A Member State addressing radiotherapy safety with the support of the IAEA

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Malaysia
Malaysia Country Profile

- Multi-ethnic and multi-religious country
  - 60% Bumiputera, (Malays, Orang Asli and other indigenous peoples)
  - 20% Chinese
  - 6% Indians
- Official language: Bahasa Malaysia (Melayu)
- Official religion: Islam
- Population 33 million (2021)
- Capital city: Kuala Lumpur
- Federal Government Administrative Centre: Putrajaya

Two geographical regions separated by the South China Sea
Malaysia Strategic Plan

Ministry of Health Malaysia (MOH) Strategic Plan
Is the strategic planning of the MOH organization for the next five years to strengthen the existing health system as well as help the heads of programs and activities under the MOH implement their respective health plans.
Ten types of cancer detected among Malaysians in order of priority are breast, colorectal, lung, lymphoma, nasopharynx, leukemia, prostate gland, liver, cervix and ovary.
Since Malaysia became a member of the IAEA in 1969, it has actively participated in the IAEA technical co-operation programme (TC).

IAEA has been supporting Malaysia over the past years, in terms of expert services, provision of equipment and specialized training on cancer management programmes, helping the country to improve capabilities to fight the growing incidence of cancer.
IAEA Support

- IAEA RAS9096 Strengthening Radiation Safety Infrastructure (Project Cycle 2022-2025)
- IAEA MAL2018 Strengthening Legal and Infrastructure for Radiation Safety in Malaysia (Project Cycle: 2020-2021)

Since 1989, development of the basic facilities and infrastructure required for implementation of TC-supported projects has been mainly funded by the Government of Malaysia.

Training
- National Project
- Regional Project
- Interregional Project

Expert Services
Expert assignments under IAEA technical co-operation projects have helped Malaysia build up its own levels of expertise

Equipment

IAEA/WHO TLD
Postal Dose Quality Audit Service
Radiotherapy Safety in Malaysia

IAEA SAFRON (Safety in Radiation Oncology) Incident Learning System
- Voluntary for departmental practices

Guide on investigation, notification and reporting of accidental medical exposure is specified in Malaysia Atomic Energy Licensing (Basic Safety Radiation Protection) Regulations 2010

RAS6070 Supporting Quality Assurance Team for Radiation Oncology (QUATRO) Training (2012-2013)
Implementation of Radiation Safety Culture in Healthcare Settings - Malaysia

- IAEA QUATRO
- Collaboration with Accreditation Body (Malaysian Society for Quality in Health, MSQH)
- Internal Audit
- National Implementation
- Safety Culture in Radiotherapy

IAEA 10 Safety Culture Trait
• Perspective on safety and quality in radiotherapy
• What does the IAEA have to offer for overall radiotherapy safety
• Characteristics of an Incident Learning System (ILS): SAFRON
• Local experience of a QUATRO audit
• QA in a radiotherapy department: New paradigm
References

- Ministry of Health Malaysia National Strategic Plan for Cancer Control Programme (2021-2025)
- Action Plan Towards the Elimination of Cervical Cancer In Malaysia (2021-2030)
- IAEA RPOP
- https://radia.moh.gov.my/project/new/radia/