



## MEFOMP Workshop in Qatar Radiation Therapy Instrumentation

The Radiation Oncology Department at National Centre for Cancer Care & Research, Hamad Medical Corporation in conjunction with the Middle Eastern Federation of Organizations of Medical Physics (MEFOMP) and Qatar Medical Physics Society (QaMPS) conducted Radiation Therapy Instrumentation Workshop for three days, 22nd to 24th of September 2022 at La Cigale Hotel, Doha and at the Radiation Oncology Department.



In her welcome speech, Dr. Noora Al Hammadi, Executive Director of NCCCR and Chair of Radiation Oncology, highlighted the vital role of Medical Physics as a specialty in delivering safe and quality treatment to patients utilizing radiation. She also emphasized the significance of the workshop as an opportunity for the participants to learn and acquire knowledge which would ultimately benefit their patients.

Dr. Meshari Al – Nuaimi, President of Kuwait Association of Medical Physics (KAMP) & President of Middle East Federation of Medical Physics (MEFOMP) and Dr. Riad Shweikani, Chairman of Education & Training Committee (MEFOMP) extended warm welcome to participants on behalf of MEFOMP.

Dr. Rabih Hammoud, Chief Medical Physicist of NCCCR and Course Director of the workshop also stressed on the importance of utilizing knowledge gained from workshop in day-to-day clinical practice, quoting: "No matter how minuscule, the true value of imparted knowledge is, it is only realized when it has been fruitfully applied to improve the lives of our fellowmen".

The workshop was packed with 12 lectures, 4 practical sessions and 2 demonstration sessions on Cyber-Knife and ETHOS unit distributed over three days. In-house subject experts and faculties from PTW delivered the sessions and addressed queries from the participants. This workshop was well received by 14 participants from eight MEFOMP member countries.

The workshop concluded with remarks from Dr. Huda Al Naemi, former President & co-founder of MEFOMP and Executive Director of Occupational Health & Safety at HMC, together with Dr. Rabih Hammoud and Dr. Hassan Kharita, Vice President of MEFOMP.

One of the participants from Jordan, Mr. Anas Saleh Hasanain, gave his feedback: "The Workshop was fantastic and worth it. I was looking forward for this workshop and it exceeded my expectations. I learned a lot from the workshop, which inspired me to work better and novel ways of thinking and networking with others and renewing motivation and confidence." Mr. Anas sincerely appreciated the effort of the organizers.

MEFOMP together with its country organizations continuously strive to improve knowledge and skills of physicists within the region and looks forward to conduct further interactive and hands-on educational activities such as this.

## MEFOMP Workshop in Kuwait Brachytherapy Planning and QA.

Middle East Federation of Organizations of Medical Physics (MEFOMP) in cooperation with the International Atomic Energy Agency (IAEA) organized a workshop that took place between 7 and 9 November 2022 in Kuwait. The workshop focused on improving treatment planning and delivery



knowledge with High Dose Rate Brachytherapy (HDR) and to further strengthen current HDR Brachytherapy practice for gynaecological and prostate brachytherapy.

This workshop will provide up to-date knowledge in topics of patient selection, implementation of planning technique, requirement for establishing a safe and high quality Brachytherapy program and development in the field

The workshop main objectives are:

- Understanding the clinical rationale for HDR brachytherapy for gynaecological and prostate brachytherapy
- Learning about radiobiology of Brachytherapy treatment
- Understanding the basics of Image guided Brachytherapy including commission and QA
- Learning about Commissioning and QA of treatment planning system
- Knowing applicator choice for various sites
- Made aware of treatment planning for interstitial and intracavitary Brachytherapy
- Introduction of the treatment delivery of interstitial and intracavitary Brachytherapy
- Learning the Quality assurance needed in Brachytherapy
- Learning radiation protection aspects in Brachytherapy procedures
- Demonstration of Brachytherapy procedures for different sites

The organizing committee was honored to invite experts and pioneers in the field to deliver lectures through and to participate in the live discussions and MCQs. More than 100 participants registered in the workshop. MEFOMP would like to thank the Kuwait Foundation for the Advancement of Sciences (KFAS), ATC and Sultan united for sponsoring this event.

All recording for the workshop presentations will be available on MEFOMP Academy website: <https://mefomp.academy>

## MEFOMP Awards

A number of awards were awarded during the celebration of the International Medical Physics Day as follows:

### The IOMP IDMP Award 2022



Dr Rabih Hammoud

International Organization for Medical Physics



# IDMP 2022

The IOMP IDMP award recognizes **excellence in Medical Physics** with a particular view of promoting medical physics to a larger audience and highlighting the contributions medical physicists make for patient care.

Dr. Rabih Hammoud, MEFOMP Treasurer has been awarded the International Organization of Medical Physics (IOMP) International Day of Medical Physics (IDMP) award for the year 2022. Dr. Hammoud was selected by Awards and Honor Committee in the IOMP to be awarded this year presenting MEFOMP region. The result was announced in the IOMP webinar held on 7 November 2022 by the IOMP President.

Dr. Rabih joined Hamad Medical Corporation with rich Academic and Clinical competency in 2008 as Senior Staff Physicist and later promoted as of Chief Oncology Physicist from 2010, which he stills holds. He is also an Assistant Professor of Medical Physics Research in Radiation Oncology at Weill Cornell Medicine-Qatar. As a chief Oncology Physicist, he is currently responsible for the clinical and organizational leadership of the Medical Physicist Section of Radiation Oncology.

Dr. Hammoud is an American Board-Certified Physicist and active member of Qatar Medical Physics Society and of various medical & scientific societies like ASTRO, AAPM, ESTRO. He is the member of Education & Training Committee (ETC), International Organization for Medical Physics (IOMP). He is a Treasurer of the Middle East Federation of Organizations of Medical Physics (MEFOMP), an Auditor for the Quality Assurance Team for Radiation Oncology (QUATRO), an Examiner for the International Medical Physics Certification Board (IMPCB). Dr. Rabih is actively involved in the International Atomic Energy Agency (IAEA) and has been twice the course Director in Doha.

He has been invited as Faculty & Speaker of various activities of HMC & other Medical Societies like AAPM, ASTRO & ESTRO and have also published numerous papers, book chapters & abstracts.



# MEFOMP Young Scientist Award 2022



Dr. Hadi Fayad, was awarded MEFOMP Young Scientist Award 2022 during the International day of Medical Physics (IDMP) 2022 celebration held in Doha, Qatar, the award was presented by Dr. Huda Al Naemi, Past President of MEFOMP. The award aims to recognize significant contributions and to recognize young scientists work in Medical Physics.

Dr. Fayad works at Hamad Medical Corporation as a PET/CT Medical Physicist, based on his excellent research and teaching record, he was also appointed as an affiliate Assistant Professor of Research in Radiology at WCM-Q. He is involved in clinical practice, educational activities as well as many research activities. This helped him also to obtain the Bruce Hasegawa Young Investigator Medical Imaging Science Award, IEEE, NPSS in October 2017.

Dr. Hadi have more than 30 peer reviewed papers in a well ranked journals such as JNM, Medical physics, and PMB, in addition to one book chapter, more than 10 invited speaker, one software disclosure and more than 50 Peer-reviewed conference papers and conference abstracts. His google scholar account show a 16 H-index, a 24 I-index and around 1000 citations (135 in 2021 only). Dr. Hadi Fayad, was awarded MEFOMP Young Scientist Award 2022 during the International day of Medical Physics (IDMP) 2022 celebration held in Doha, Qatar, the award was presented by Dr. Huda Al Naemi, Past President of MEFOMP. The award aims to recognize significant contributions and to recognize young scientists work in Medical Physics.

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## MEFOMP Outreach and Engagement Award 2022

Dr. Nabaa Najji, was awarded MEFOMP Outreach and Engagement Award 2022, during the International day of Medical Physics (IDMP) 2022 celebration. The award is given to a medical physicist from the region to recognize especially significant outreach achievements that increased public understanding of medical physics profession.



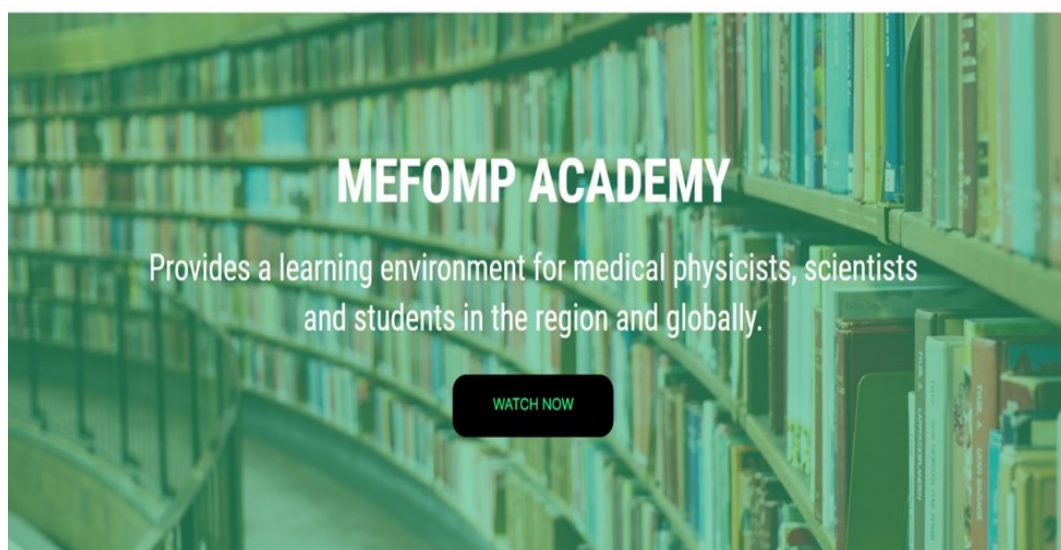
Dr. Najji started her work in this field in 1996, and graduated with M.Sc. in 2002 and a Ph.D. in 2007. Currently she is working as a lecturer in medical physics in Mustansiria Medical College. She has published many papers and participated in many events and trainings. In 2010, she was nominated to represent the Iraqi Medical Physicists in the AAPM Annual meeting. She is the Past President of Iraqi Medical Physics Society (IMPS) and helped IMPS to be member of MEFOMP and IOMP.

## MEFOMP Academy

MEFOMP has launched a new website called MEFOMP academy which is an online platform provides a learning environment for medical physicists, scientists and students in the region and globally. The platform will offer exclusive live streaming events, an extended and constantly growing on-demand library, and premium topic packages related to medical physics.



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Choose your favorite content and watch it from wherever, whenever you want. Furthermore, you can test your knowledge on various self-assessment courses.



# MEFOMP Celebrates International Medical Physics Day 2022

## Qatar Medical Physics Society

Qatar Medical Physics Society (QaMPS) in collaboration with Occupational Health and Safety Department celebrated the International Day of Medical Physics (IDMP) last 7 November 2022. Most medical physicists from QaMPS attended the celebration which was preceded by a meeting for QaMPS.



The theme of this year's IDMP celebration was "**Medical Physics for Sustainable Healthcare**" with focus on education, research and innovation as some of the essential fields for good health and well-being. Dr Huda al Naemi, QaMPS president started the celebration with welcoming and congratulating all medical physicists for the IDMP, this is followed by presentation about the achievement during last year, including numerous number of training activities and the publication of 19 papers by medical physicists in HMC. Dr. Huda announced the winners of and awardees for the region.

## Iraqi Medical Physics Society



The Iraqi Medical Physics Society (IMPS) in collaboration with Al-Warith Cancer Institution organized the **International Day of Medical Physics (IDMP) 2022** celebration at Al- Zahraa University for Women, Karbala, Iraq.

The celebration emphasized the importance of medical physicists in modern treatment techniques. The IMPS honored the speakers, and guests from other Iraqi states. who are members of IMPS

who continuously strive to improve the medical physics field.

After the lectures, the IMPS honored the speakers, and guests from other Iraqi states who are members of IMPS who continuously strive to improve the medical physics field.

Several medical physicists from all over Iraq attended this celebration.

## Muscat - Sultanate of Oman

The Medical Physics Unit celebrated the International Medical Physics Day at the Sultan Qaboos Center for Cancer Treatment and Research.

Presentation on the role and responsibilities of medical physicists in the Department of Radiology and Nuclear Medicine were conducted.



The aim was to build a greater awareness of the value of Medical Physicists contribution to radiology department in providing safe care for patients and workers in the field of radiology.

## Upcoming EVENTS

### UPCOMING MEETINGS

#### AAPM Meetings

- [RSNA](#) : November 27 - December 1, 2022
- [Spring Clinical](#) : April 1 - 4, 2023
- [Summer School](#) : June 2 - 7, 2023
- Annual Meeting & Exhibition : July 23 - 27, 2023

#### Meetings of Interest

- [Nuclear Medicine Tutorials - Covering Nuclear Medicine Basic Science](#) : Ongoing Webinar
- PSI Winter School for Proton Therapy: January 16 - 19, 2023
- [Patient Communication for Medical Physicists Workshop](#) : April 27 - 28, 2023
- [Medical Physics Meetings - Calendar of Events](#)

### Share your stories and ideas. Contact Us!

MEFOMP Newsletter are regularly published bi-annually. Newsletters will be available on the official website at [www.mefomp.com](http://www.mefomp.com)

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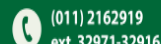
مستشفى الملك فيصل التخصصي ومركز الأبحاث  
King Faisal Specialist Hospital & Research Centre

# 2023

## Radiation in Medicine Courses & Workshops

12 - 15 February 2023 (21 - 24 Rajab 1444)

HYBRID EVENT



Middle East Federation of Organizations of Medical Physics

## MEFOMP Medical Physics Conference 2023

19 – 22 May 2023

Royal Hospital, Muscat, Sultanate of Oman

### Advances, Automation and Acceleration in Radiation Medicine

Artificial intelligence and deep machine learning: principles  
Medical physics in Middle East: advances and challenges  
Health physics and radiation safety aspects, standards and regulations

For more information visit <https://MEFOMP-conference.com>