



IAEA

International Atomic Energy Agency

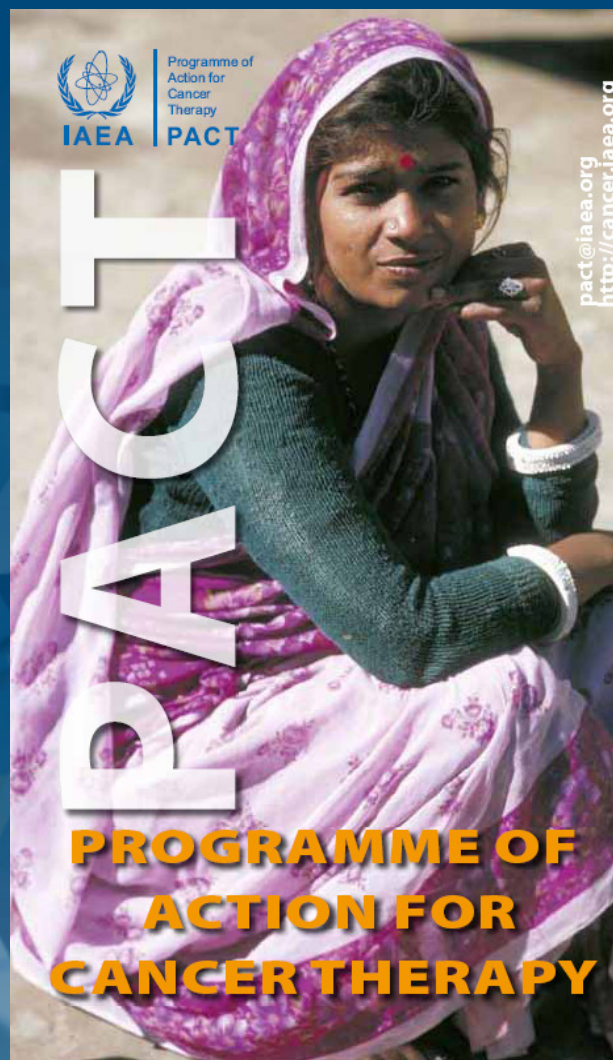
Atoms for Peace

INTERNATIONAL ATOMIC ENERGY AGENCY

Dr. Luis Santini, Brazil
Scientific Forum on Cancer in Developing Countries

Vienna
21-22 September 2010

BRINGING PARTNERS TOGETHER



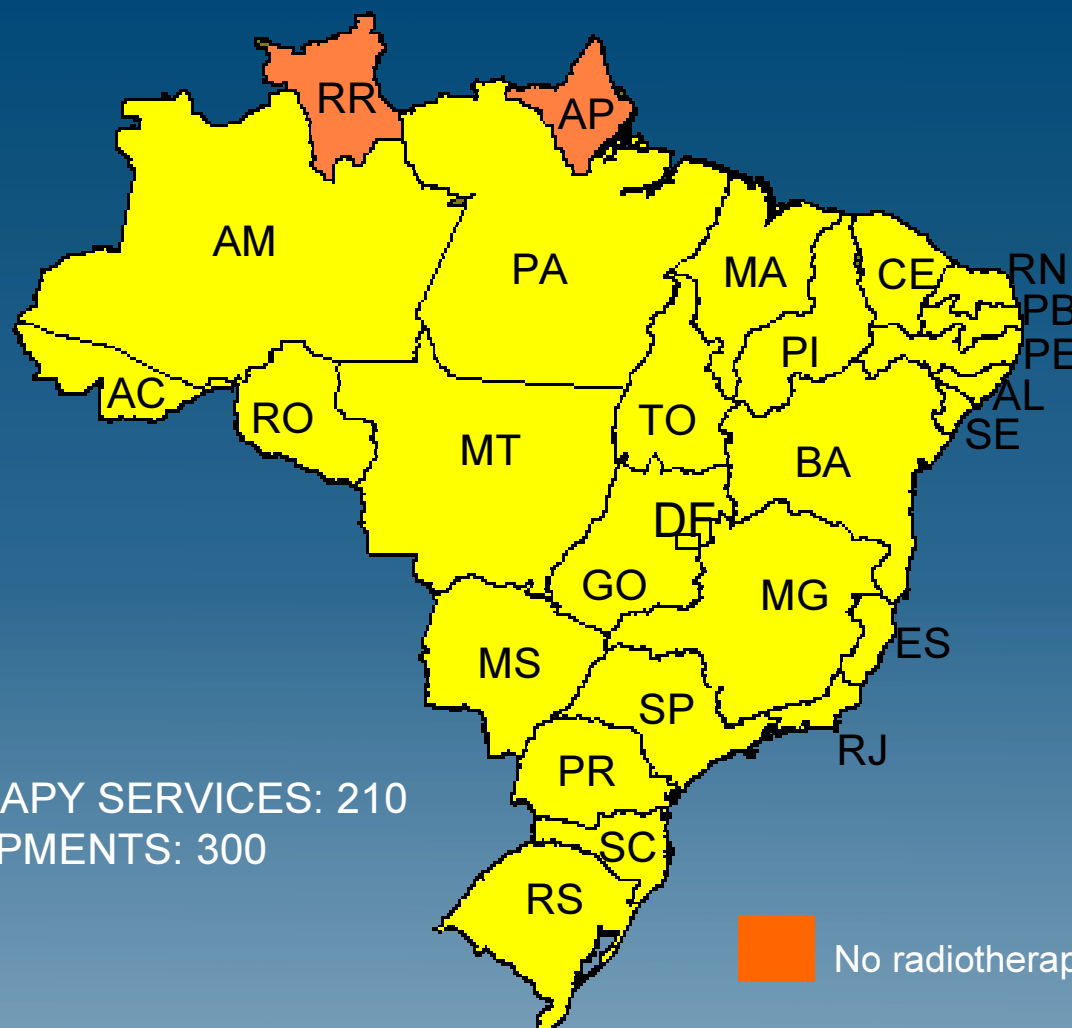
PACT works with key public and private partners to fight cancer

American Cancer Society (USA)
Axios International (USA/France)
Best Medical International Inc. (USA/Canada)
C-Change (USA)
State Office for Nuclear Safety (Czech Republic)
International Agency for Research on Cancer
Institut National du Cancer (France)
International Network for Cancer Treatment
and Research
International Union Against Cancer
MDS Nordion (Canada)
mondofragilis network (France)
National Cancer Institute of Brazil
National Cancer Institute of USA
National Foundation for Cancer Research (USA)
Open Society Institute
PATH (Program for Appropriate Technology
in Health) (USA)
Tata Memorial Centre (India)
University of Oxford Department of
Clinical Pharmacology (UK)
World Health Organization
(Headquarters and the six Regional Offices)

<http://cancer.iaea.org>

NATIONAL RADIOTHERAPY QUALITY ASSURANCE PROGRAM

- BRAZIL IS THE WORLD'S 5TH LARGEST COUNTRY BOTH IN LAND SIZE AND POPULATION.
- 190 MILLION INHABITANTS (1/3 OF LATIN AMERICA POPULATION)



RADIOTHERAPY SERVICES: 210
EQUIPMENTS: 300

 No radiotherapy

ON SITE AUDITS in Brazil and Latin America

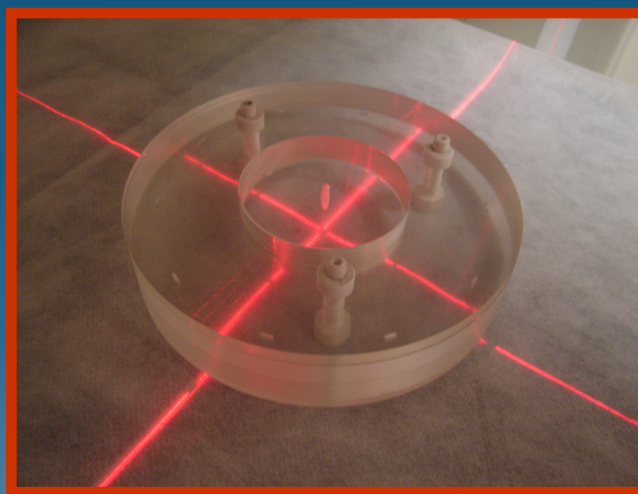


RADIO THERAPHY POSTAL SYSTEMS for

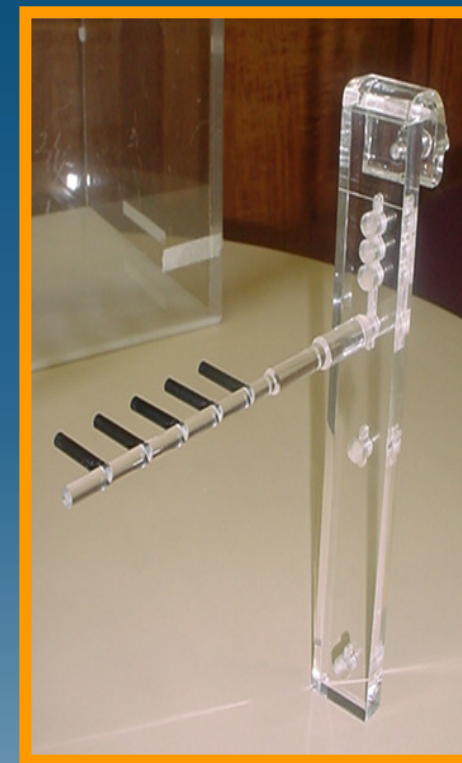
Electron
Beams



Brachytherapy
(HDR)



Photon
Beams



LATIN AMERICA RADIOTHERAPY QUALITY ASSURANCE PROGRAM

Postal Audits In 12 countries

RADIOTHERAPY SERVICES: 59
EQUIPMENTS: 90



TECNICAL MATERIAL AVAILABLE

ON SITE COURSES -- >

1º Curso de Atualização em Dosimetria em Radioterapia

25 a 27 de outubro de 2007
LOCAL: Natal-RN

20 VAGAS
CARGA HORÁRIA: 20 h

Inscrições: 1 a 16 de setembro de 2007

Informações: (21) 3970-7812 e www.inca.gov.br/pqrt

Curso a distancia Braquiterapia de Alta Tasa de Dosis para Físicos

Fundamentos, Calibración y Control de Calidad

INCA

Curso de Atualização em Controle de Qualidade e Dosimetria em Teletterapia e Braquiterapia

27 a 29 de novembro de 2008
LOCAL: CEPON / Florianópolis-SC

20 VAGAS
CARGA HORÁRIA: 24 h

Inscrições: 1 a 10 de outubro de 2008

Informações: (21) 3970-7812 e www.inca.gov.br/pqrt

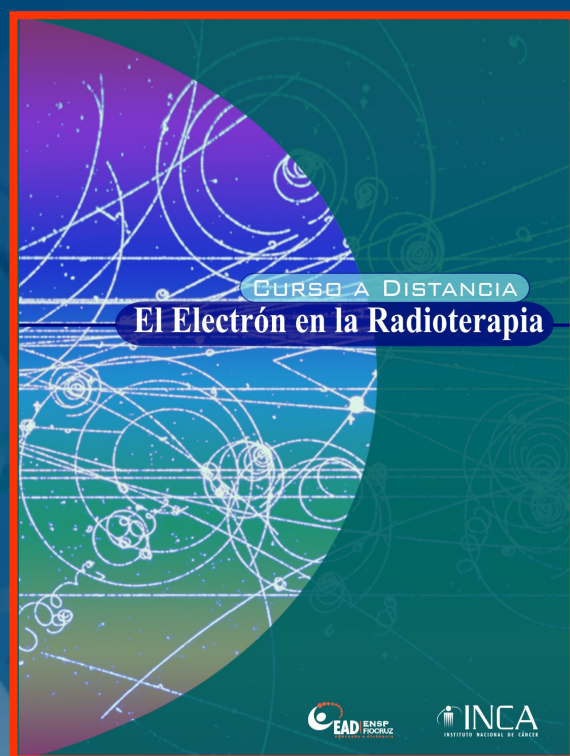
CURSO A DISTANCIA El Electrón en la Radioterapia

INCA

< -- DISTANCE LEARNING COURSES

LATIN AMERICA PARTICIPANTS

Course: “El Electrón en la Radioterapia”



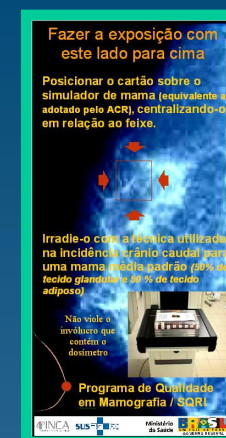
ARGENTINA
CHILE
MÉXICO
PARAGUAY
PANAMA
PERU
REPUBLICA DOMINICANA
URUGUAY
VENEZUELA

“SPANISH VERSION”
DISTANCE LEARNING
COURSES

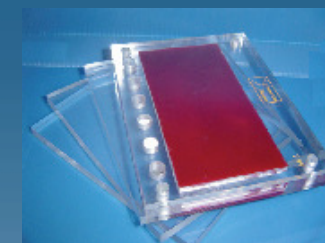
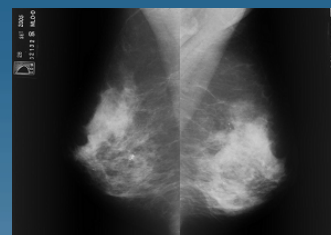
40
PARTICIPANTS

NATIONAL MAMMOGRAPHY QUALITY ASSURANCE PROGRAM evaluates

1) RADIATION DOSE (postal system)



2) TECHNICAL QUALITY OF THE IMAGE

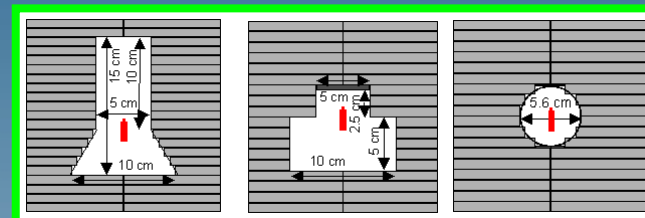
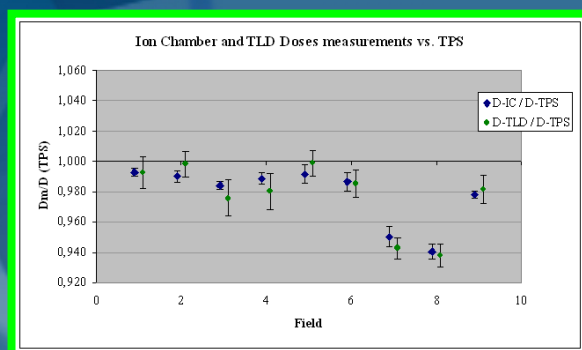
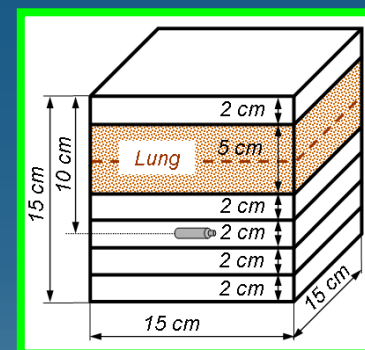
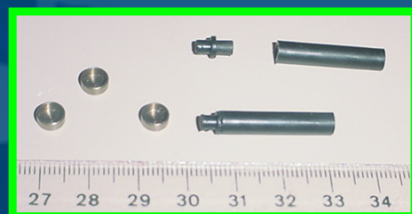


3) QUALITY OF THE DIAGNOSIS



RESEARCH

Development of Quality Audits for Radiotherapy Dosimetry for Complex Treatment Techniques (IAEA – CRP- BRA E2.40.16) (2010-2012)



INSTITUTO NACIONAL DE CANCER - BRASIL

. Luiz Antonio Santini

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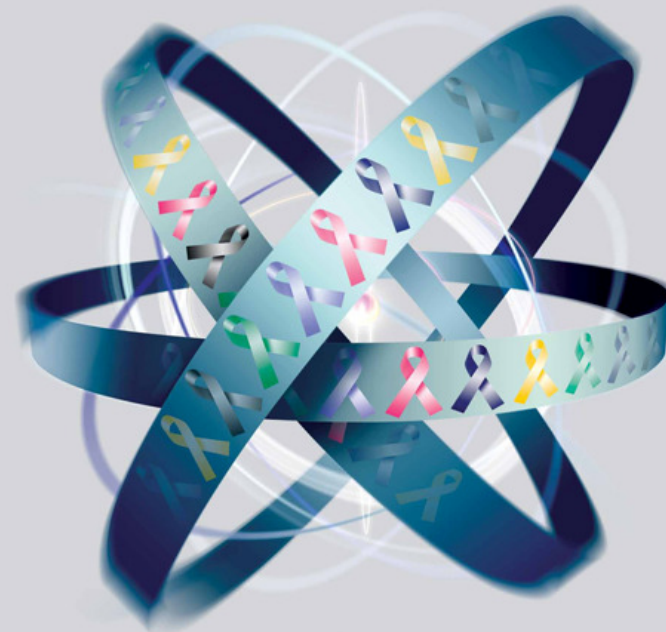
Thank you!

International Atomic Energy Agency Scientific Forum

CANCER

in Developing Countries
Facing the Challenge

21–22 September 2010, Vienna, Austria



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International Atomic Energy Agency
Atoms for Peace