### 3 Tier Tele-Networking

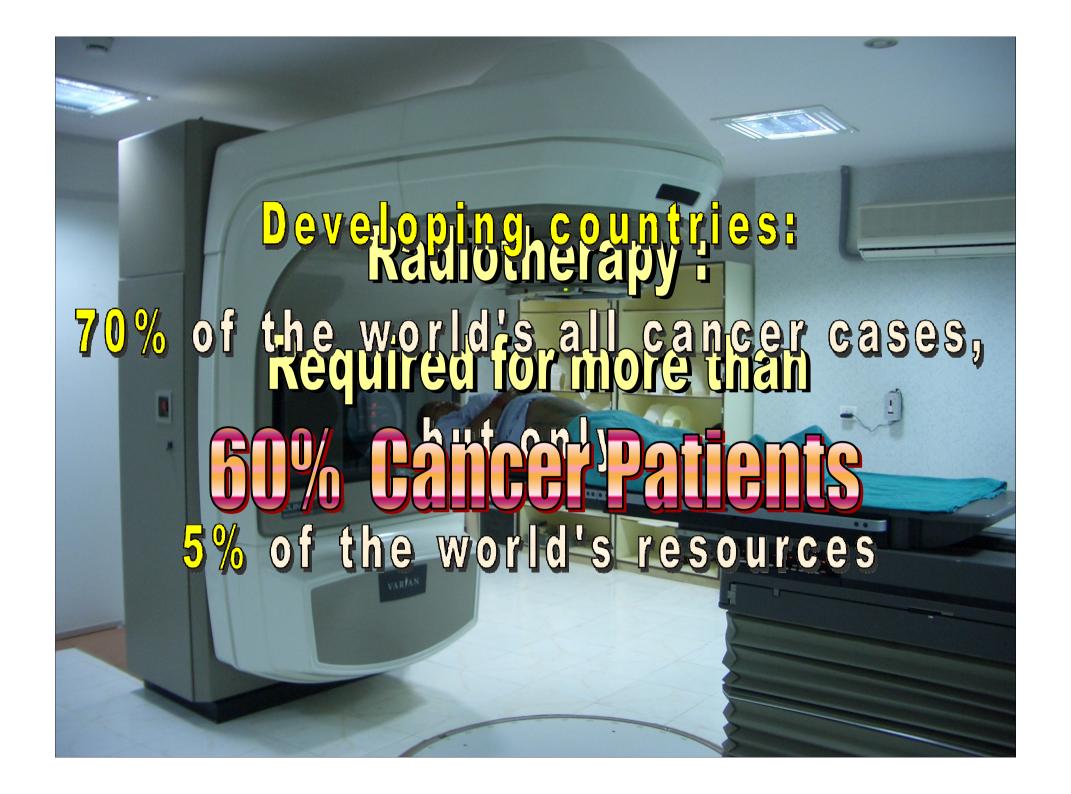
for

# Comprehensive Radiotherapy care

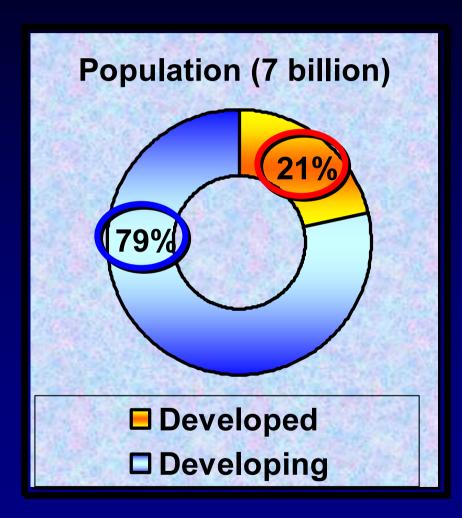
in Developing Countries

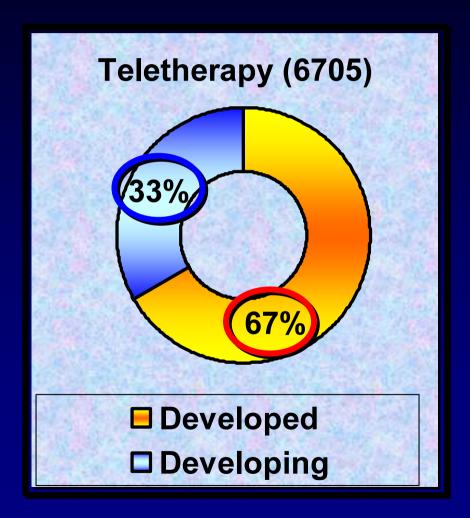
Prof. N. R. Datta,

Senior Consultant and Coordinator,
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Rajiv Gandhi Cancer Institute & Research Centre, Delhi,
India



# Radiotherapy Facilities Developed and Developing world





(IARC, World Cancer Report 2003)

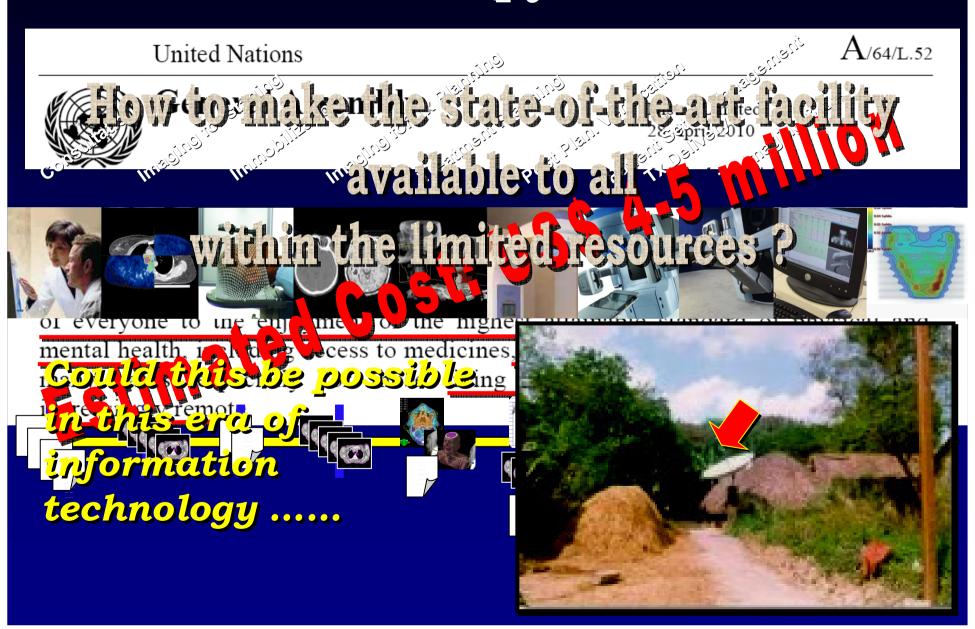
43% (55 / 128)

US \$ 2.5 billion needed for poor patients don \$ 100 m for machines

Radiotherapy facilities

([AEACPtessrheleasee26thpune22003])

# Radiotherapy Process



## A 3-tier system for radiotherapy Tele-network

- Create new radiotherapy facilities with basic teletherapy unit based on the population density (Primary radiotherapy centres)
- Augment the existing radiotherapy centres (Secondary radiotherapy centres)
- Identify the centre with advance treatment facilities, teaching, training and research (Tertiary radiotherapy centre)

# 3 Tier tele working Radio Contres



#### Prima Centre

- Single Trapy facility
- Responsible for early detection
- Preventive oncology at grass root level







#### **Secondary Radiotherapy Centre**

Teletherapy, Brachytherapy,Simulator and Treatment planning





# Tertiary Radiotherapy Centre State of art referral centre and Capacity building



## Expected outcome

- Treatment facility closer to their home
- Early detection and screening effective
- Preventive oncology at grass root level
- Capacity building without displacement
- Economically viable and cost effective
- Provides access to state-of-the-art technology of radiotherapy to all
- Conduct Regional multi-centric trials

"In today's world, each and every person will be touched by cancer either as a patient, a family member or a friend. If rising global trends are to be reversed, then present knowledge must be put into effect on a wider scale."

-Dr. John R. Sufferin, Former UICC President

