COOPERATION AGREEMENT

ORGANIZACIÓN MÉDICA COLEGIAL (OMC)

&

INTERNATIONAL ATOMIC ENERGY AGENCY (OIEA)
AIMS:

• To improve the knowledge of medical specialists in nuclear medicine and methodological aspects and clinical applications.

• To promote the benefits of nuclear technology, to stimulate the progress and development of it in areas such as health.

• To disseminate the work of IAEA and the benefits of nuclear technology to the public with the aim of “awaken the interest of young generations”.

• Both parties are committed to cooperate in training activities for radiation medicine and nutrition practitioners in the IAEA Member States, especially in Latin America and the Caribbean.
COURSE
DIAGNOSIS AND STRATIFICATION OF THE RISK OF CORONARY DISEASE WITH NUCLEAR CARDIOLOGY TECHNIQUES

STARTS: 2017
LENGTH: 60 hours, online.
Course on diagnosis and stratification of coronary heart disease risk using nuclear cardiology techniques

About thirty students including cardiologists, specialists in nuclear medicine, physicists and radiologists, from 18 countries, most of Latin America and the Caribbean

13-19 February Madrid
PROJECT & AIMS:

Project: Improvement of the care for patients with coronary artery disease with nuclear cardiology.

Aims:

- Aims of the project: To improve the care of patients with coronary heart disease through nuclear cardiology in Latin America and the Caribbean.

- Aims of the meeting:

To strengthen the practice of nuclear cardiology.

To get properly trained professionals who can disseminate the knowledge acquired and apply it in their centers.
COURSE
PALLIATIVE CARE IN RADIOTHERAPIC ONCOLOGY

START: 2017
LENGTH: 40 hours, online.
PALLIATIVE CARE IN RADIOTHERAPIC ONCOLOGY

UNIT 1:
• Diagnosis of pathology
• Principles of palliative treatment

UNIT 2:
• Bone Metastases
• Brain Metastases

UNIT 3:
• Compressions
• Bleeds

UNIT 4:
• Support Treatment
• End-of-life treatment
• Principles for coordinating palliative care
COURSE
NUCLEAR CARDIOLOGY
BASIC ASPECTS

LENGTH: 60 hours, online
NUCLEAR CARDIOLOGY
BASIC ASPECTS

UNIT 1: Radiophysics and radiobiology
UNIT 2: Instrumentation: SPECT-CT & PET-CT/RMN
UNIT 3: Radiopharmaceuticals, dosimetry and radiation exposure
UNIT 4: Management, admission, access control, information and patient preparation
UNIT 5: Cardiological tests with procedures of physical and pharmacological stress
UNIT 6: Processing and interpretation of planar images, SPECT and Gated-SPECT
UNIT 7: Clinical aspects
COURSE
RADIOLOGICAL PROTECTION
FOR THE USE OF IONIZING RADIATIONS IN MEDICINE

START: 2017
LENGTH: 30 hours, online
UNIT 1:
1. Production and interaction of ionizing radiation (IR) with the matter
2. Radioactive materials in medicine and types of disintegration
3. Magnitudes and radiological units
4. Physical characteristics of X-ray equipment and radioactive sources
5. Fundamentals of radiation detection and imaging devices

UNIT 2:
7. Radiation protection. General principles and reasons
8. Quality assurance
9. International regulations and recommendations on the use of IR in medicine
10. Operational radiological protection
11. Radiological protection of patients
12. Radiological protection of exposed professionals

UNIT 3:
13. Appropriate use in diagnostic imaging in radiodiagnosis
14. Appropriate use in diagnostic imaging in nuclear medicine
15. Case studies
COURSE

PROGRESS IN NEUROIMAGING

START: 19 December 2016
LENGTH: 60 hours, online
NEUROIMAGING PROGRESS COURSE

TOPIC 1: Perfusion techniques
TOPIC 2: Techniques of diffusion
TOPIC 3: Tractography
TOPIC 4: RMf: Basic Principles
TOPIC 5: Spectroscopy
TOPIC 6: PET

TOPIC 7: Brain Tumors
TOPIC 8: Epilepsy
TOPIC 9: Dementia
TOPIC 10: Vascular
TOPIC 11: Inflammatory pathology
FACE-TO-FACE COURSE
MANAGEMENT OF MULTIDISCIPLINARY TEAMS
for the management and treatment of cancer
(Panama)
MANAGEMENT OF MULTIDISCIPLINARY TEAMS
Program not available

Dr Romero (Cuba): Coordinator
Dr McLaughlin (Panama): Support to the project
Ms Ciurana (IAEA): Registrations /Administration
Dr Lozano (OMC): Proposal of experts/teachers
OTHER POSSIBLE COURSES IN COLLABORATION WITH IAEA
Course
TRAINING FOR RADIOLOGY, RADIOTHERAPY AND NUCLEAR MEDICINE TECHNITIANS AND TECHNOLOGISTS

Course
UPDATES IN MEDICAL PHYSICS

Course
EFFICIENCY AND SAFETY OF DIAGNOSIS IMAGING IN PEDIATRICS
DNA-ProKids

This program has allowed 800 family gatherings in more than 17 countries.

The goal is to use the technologies of human genetic identification (DNA analysis) to identify missing children. DNA analyzes are performed to create two independent databases:

1.- Children disappeared under protection (orphanages, NGOs, other institutions) from unknown families,
2.- Relatives of missing children: parents, grandparents, etc. who have reported the disappearance of a child in their charge.

DNA-ProOrgan

The goal of DNA-ProKids is to fight against the illicit trafficking of organs in the world, thanks to the identification of the donor and the origin of the organ, also through DNA.
GRACIAS POR SU ATENCIÓN!

THANK YOU FOR YOUR ATTENTION!

VIELEN DANK FÜR IHRE AUFMERKSAMKEIT!