Radiation Therapy Projects in IAEA/RCA



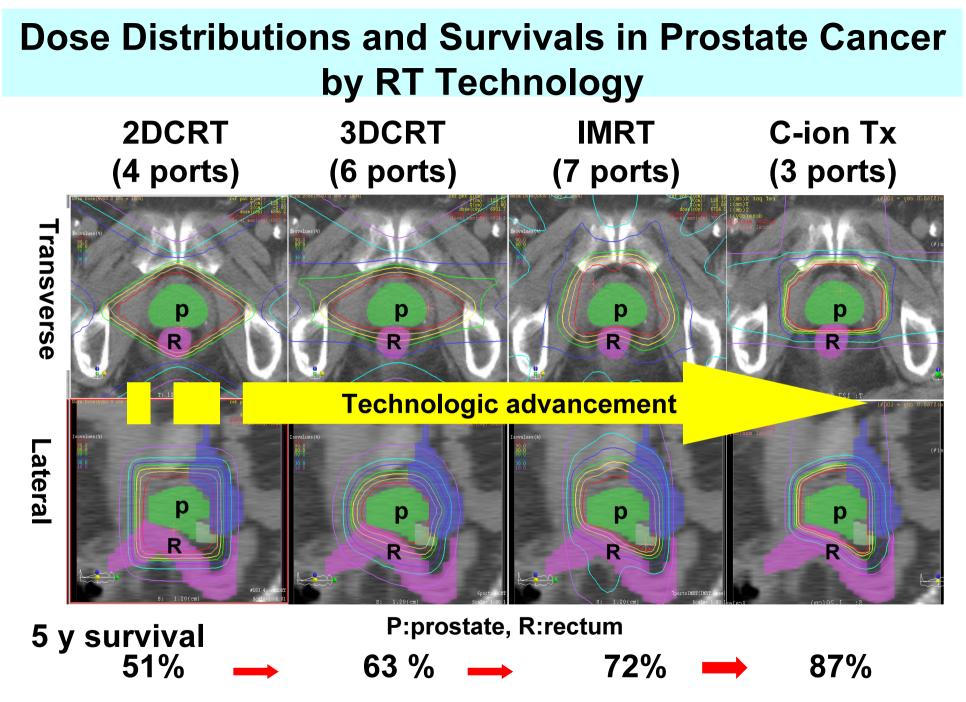
- Inter-governmental agreement established in 1972
- <u>17countries in Asia and the Pacific region</u>
- <u>Purpose</u>: to promote regional cooperation in the peaceful utilization of nuclear technology for national development in the region



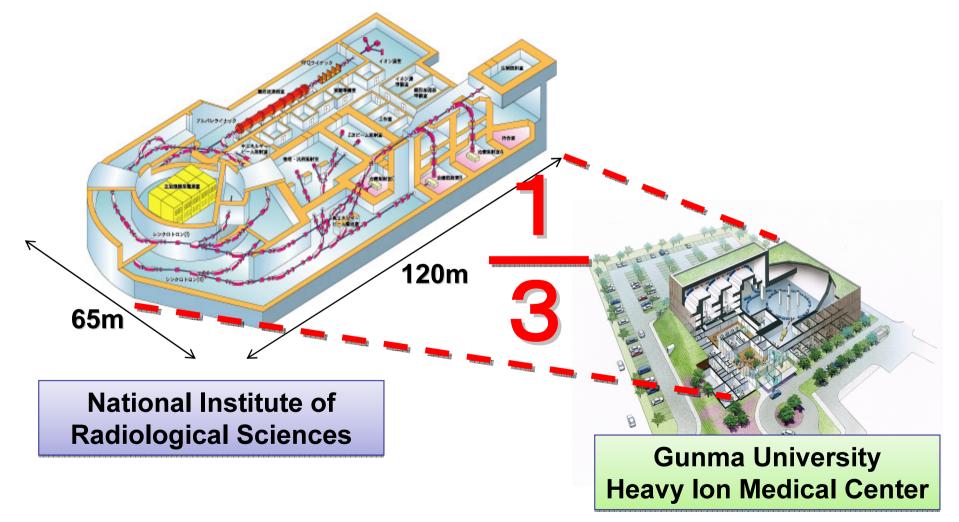
- Australia, Bangladesh, China, India
- Indonesia , Japan, Korea, Malaysia, Mongolia
- Myanmar, New Zealand, Pakistan, Philippines
- Singapore, Sri Lanka, Thailand, Vietnam



RT in IAEA/RCA T.Nakano,



Gunma University: Down-Sizing the Carbon Ion Therapy Facility



The IAEA works to improve outcomes for cancer patients in developing countries

ACCESS TO RADIOTHERAPY

Radiotherapy programmes offered by the IAEA are an essential part of the treatment of cancer

Programme of

Action for Cancer Therapy **PACT**

IAEA

There is a shortfall of over 5000 radiotherapy machines in developing countries

IAEA's **PACT** builds partnerships to fight the global cancer epidemic

RT in IAEA/RCA T.Nakano,

1-4.9 million

5–9.9 million

Availability of treatment

below 500 000

500 000-999 999

Number of people served by a single radiotherapy centre (latest available data 1995–2003)

10-19.9 million

20 million and above

WISHALL ISLANDS

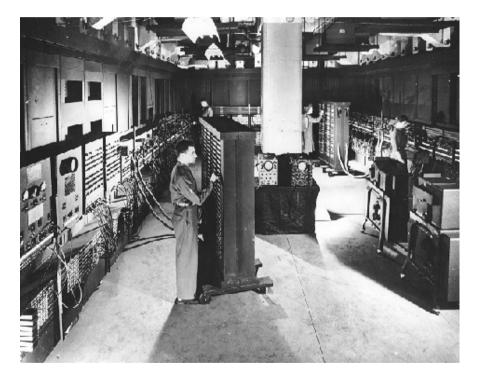
no centre

no data

Recent RCA Projects relating the Issue of Cancer Control in the Region

- RAS/6/040: Improvement in Quality of Brachytherapy for Frequent Cancers in the Region
 - 2005-2008, 130 professionals were trained
- RAS/6/048: Application of 3D Radiotherapy for Predominant Cancers in the RCA region
 - 2007-2009, 71 professionals were trained more by National Training Courses
- RAS/6/053: Improving Image Based Radiation Therapy for Common Cancers in the RCA Region
 - 2010-2014 (On-going), Just started
- RAS/6/042: Tumour Imaging Using Radioisotopes
 - 2005-2007, 88 professionals trained in the RTCs, and at least 3340 by National Training Courses.
- RAS/6/038: Strengthening Medical Physics through Education and Training
 - 2003-2012 (On-going), training modules developed

The World's First "Computer" (1946)







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summary

- The radiotherapy technology will continue to improve.
- It is important to continue training personnel as well as providing infrastructure for developing countries.
- The radiation therapy is the most economical and effective solution of cancer problems in developing countries.
- IAEA/RCA will continue trying its best to contribute significantly for fighting against cancer





Thank you for your attention!

