



From\ Iraqi Medical Physics Society (IMPS)

International Day of Medical Physics (IDMP) Celebration 2022

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The Iraqi medical physics society (IMPS) presented by Dr. Mustafa Al-Musawi (The president of IMPS) in corporation with Al-Warith Cancer institution presented by Dr. Sattar Jabbar (The Head of the Authority of Health and Medical Education) and Dr. Haider Hamza Al-Abedi (CEO) organized the international day of medical physics celebration in Al-Zahraa University for women, Kabbala, Iraq. The sponsors of this celebration were mostly (90%) Al-Warith cancer institution and the self-funding of Dr. Mustafa Al-Musawi (10%). The celebration contains two parts:

- The first part of the ceremony contains a speech by the president of the Iraqi medical physics society (IMPS), Dr. Mustafa Al-Musawi, followed by the speech of the president of Al-Zahraa university, Dr. Zainab Al-Sultani on behalf of the Authority of the Al-Warith Cancer institution and Health and Medical Education belongs to the Immam Hussain Holy Shrine. Then Dr. Taki Al-Musawi was the first professor of medical physics in Iraq. The previous speech focuses on the importance of medical physicists in modern treatment techniques.
- In the same part, three opening lectures were presented:
 1. Consultant medical physicist dr. Azin Alireza Band from Iran speaks about the role of the gamma index in patient dose verification in the IMRT technique.
 2. Consultant medical physicist Dr. Hussam regab from Egypt presented a lecture about the recent radiation therapy techniques that have emerged in Iraq, especially in the Al-Warith cancer institution.
 3. Dr. Mohammed Anwar, an expert in nuclear medicine, speaks about the cyclotron and the modern type with higher capacity that builds in Karbala, Iraq, this year, also in Warith cancer institution.
- After the lectures, the IMPS honored the lectures, speakers, and guests from other Iraqi states who are members of IMPS that



corporate to improve the medical physics field, as shown in the pictures below.

- The second part involved the recent research in the medical physics field presented by the members of IMPS, as shown in the brochure below:
- At the end of the ceremony, the committees are honored by the president of IMPS
- Many medical physicists around Iraq attends the celebration, such as Baghdad, Irbil, Karbala, Nasiriyah, Najaf, Babylon, Basrah, and Mosel.
- Global television channels cover the ceremony as in the link below:

https://youtu.be/nqyQo0_NYOk

- The celebration official video link: https://youtu.be/uQC_Zt3ANCo
And <https://fb.watch/gS6-UDAZEj/>
- The hospitality for coffee break and lunch was organized with five stars company.



Ass. Prof. Dr. Mustafa Al-Musawi

17/11/2022



IMPS president Dr. Mustafa Al-Musawi





Dr. Zainab Al-Sultani



Dr. Taki Al-Musawi



Dr. Azin Bandi



Dr. Hussam regab



Dr. Nashwan Karkhi (Dean Assistant of Hawler Medical College)





Medical Physicist from Al-Najaf Mustafa Kadhim



The Celebration Brochure is found below:

**CELEBRATION
PROGRAM**

*International Day
of Medical Physics
(IDMP) 2022*

**The Iraqi Medical Physics
Society (IMPS) Organized
The Celebration in
Cooperation with Al-Warith
International Cancer
Institute and Held in
Al-Zahraa University For
Women**

7 NOVEMBER, 2022

Celebration Program

Part 1

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- 9:00- 9:30 AM** **Opening Ceremony**
- 9:30-9:40 AM** **Speech of IMPS President**
Dr. Mustafa Al-Musawi
- 9:40- 9:50 AM** **Speech of The Head of Authority of**
Health and Medical Education
Dr. Sattar Jabbar, Dr. Zainab Alsultani
- 9:50-10:00 AM** **Speech of the CEO of Al- Warith**
International Cancer Insititute
Dr. Haider Hamza Al-Abedi
- 10:00-10:10 AM** **Patient Dose Verification in IMRT**
technique (gamma factor) by Dr. Azin
Bandi
- 10:10-10:25 AM** **Recent Techniques in Radiotherapy**
by Dr. Hussam Regab
- 10:25- 10:40 AM** **The Cyclotron in Medical Physics**
Practice by Dr. Mohammed Anwar
- 10:40- 10:55 AM** **Honoring**
- 10:55- 11:30 AM** **Coffee Break**

Celebration Program

Part 2

11:30 - 11:45 AM **The effect of added filtration on radiation dose and image quality of AP pelvis radiographic examination by Prof. Dr. Hussien Abid Ali Bakir**

11:45 - 12:00 AM **Understanding High Dose, and Spatially Fractionated Therapy (Grid Radiotherapy) By Dr. Najah Abdulmuneem Al-Anizy**

12:00 - 12:15 PM **Constancy Checks of Ionization Chamber by MSc. Abdulrahman M. Abdulbaqi**

12:15 - 12:30 PM **Influence of vitamin C on irradiated mice tissues induced DNA Double Strand Breaks DSBs using γ H2AX marker by MSc. Ekhlas Alani**

12:30 - 12:45 PM **The Optimum Design Of Radiotherapy Treatment Plan In Synchronous Bilateral Breast Cancer (SBBC) With Lymph Nodes Involvement by MSc. Sura Abdulkareem**

12:45 - 1:00 PM **Dosimetric Assessment Of IMRT Treatment Planning For Unilateral Breast Cancer Patient Using Octavius Phantom Detector by MSc. Afnan Al-Wakeel**

1:00 - 1:15 PM **Effect Of Using Bolus on the Efficiency of The 3DCRT plan of Breast Cancer After Mastectomy by Eman Ghali**

1:15 - 2:00 AM **Discussion**

End of Celebration

Lunch

Committees

Celebration Masters

Dr. Ameen Mohammed Al-Sudani
Mrs. Tabarak Ali

Registration Committee

Mrs. Afrah Al-Jawahiry

Scientific Committee

Prof. Dr. Aedah Zeki Alkaisy
Prof. Dr. Hussien Abid Ali Bakir
Prof. Dr. Shaymaa Awad Kadhim

Preparatory Committee

Ass. Prof. Dr. Basim Khalaf Reja (Head)
MSc. Nabaa Al-Azawy
MSc Ekwhlas Mohammed Alani
Dr. Nawras Ali
Dr. Sura Youssif
MSc. Mustafa Kadhim
MSc. Abdulrahman Mohammed
MSc.Sura Abdulkareem
MSc. Saif Ameer
MSc Tabarak Ali



- The Honoring of the scientific committee



Prof. Dr. Hussain Abd Ali



Prof. Dr. Aeda Al-Qaissi



Prof. Dr. Shaemaa

- The Honoring of the preparatory committee



Dr. Bassim Khalaf



MSc. Medical Physicist Nabaa Alazawy



MSc. Medical Physicist Afnan Fouad



MSc. Medical Physicist Sura Abdulkareem



MSc. Medical Physicist Sura Youssif



MSc. Medical Physicist Nawras Ali



MSc. Medical Physicist Ekhlas Mohammed



MSc. Medical Physicist Abdulrahman M. Abdulbaqi



Afrah Jawad

























Al-Zahraa University for women