



Supporting Countries in the Region in Radiation Medicine

The Experience of the Republic of
Korea

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2022

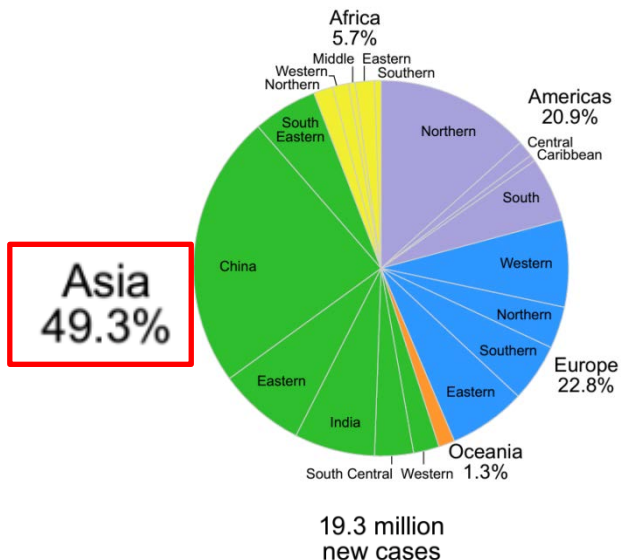


1970s

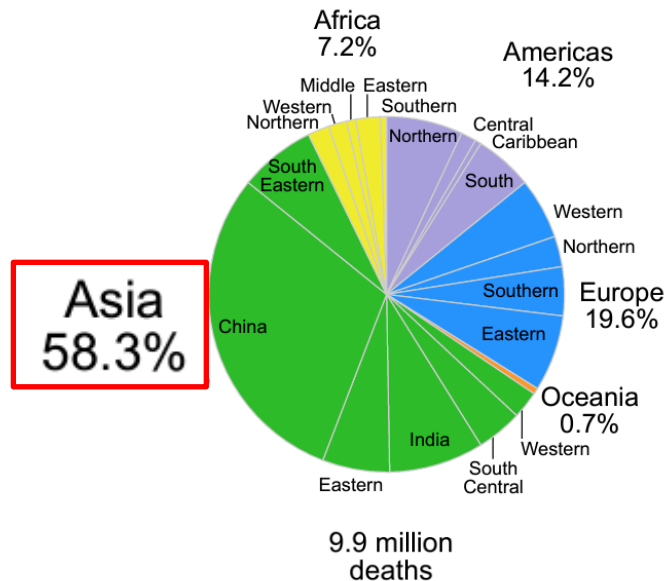


2020s

Cancer Statistics in Asia (2020)



Incidence



Mortality

Sung H, Ferlay J, Siegel RL, et. al. *Global Cancer Statistics 2020: GLOBOCAN Estimates of Incidence and Mortality Worldwide for 36 Cancers in 185 Countries*. CA Cancer J Clin. 2021 May;71(3):209-249.

Regional Education & Training Projects

- 22 Member States of Asia & the Pacific



- IAEA/RCA Regional Projects Led by KIRAMS

RAS 6065 (2012-2015)	Application of Stereotactic Body Radiation Therapy (SBRT)
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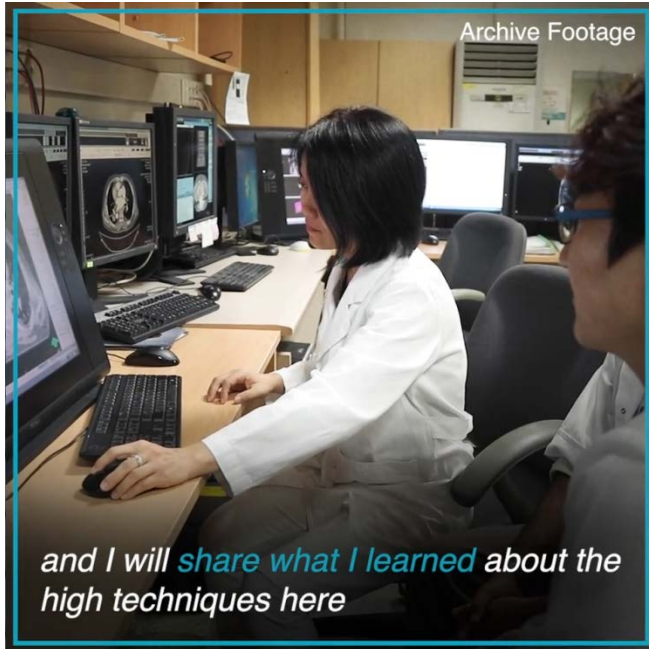
RAS 6076 (2014-2016)	CT cancer staging process
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RAS 6085 (2016-2019)	SBRT for frequent cancers
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RAS 6093 (2019-2022)	Imaging modalities in radiology & nuclear medicine
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RAS 6097 (2020-2023)	Production of cyclotron-based radiopharmaceuticals
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RAS 6100 (2022-2025)	Application of hypofractionated radiotherapy
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Screenshot from IAEA
'200709 Cancer Care, KIRAMS'

“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



THA, Ramathibodi
Hospital, Bangkok



JPN, Tokyo Metropolitan
Komagome Hospital, Tokyo



AUL, Peter MacCallum
Cancer Centre, Melbourne

SIN, National Cancer
Centre, Singapore



Sri Lanka – Implementation of Stereotactic Body Radiotherapy (SBRT)

- PACT Fellowship Training at KIRAMS (2013)



- PACT Expert Mission to Sri Lanka (2014)



- First SBRT treatment, National Cancer Institute (2015)



Mongolia – Installation of Linear Accelerators

- Expert Mission to National Cancer Center, Beam commissioning & IMRT planning training (2019)

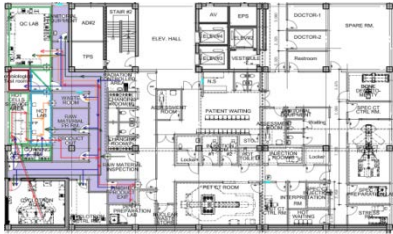


- Expert Mission, IMRT commissioning (2022)



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!