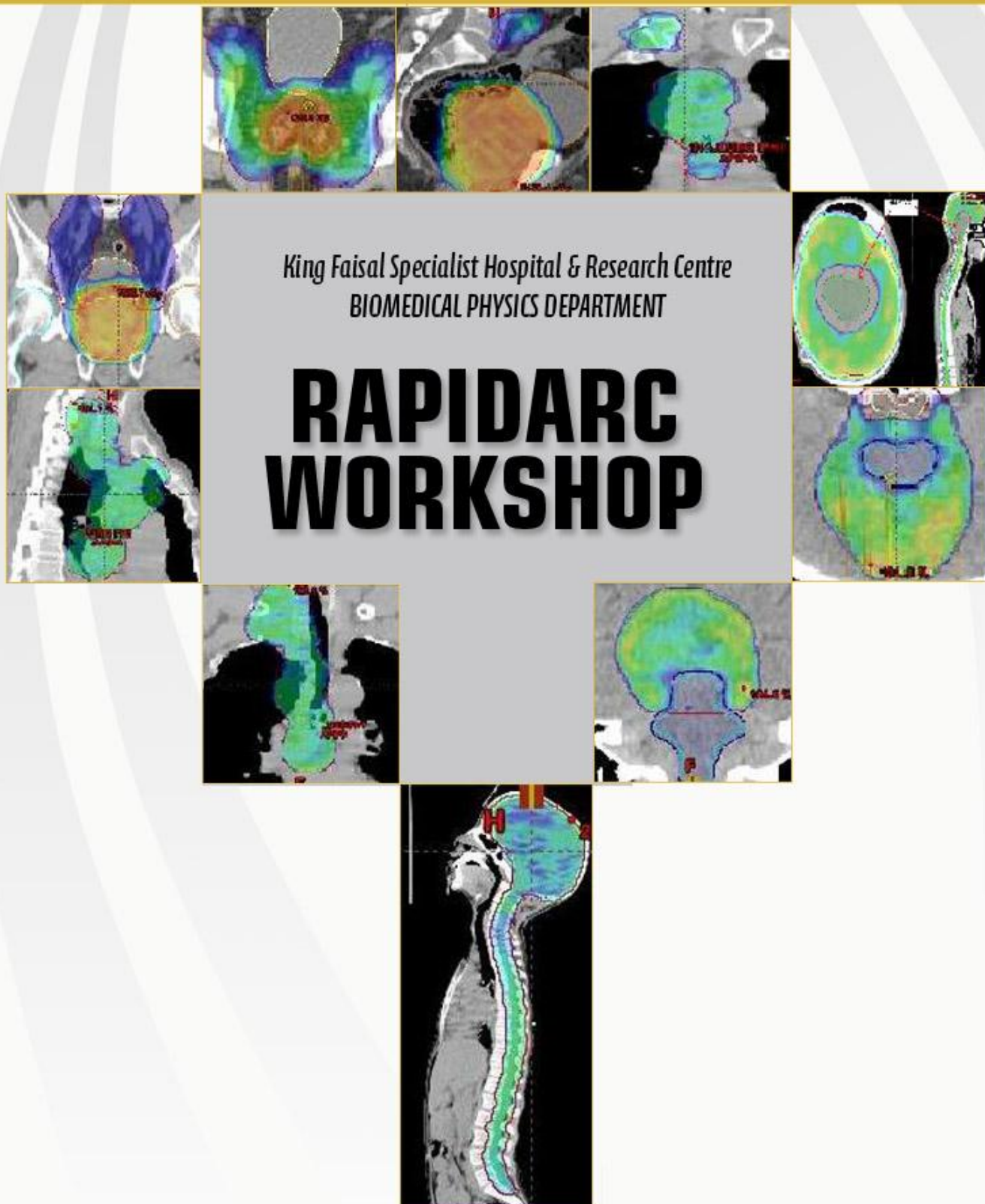




مستشفى الملك فيصل التخصصي ومركز الأبحاث
King Faisal Specialist Hospital & Research Centre
Gen. Dir. مؤسسة الملك فيصل

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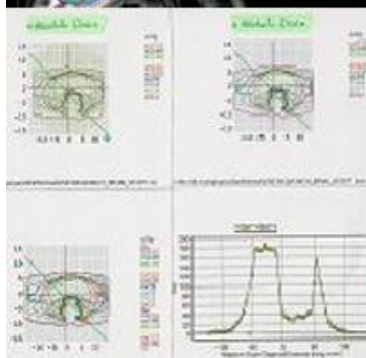
INTERNATIONAL CONFERENCE ON RADIATION MEDICINE



RAPIDARC WORKSHOP

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IMRT/IGRT RAPIDARC WORKSHOP

Venue: Treatment Planning Rooms and Treatment Unit 21EX

Coordinator: Mr. Ahmad Nobah

Faculty:

Mr. Ahmad Nobah, Dr. Mohammad Beltagi, Mr. Umar Mwidu, Ms. Lorcel Ericka Ventruina, Mr. Francis Tse, Ms. Julia Brown

Related CE Course: RO1-CEC entitled "Advanced Radiotherapy Clinical Applications"

Target Audience:

This workshop is aimed at radiation physicists, dosimetrists, radiation oncologists, and radiation therapists interested in the RapidArc® technique on Varian® LINACS. Basic knowledge of radiation oncology and radiation physics is a prerequisite. Experience in IMRT planning and treatment will be an added advantage.

Workshop Description:

It is a Show and Tell workshop where participants will be walked-through step-by-step demonstrations for all aspects of the RapidArc® process. It will cover the following:

1. Introduction to Arc Therapy
2. Case study:
 - Brain Case
 - Nasopharyngeal case (T4N3aM0), SIB: PTV70, 66, 60, 54
3. Step-By-Step RapidArc Radiotherapy process:
 - CT Simulation
 - Contouring
 - Planning & Optimization
 - Dose evaluation
 - Dose delivery using the IGRT system (Varian-OBi)
 - Patient Specific QA using MapCheck2 device

RAPIDARC WORKSHOP

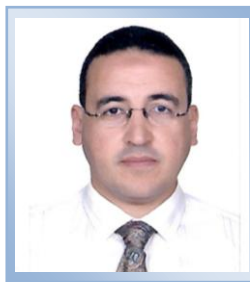
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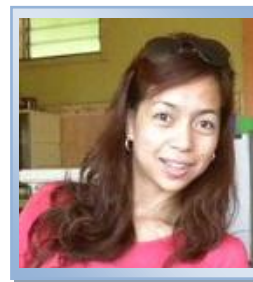
Coordinator



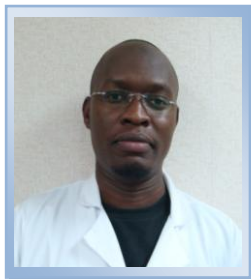
Ahmad Nobah, MSc
Medical Physicist



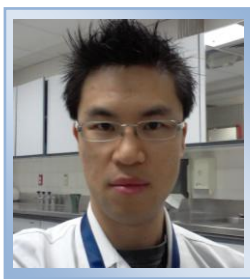
Mohammed Nazmy, MD
Consultant



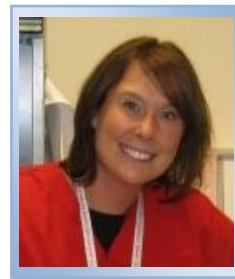
Lorcel Ericka Venturina, CMD
Medical Dosimetrist



Umar Maganda Mwidu, MSc
Medical Physicist



Francis Tse, BSc, MRT(T)
Senior Radiation Therapist

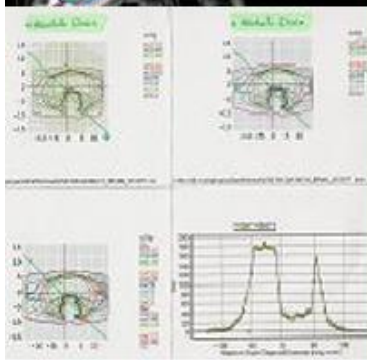


Julia Brown, HBSc, BMRS, MRT(T)
Radiation Therapist

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Dear Participant,

This workshop intends to discuss the RapidArc technology as a state of the art technique that is capable of delivering intensity modulated radiation beams in a very short time compared to conventional fixed angle Intensity Modulated Radiation Therapy (IMRT). The workshop will explore the RapidArc process as a whole, starting from the basics and then gradually move to more challenging scenarios. All of you should learn from it; Physicist, Dosimetrists, Oncologists, and Therapists.

In this workshop, you will learn how to be efficient in each part of the RapidArc process, to make the workflow smooth and achieve the main goal of the RapidArc technology, which is , short treatment time with optimal treatment accuracy.

In this workshop you will be required to participate in part of the planning process, so it is required of you to listen to the instructor and then implement what will be asked of you.

At the end of this workshop, there will be a quiz, and the highest score will receive prizes.

You are encouraged to make the best use of this 8-hour workshop by learning as much as you can and therefore do not be deterred from asking any questions.

In case you are interested to learn more about specific aspects of the process and you feel that certain subjects may not be as relevant to you, you are advised to spend the last two hours of the workshop with our team informally asking questions about this technology.

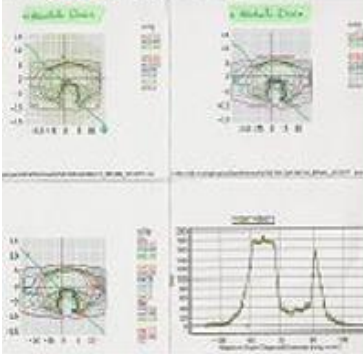
Best wishes and good luck-

RapidArc Team at KFSHRC

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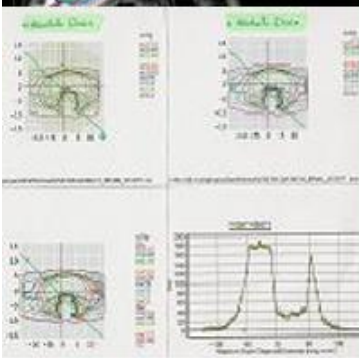
Date	Wednesday, 29 Feb 2012			
Time	Activity			
08:00 - 09:30	Continuing Education Courses			
09:30 - 10:00	Coffee Break			
12:00 - 13:30	Prayer and Lunch Break (Al-Maather Cave Park)			
Beginning of RapidArc Workshop				
Time	Topic	Group	By	Room
13:30 - 13:40	What is this workshop about?	ALL	A.N.	Onc. Conf.
13:40 - 14:00	RapidArc .. Clinical Perspective	ALL	M.N.	
14:00- 15:00	Introduction: RapidArc (TPS)	ALL	E.V.	Onc. Conf.
15:00 - 15:30	CT Simulation	ALL	F.T. & J.B.	CT Sim
15:30 - 16:00	Break + Discussion			
16:00 - 17:00	RapidArc Planning (Brain)	ALL	E.V.	Onc. Conf.
17:00 - 17:20	Discussion	ALL	ALL	Onc. Conf.
Thursday, 1 March 2012				
Time	Topic	Group	By	Room
08:00 - 09:00	RapidArc Planning (Naso)	ALL	A.N.	Onc. Conf.
09:30 - 10:00	Break + Discussion			
10:00 - 10:30	Case Delivery	G1	F.T. / J.B.	21EX (T2)
	RA QA Process	G2	U.M.	Onc. Conf.
10:30 - 11:00	Case Delivery	G2	F.T. / J.B.	21EX (T2)
	RA QA Process	G1	U.M.	Onc. Conf.
11:00 - 11:10	QUIZ	ALL	RA Team	Onc. Conf.
11:10 - 11:30	RA QA Delivery	G2	U.M.	21EX (T2)
11:30 - 11:50	RA QA Delivery	G1	U.M.	21EX (T2)
11:50 - 12:00	<i>Prize for the highest score</i>			
END OF WORKSHOP				
12:00 - 12:30	Closing Ceremony/Distribution of Certificates Venue: Prince Salman Auditorium			
12:30 - 15:30	Prayer and Lunch Venue: Prince Salman Auditorium Foyer			

M.N.: Mohammad Nazmy, F.T.: Francis Tse, J.B.: Julia Brown
 E.V.: Erica Venturina, U.M.: Umar Mwido, A .N.: Ahmad Nobah

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13:30 – 13:40 PM	<p><u>Introduction</u></p> <ul style="list-style-type: none"> - Workshop Time table - Get the best out of this workshop
13:40 – 14:00 PM	<p><u>RapidArc .. Clinical Perspective</u></p> <ul style="list-style-type: none"> - KFSHRC RapidArc experience - Why I prefer RapidArc as an oncologist?
14:00 - 15:00 PM	<p><u>Introduction: RapidArc (TPS)</u></p> <ul style="list-style-type: none"> - ABC of RapidArc - Importing Patient CT - Contouring - Start a plan
15:00 – 15:30 PM	<p><u>CT Simulation</u></p> <ul style="list-style-type: none"> -Patient Positioning -Exporting CT to Eclipse
15:30 – 16:00 PM	Break
16:00 – 17:00 PM	<p><u>RapidArc Planning (Brain case)</u></p> <ul style="list-style-type: none"> - RapidArc contours - Arc geometry - Optimization parameters - Plan evaluation
08:00 – 09:30 AM	<p><u>Advanced RapidArc Planning (Naso Case)</u></p> <ul style="list-style-type: none"> - RapidArc contours - Arc geometry - Optimization parameters - Plan evaluation - Results of different arc geometries - Plan approvals - Second independent check software
09:30 – 10:00 AM	Break
10:00 – 11:00 AM	<p><u>Case Delivery (H&N Case) .. Parallel session</u></p> <ul style="list-style-type: none"> - Calc Room check - Machine check - IGRT: OBI Registration - Treatment Delivery
10:00 – 11:50 AM	<p><u>RA QA Process and Delivery .. Parallel session</u></p> <ul style="list-style-type: none"> - Creating Verification plan - MapCHECK2 machine setup - Patient Specific QA plan delivery

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