

## SPEAKERS



**Belal Moftah, PhD, FCCPM**  
Chairman, ICRM2022  
Chairman, Biomedical Physics  
Department, King Faisal Specialist  
Hospital & Research Centre  
Riyadh, Saudi Arabia  
Adjunct Professor, McGill University,  
Montreal, Canada



**Mehenna Arib, PhD**  
Senior Health Physicist & Head,  
Secondary Standard Dosimetry  
Laboratory  
Biomedical Physics Department,  
King Faisal Specialist Hospital  
and Research Centre  
Riyadh, Saudi Arabia



**Bilal Jalal, MSc, DABR**  
Senior Radiation Oncology Physicist  
and System Administrator  
King Fahad Specialist Hospital  
Dammam, Saudi Arabia



**Mukhtar Alshamqity, PhD, DABR**  
Consultant Physicist & Head,  
Medical Physics  
Comprehensive Cancer Center  
King Fahad Medical City  
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**Camelia Constantinescu, PhD**  
Medical Physicist, Radiation  
Oncology Physics Section,  
Biomedical Physics Department,  
King Faisal Specialist Hospital  
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**Slobodan Devic, PhD, FCCPM**  
Associate Professor, Medical  
Physics Unit, McGill University  
Medical Physicist, Radiation  
Oncology Department, Jewish  
General Hospital  
Montréal, Québec, Canada



**Mamoun Shehadeh, MSc, DABR**  
Medical Physicist, Radiation  
Oncology Physics Section,  
Biomedical Physics Department,  
King Faisal Specialist Hospital  
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**Waleed Alnajjar, PhD,  
DABR, DABMP**  
Adjunct Principal Medical  
Physicist/Scientist, Radiation  
Oncology Physics Section,  
Biomedical Physics Department,  
King Faisal Specialist Hospital &  
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**Md. Abdullah AlKafi, MSc, DABR**  
Medical Physicist, Radiation  
Oncology Physics Section,  
Biomedical Physics Department,  
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**Wamied Abdel Rahman,  
PhD, DABR, FCCPM**  
Chief Medical Physicist,  
King Fahad Specialist Hospital  
Dammam, Saudi Arabia

## PROGRAM SCHEDULE

### Radiotherapy Physics Review Course

Sunday, February 13, 2022

#### SESSION I: Radiotherapy Physics & Dosimetry

Moderator(s): Belal Moftah, PhD and Waleed Alnajjar, PhD

13:00	Radiation Physics	Wamied AbdelRahman, PhD
13:30	Radiation Dosimetry	Wamied AbdelRahman, PhD
14:00	Radiation Detection and Measurements	Mehenna Arib, PhD
14:30	Reference Dosimetry I (TG-51 & TRS-398)	Mamoun Shehadeh, MSc
15:00	Reference Dosimetry II (TG-51 & TRS-398)	Mamoun Shehadeh, MSc
15:30	<b>BREAK</b>	

#### SESSION II: External Beam Radiotherapy

Moderator: Waleed Alnajjar, PhD

16:00	Linear Accelerators Components	Abdullah Al-Kafi, MSc
16:30	Linear Accelerators QA (TG-142)	Mukhtar Alshamqity, PhD
17:00	Treatment Planning QA	Camelia Constantinescu, PhD
17:30	MU Calculations	Abdullah Al-Kafi, MSc
18:00	<b>BREAK</b>	

#### SESSION III: Selected Topics in Radiotherapy

Moderator: Waleed Alnajjar, PhD

18:30	Treatment Plan and Chart Review	Bilal Jalal, MSc
19:00	Imaging in Radiotherapy	Slobodan Devic, PhD
19:30	Brachytherapy	Slobodan Devic, PhD

# 7<sup>th</sup> INTERNATIONAL CONFERENCE ON RADIATION MEDICINE

Virtual Event, Hosted by King Faisal Specialist Hospital & Research Centre, Riyadh, Saudi Arabia

12 - 16 RAJAB 1443 | 13 - 17 FEBRUARY 2022

CLINICAL APPLICATIONS AND INNOVATIVE APPROACHES

## Medical Physics Track



# Radiotherapy Physics Review Course

Sunday, 13 February 2022

#### Course Coordinators:

Waleed Al-Najjar, PhD  
Wamied Abdel Rahman, PhD  
Mukhtar Alshamqity, PhD



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