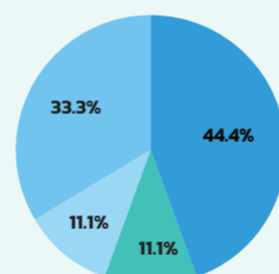
Interest in Expanding the Contents on Radioligand Therapies

- Very interested
- Interested
- Moderately interested
- Slightly interested

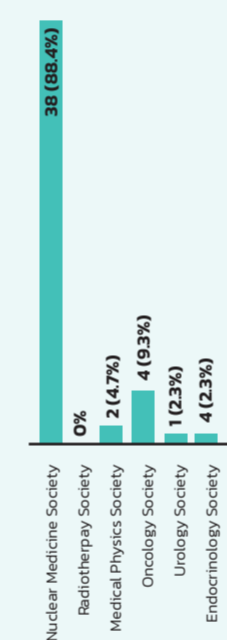


Inclusion of Radioligand Therapies in the Education of Nurses and/or Technologists

- Almost always
- Sometimes
- Occasionally
- Almost never



Type of Medical Organisations



CONCLUSION

Centers involved recognize the importance of the training and indicate a need for inclusion of additional clinical content, imaging analysis, and interpretation as well as extended hands-on training. A concerted effort to adapt current programs and a shift towards multidisciplinary training programs is necessary for proper education in RLT in Europe.

KEY OBJECTIVES



STATE-OF-THE-ART RESEARCH

- 1) Current training landscape on radioligand therapies
- 2) identifying the crucial gaps
- 3) assessing target groups' needs in terms of training.



DEVELOPMENT OF TRAINING CURRICULA

Blended format (online and physical), tailored to specific target groups.



VIRTUAL RLT ACADEMY

Interactive online courses, subscription to physical trainings and a dedicated knowledge repository (RLT Library), project information.



PHYSICAL TRAININGS

Taking place at specific institutions of the consortium (KU Leuven, Essen, Tübingen and Meldola). A physical training will vary in length and content depending on who it is offered to.



POLICY RECOMMENDATIONS ON RADIOLIGAND THERAPIES

Inform policymakers on actions needed to ensure patient access in Europe to Radioligand Therapies.

ORGANISATIONS

AUSTRIA

- European Association of Nuclear Medicine

BELGIUM

- KU Leuven

ITALY

- Policlinico Gemelli
- I.R.S.T. Meldola

THE NETHERLANDS

- European Association of Urology

GERMANY

- University of Duisburg-Essen
- Eberhard Karls University of Tübingen

FRANCE

- Centre Léon Bérard

SPAIN

- Hospital Sant Pau

HUNGARY

- Semmelweis University
- Andcode

The RLT Academy Consortium is composed of

11

ORGANISATIONS
from 9 countries, led by KU Leuven.



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