

## Overview of the Periodic Residency Program for Physicists Working in the Field of Radiation Oncology:

Following the wars that have affected our country Iraq in recent years and the contamination of Iraq's environment with nuclear materials, there has been a noticeable increase in the number of cancer patients in all provinces of Iraq. Thus, there arose a crucial need to establish the Wareth International Institution for Cancer, a branch of the Health and Medical Education Authority affiliated with the Holy Shrine of Imam Hussein, under the direct supervision of the religious authority, His Eminence Sheikh Abdul-Mahdi Al-Karbalai. The institution is led by Dr. Haider Hamza Al-Abbadi. Recognizing the significant role of medical physicists in the field of cancer treatment, it became imperative to establish international standards for professionals working in radiation therapy to ensure the best service for cancer patients.

Collaboration was initiated with the Iraqi Medical Physics Society (IMPS), headed by Dr. Mustafa Salih Al-Mousawi, to develop a curriculum for training professionals in this field. After extensive study and consideration, the program of the International Atomic Energy Agency (IAEA) was adopted to establish the first residency program for physicists working in radiation oncology for a duration of two years, aimed at equipping them with the necessary skills to operate various radiation therapy devices. Additionally, a rehabilitation center was established to prepare candidates for the International Medical Physics Certification Board (IMPCB).

The announcement of this program was made at the First Academic Conference on Medical Physics on November 6, 2021.



**6<sup>th</sup> November**

المؤتمر الأكاديمي الدولي للفيزياء الطبية،  
الجامعة المستنصرية - كلية الطب

**ACADEMIC INTERNATIONAL  
Medical Physics Conference**  
(AIMPC 2021)

- Medical Physics • Clinical Sciences • Physics
- Pathology • Environmental • Biology • Biochemistry

MUSTANSIRIYAH UNIVERSITY , COLLEGE OF MEDICINE

To ensure international accreditation for the institution's Residency Program for Medical Physicists working in the field of radiation oncology, an agreement was reached with the International Organization for Medical Physics (IOMP). Over the course of a full year, all required documentation and forms were submitted through the Secretary of the Iraqi Medical Physics Society (IMPS), Dr. Nabaa Mohammed Ali. An evaluative visit was conducted by the International Accreditation Committee of the organization on November 14, 2023, resulting in international recognition effective December 1, 2023. Periodic follow-ups by the organization will ensue for monitoring purposes.

Currently, the Wareth International Institution is the sole entity in Iraq holding international accreditation for its Residency Program for Medical Physicists working in radiation oncology and its rehabilitation center for the International Medical Physics Certification Board examination in the same specialization.







