

International Atomic Energy Agency

World Cancer Day

THE IMPACT OF THE IAEA-SUPPORTED MASTER'S DEGREE IN ADVANCED RADIOTHERAPY

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OBJECTIVE

- The technological capabilities and knowledge available for the treatment of cancer have advanced rapidly in recent years.
- In Latin America there has not been an academic program that systematically trains radiation oncologists in advanced techniques.
- The objective of the Master's program is to provide radiation oncologists of the ARCAL member states with training in the use of these technologies.
- Update the theoretical knowledge and improve skills and professional competence of the students.



PROGRAM

- 13 students
- 12 month study plan
- Theoretical-practical modality
- Tutorial and self-study training
- Participation in multidisciplinary committees
- Preparation of about 10 lectures per student
- 10 Workshops with experts
- Periodic and final exams
- Thesis approval
- VI ALATRO participation





WORKSHOPS

- Volumetric Radiotherapy
- Tomotherapy
- Radiosurgery
- Stereotactic Body Radiotherapy
- High Dose Brachytherapy
- Intraoperative Radiotherapy
- Biostatistics and Research Methodology
- Bioethics
- Management and Administration of RT
- Radioprotection





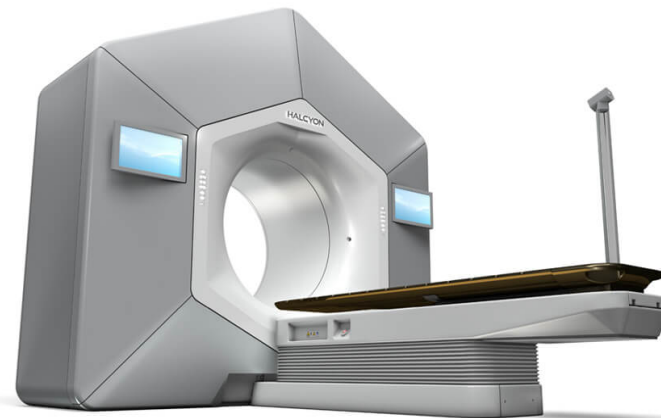
PERSONAL EXPERIENCE

- Privilege in my career.
- Update in technology and comprehensive oncological training.
- Change of paradigms and incorporation of new tools for therapeutic decisions when facing the oncological patient:
 - From the diagnosis to adequate follow-up of toxicity and results.
 - Choice of the appropriate technology according to the current standards
 - Planning according to international guidelines.
 - Delivery of the treatments with maximum precision and adapting quality control of the machine and the individual patient.
 - Incorporation of knowledge that allows to organize an advanced radiotherapy service.



IMPACT ON MY WORK AND IN MY COUNTRY

- Six months after my return I have already started the transmission of what I learned to my colleagues.
- Initial leveling process both in my institution and in others belonging to a national network.
- Plans for this year:
 - Finish the leveling process.
 - Complete institutional treatment protocols.
 - Start hypofractionated radiotherapy treatments.
 - Allow greater precision and tumoral control.
 - Less toxicity and total treatment time.



THAK YOU FOR YOUR ATTENTION

