Supporting Countries in the Region in Radiation Medicine

The Experience of the Republic of Korea

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Korea Institute of Radiological & Medical Sciences
Cancer Statistics in Asia (2020)

Incidence
- Asia 49.3%
- 19.3 million new cases

Mortality
- Asia 58.3%
- 9.9 million deaths

Regional Education & Training Projects

• 22 Member States of Asia & the Pacific

• IAEA/RCA Regional Projects Led by KIRAMS

<table>
<thead>
<tr>
<th>Project Code</th>
<th>Project Title</th>
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<tbody>
<tr>
<td>RAS 6065</td>
<td>Application of Stereotactic Body Radiation Therapy (SBRT)</td>
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<td>(2012-2015)</td>
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<td>RAS 6076</td>
<td>CT cancer staging process</td>
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<td>(2014-2016)</td>
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<td>RAS 6085</td>
<td>SBRT for frequent cancers</td>
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<td>(2016-2019)</td>
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<tr>
<td>RAS 6093</td>
<td>Imaging modalities in radiology &amp; nuclear medicine</td>
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<td>(2019-2022)</td>
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<tr>
<td>RAS 6097</td>
<td>Production of cyclotron-based radiopharmaceuticals</td>
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<td>(2020-2023)</td>
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<tr>
<td>RAS 6100</td>
<td>Application of hypofractionated radiotherapy</td>
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<td>(2022-2025)</td>
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“After this training course, I will come back to my hospital and I will share what I learned about the high techniques here and I will train medical physicists and radiotherapists to treat the patients more effectively in my hospital.”

Dr. Xuan Tran
Radiation Oncologist, Viet Nam

IAEA PACT-KIRAMS Training Course
(2017.7.14-2017.8.23)
Regional Training Hubs for Sustainable Network

CRP, Peking University Cancer Hospital, Beijing

ROK, KIRAMS, Seoul

IND, Tata Memorial Hospital, Mumbai

JPN, Tokyo Metropolitan Komagome Hospital, Tokyo

THA, Ramathibodi Hospital, Bangkok

SIN, National Cancer Centre, Singapore

AUL, Peter MacCallum Cancer Centre, Melbourne
Sri Lanka – Implementation of Stereotactic Body Radiotherapy (SBRT)

- PACT Fellowship Training at KIRAMS (2013)


- First SBRT treatment, National Cancer Institute (2015)
Mongolia – Installation of Linear Accelerators

- Expert Mission to National Cancer Center, Beam commissioning & IMRT planning training (2019)
- Expert Mission, IMRT commissioning (2022)
Mongolia – Establishment of the Nuclear Medicine Department

- Design of the Cyclotron & PET/CT Dept.
- Technical Education Program at KIRAMS (2017-2019, 2021~)

- Mongolia Nuclear Diagnosis Treatment Center (2019)
THANK YOU!