

REGIONAL WORKSHOP ON

Making a Compelling Case to Procure LINACs & Leveraging Existing Resources in the Region

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Tbilisi, Georgia



International
Cancer
Expert Corps



ORS
Office of Radiological Security
Protect • Remove • Reduce



Enhancing access to advanced radiotherapy technologies in the Republic of Moldova

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Treated patients in radiotherapy dept.

The most common location of cancer treated with radiotherapy	2021	2022	2023
Breast		463	482
Head & neck		362	451
Cervical		257	214
Colorectal		207	200
Prostate		161	178
Other		689	566
Total	1697	2139	2091

Human resources

Specialization	Existing No	Needs
Radio oncologists	16	+4
RTTs	12	+6
MPs	4	+2
Service engineers	2	+2
RPOs	2	

Training programs in RT

- Residential program: the new 5-year study program is ongoing.
- A new faculty for RTTs radiation technicians established since 2019 at Medical University (4 years of study).
- Some specialized trainings on new techniques IMRT/VMAT for RO and RTTs within MOL6011 and MOL6012 IAEA TC projects planned for 2024 and 2025.
- A young doctor will be trained in pediatric radiotherapy at the Princess Maxima Centre in Nederland.

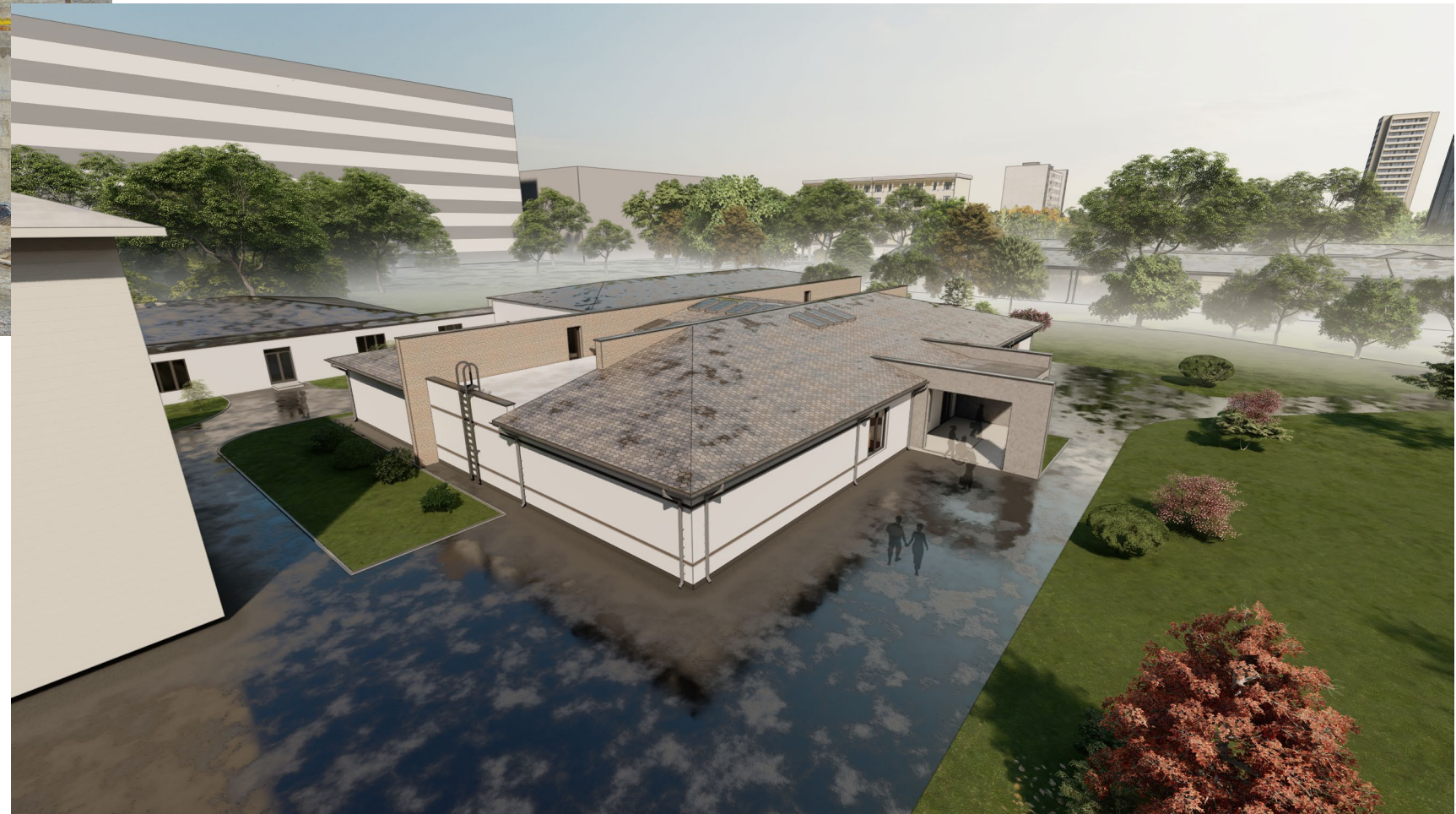
Cooperation with IAEA

Radio-diagnostics,
Radiotherapy, Human
resources development
are part of CPF



Cooperation with USA ORS and PNNL

**Bunker for
2 LINACs**



Cooperation with ICEC

Fields of cooperation

- Efficient consultancy on different aspects of cancer treatment methods.
- Consultancy on treatment protocols in radiotherapy and other fields.
- Development of training curricula for physicians, medical physics, technicians and other needed specialists.
- Selection of most appropriate equipment to better satisfy PMSI “IO”’s needs.
- Facilitates information exchange with other countries in the field of radiotherapy.
- Face to face and web meetings with “state-of-the-art” international experts.

Cooperation with Nederland Princess Maxima Centre *pediatric oncology*

Fields of cooperation

- Exchanges of paediatric oncology professionals for training and education.
- Developing treatment protocols including surgery, radiotherapy, chemotherapy and immunotherapy.
- Development of a patient registry and a trial and data center in PMSI “IO” to facilitate studies.
- Introduction of molecular and genomic diagnostic methods of childhood cancers.
- Referral of patients from PMSI “IO” to the PMC for complicated treatments and clinical studies that cannot be delivered in Moldova.

Further plans and needs

- Bunker for 2 LINACs to be commissioned by Nov.24
- 1 new LINAC to be installed in Feb.2025
- 1 more new LINAC to be purchased by 2026
- TERAGAM to be decommissioned
- Training of RO and RTTs in new techniques of radiotherapy IMRT/VMAT, stereotaxis.
- The purchase of new immobilization devices
- Replase CLINAC 2009
- Replase CT simulator, 2019

Thank you

