

# Scientific Program

# Day 1

## Time

Monday, 9 March 2009

0700 -

**ON-SITE REGISTRATION**

**Venue:** Prince Salman Auditorium & North Tower Ground Floor

0730 - 0830

**BREAKFAST**

**Venue:** Prince Salman Auditorium & North Tower Ground Floor

### SESSION 1: Continuing Education Courses, Part I

0830 - 0930

**Session 1A: IMRT & IGRT**

**Venue:** Prince Salman Auditorium

Coordinator: *Dr. Nasser Al-Rajhi*; Chairperson: *Dr. Majid Al-Othman*

Introduction & History of IMRT and IGRT  
Helical Tomotherapy IMRT and IGRT

*Prof. Anders Brahme*  
*Prof. Thomas Mackie*

**Session 1B: Particle Therapy**

**Venue:** Research Centre Rm 304

Coordinator: *Dr. Mohammad Al-Shabanah*; Chairperson: *Dr. Ibrahim Al-Jammaz*

Discovery of the Proton  
Physics Aspects of Particle Therapy

*Prof. Herman Suit*  
*Dr. Jay Flanz*

**Session 1C: SRS & SRT**

**Venue:** Oncology Centre Hall

Coordinator: *Dr. Adnan Al-Hebshi*; Chairperson: *Dr. Essam Al-Shail*

Radiosurgery, History and Introduction  
CyberKnife Radiosurgery for Brain and Head & Neck Lesions

*Prof. John Adler*  
*Prof. John Adler*

**Session 1D: Brachytherapy**

**Venue:** Research Centre Rm 208

Coordinator: *Dr. Khalid Balaraj*; Chairperson: *Dr. Mohamed Azzat*

History and Introduction to Brachytherapy  
Clinical Aspects of Brachytherapy

*Prof. Michael Evans*  
*Dr. Khalid Balaraj*

**Session 1E: Physics Quality Assurance**

**Venue:** Research Centre Rm B51

Coordinator: *Dr. Waleed Al-Najjar*; Chairperson: *Dr. Khalid Al-Yahya*

Introduction & Importance of RT QA  
Quality Assurance for Intensity Modulated Arc Therapy

*Dr. Konstantin Zakaryan*  
*Prof. Luca Cozzi*

**Session 1F: Monte Carlo**

**Venue:** RO Conference Room

Coordinator: *Dr. Omar Chibani*; Chairperson: *Dr. Ahmed Outif*

Introduction to Monte Carlo  
Monte Carlo Simulation of Particle Transport

*Prof. Charlie Ma*  
*Dr. Omar Chibani*

**Session 1G: The Radiation Oncology Process**

**Venue:** Oncology Conference Room

Coordinator: *Dr. Yasser Khafaga*; Chairperson: *Dr. Maha Aledraissi*

Introduction: Clinical Assessment, Prescription, Planning,  
Patient Set up and Verification  
The PET/CT Role in Radiotherapy

*Dr. Mohammad Al-Shabanah*  
*Dr. Omer Demirkaya*

# Scientific Program

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Monday, 9 March 2009

1000 - 1045

### **SESSION 2: Opening Ceremony**

**Venue:** Prince Salman Auditorium

**Master of Ceremony:** *Dr. Futwan Al-Mohanna, Deputy Executive Director, Research Centre*

**Recitation of the Holy Quran:** *Dr. Adnan Al-Hebshi, Consultant, Radiation Oncology*

**Opening Remarks:** *Dr. Belal Mofteh, Chairman*

*Organizing Committee and Chairman, Biomedical Physics Department*

#### **Welcome Addresses**

*Dr. Qasim Al-Qasabi, Chief Executive Director, KFSH&RC*

*Dr. Mohammed I. Al-Suwaiyel, President, KACST*

*Dr. Fahad A. Al-Abdul Jabbar, Chairman, Board of Directors, KFSH&RC, and Chairman Advisor of The Custodian of The Two Holy Mosques and The General Supervisor of the Royal Clinics*

#### **International Keynote Speaker Addresses**

Proton Therapy: Promising Results

*Prof. Herman Suit, Harvard Medical School, USA*

Carbon and Light Ions: The Ultimate Radiation Therapy Modality

*Prof. Anders Brahme, Karolinska Institute, Stockholm University, Sweden*

1045 - 1115

### **SESSION 3: Ribbon-Cutting Ceremonies for Radiotherapy Treatment Modalities**

**Venue:** Radiation Therapy Area, New Oncology Building

**Chairperson:** *Dr. Mohammad Al-Shabanah*

*Co-chairman, Organizing Committee and Head, Radiation Oncology*

#### **CyberKnife**

*Dr. Fahad Al-Abdul Jabbar, Chairman, Board of Directors, KFSH&RC*

*Prof. John Adler, Stanford University, USA*

*Dr. Ismael Ahmad, President, Gulf Medical Co. Ltd.*

#### **TomoTherapy**

*Dr. Mohammed I. Al-Suwaiyel, President, KACST*

*Prof. Thomas Rockwell Mackie, University of Wisconsin, USA*

*Mr. Waleed Attieh, President, Attieh Medico Ltd.*

#### **RapidArc**

*Dr. Qasim Al-Qasabi, Chief Executive Director, KFSH&RC*

*Mr. Fritz Derrer, Regional Sales Director, Varian Medical Systems International*

*Mr. Faisal El-Seif, President, El-Seif Development Group*

#### **Large Bore CT**

*Prince Dr. Turki Saud Mohammed Al-Saud, Vice President for Research Institutes, KACST*

*Mr. Ali Damati, President, Al-Faisaliah Medical Systems*

1115 - 1245

### **Lunch Break and Prayer**

**Venue:** Al-Ma'ather Cave Park

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### **SESSION 4: Keynote Session**

#### **Innovative Approaches in Radiotherapy, Part I**

Chairpersons: *Dr. Imaduddin Kanaan and Dr. Khalid Aleissa*

**Venue:** Prince Salman Auditorium

1245 - 1315

CyberKnife Robotic Stereotactic Radiosurgery: Expanding the Scope of Radiotherapy

*Prof. John Adler*

1315 - 1345

Image Guided Radiation Therapy

*Prof. Thomas Rockwell Mackie*

1345 - 1415

Medical Applications of Accelerators and Beams

*Dr. Jay Flanz*

### **SESSION 5: Plenary Lectures**

#### **Innovative Approaches in Radiotherapy, Part II**

Chairpersons: *Dr. Dahish Ajarim and Dr. Tarek Amin*

**Venue:** Prince Salman Auditorium

1415 - 1440

Intra-Operative Electron Radiation Therapy (IOERT): Potential, Practical and Boost Modality for Cancer Patients

*Dr. Michael Kopp*

1440 - 1505

Stereotactic Radiosurgery with Proton Therapy

*Dr. Helen Shih*

1505 - 1530

Proton vs Carbon: Dose Distribution and Biological Characteristics

*Prof. Herman Suit*

1530 - 1535

Discussions

1535 - 1550

**Coffee Break and Prayer**

### **SESSION 6: Plenary Lectures**

#### **Innovative Approaches in Radiotherapy, Part III**

Chairpersons: *Dr. Yassir Bahader and Dr. Abdul Hameed Soudi*

**Venue:** Prince Salman Auditorium

1550 - 1615

Monte Carlo for Advanced Radiotherapy

*Prof. Charlie Ma*

1615 - 1640

Volumetric Modulated Radiation Therapy

*Prof. Luca Cozzi*

1640 - 1705

Development of Biologically Optimized Cancer Therapy Based on In Vivo Predictive Assay of Radiation Responsiveness Imaging BioArt

*Prof. Anders Brahme*

1705 - 1710

Discussions

1830

Bus pick-up from New Oncology Building Entrance to King Abdulaziz Museum

2000 - 2200

**Evening Presentation & Gala Dinner (King Abdulaziz Palace)**

**Sponsored by:** Gulf Medical Co. Ltd. / Accuray

Tuesday, 10 March 2009

### SESSION 7 - Continuing Education Courses, Part II

0800 - 0855

#### Session 7A: IMRT & IGRT

**Venue:** Prince Salman Auditorium

Coordinator: *Dr. Nasser Al-Rajhi*; Chairperson: *Mr. Kostas Chantziantoniou*

Future of IMRT and IGRT  
Clinical Aspects of RapidArc

*Prof. Anders Brahme*  
*Prof. Luca Cozzi*

#### Session 7B: Particle Therapy

**Venue:** Research Centre Rm 304

Coordinator: *Dr. Mohammad Al-Shabanah*; Chairperson: *Dr. Medhat El Sebaie*

Dialectric Wall Proton Therapy Accelerators  
Proton Beam Scanning Requirements & Implementation

*Prof. Thomas Rockwell Mackie*  
*Dr. Jay Flanz*

#### Session 7C: SRS & SRT

**Venue:** Oncology Centre Hall

Coordinator: *Dr. Adnan Al-Hebshi*; Chairperson: *Dr. Ali Al-Zahrani*

SRS Clinical Aspects: The Standford Experience  
SRS Clinical Aspects: The RKH Experience

*Prof. John Adler*  
*Prof. Khalaf Al-Moutaery*

#### Session 7D: Brachytherapy

**Venue:** Research Centre Rm 208

Coordinator: *Dr. Khalid Balaraj*; Chairperson: *Dr. Osman Elhanafy*

Overview of Brachytherapy Physics  
Low-Dose Rate for Cervix

*Dr. Zeinab El-Taher Hassan*  
*Dr. Raef Awad*

#### Session 7E: Physics Quality Assurance

**Venue:** Research Centre Rm B51

Coordinator: *Dr. Waleed Al-Najjar*; Chairperson: *Dr. Khalid Al-Yousef*

Linac QA and Chamber Calibrations  
Patient Specific Gating and Targeting Motion QA Solution

*Prof. Michael Evans*  
*Dr. Konstantin Zakaryan*

#### Session 7F: Monte Carlo

**Venue:** RO Conference Room

Coordinator: *Dr. Omar Chibani*; Chairperson: *Dr. Nabil Maalej*

Physics of Photon Transport  
Physics of Electron Transport

*Dr. Omar Chibani*  
*Dr. Omar Chibani*

#### Session 7G: The Radiation Oncology Process

**Venue:** Oncology Conference Room

Coordinator: *Dr. Yasser Khafaga*; Chairperson: *Dr. Majid Mansour*

Conformal & IMRT in Pediatric Patients  
Special Radiotherapy Techniques in Pediatric Patients

*Dr. Yasser Khafaga*  
*Dr. Yasser Khafaga*

# Scientific Program

## Day 2

Time

Tuesday, 10 March 2009

### SESSION 8 - Continuing Education Courses, Part III

0900 - 0955

#### Session 8A: IMRT & IGRT

Coordinator: *Dr. Nasser Al-Rajhi*; Chairperson: *Dr. Ayman Allam*

**Venue:** Prince Salman Auditorium

Targeted Immunoradiotherapy

*Dr. Abdulaziz Al-Sugair*

IMRT Treatment Planning Dose Calculation Algorithms & Engines

*Dr. Konstantin Zakaryan*

#### Session 8B: Particle Therapy

Coordinator: *Dr. Mohammad Al-Shabanah*; Chairperson: *Dr. Mohamed Al-Shabanah*

**Venue:** Research Centre Rm 304

TBA

*Mr. Jean-Marc Andral*

Proton Therapy: The Physical Aspects

*Prof. Luca Cozzi*

#### Session 8C: SRS & SRT

Coordinator: *Dr. Adnan Al-Hebshi*; Chairperson: *Mr. Yassir Al-Barakati*

**Venue:** Oncology Centre Hall

SRS Clinical Aspects: The KFSH&RC Experience  
*Technical Aspects of SRS*

*Dr. Adnan Al-Hebshi*

*Dr. Tarek El-Kaissi*

#### Session 8D: Brachytherapy

Coordinator: *Dr. Khalid Balaraj*; Chairperson: *Dr. Adnan Al-Watban*

**Venue:** Research Centre Rm 208

CT vs Orthogonal Radiography Based Treatment Planning  
in HDR in Cancer Cervix Patients  
Radiobiology of Brachytherapy

*Dr. Zeinab El-Taher Hassan*

*Dr. Ghazi Alsbeih*

#### Session 8E: Physics Quality Assurance

Coordinator: *Dr. Waleed Al-Najjar*; Chairperson: *Mr. Fathy Saeedi*

**Venue:** Research Centre Rm B51

Commissioning & QA of Radiation Treatment Planning  
System I

*Dr. Waleed Al-Najjar*

Commissioning & QA of Radiation Treatment Planning  
System II

*Dr. Waleed Al-Najjar*

#### Session 8F: Monte Carlo

Coordinator: *Dr. Omar Chibani*; Chairperson: *Dr. Mohammad Al-Johani*

**Venue:** RO Conference Room

Source Modeling for Monte Carlo Linac Simulation

*Prof. Charlie Ma*

Beam Commissioning for Monte Carlo Dose Calculation

*Prof. Charlie Ma*

#### Session 8G: The Radiation Oncology Process

Coordinator: *Dr. Yasser Khafaga*; Chairperson: *Dr. Abdurahman Al-Hadab*

**Venue:** Oncology Conference Room

Special RT Techniques: HDRB, TBI & TSI

*Prof. Michael Evans*

Advanced RT Techniques (IMRT, SRS, IGRT, Protons, Ions)

*Prof. Anders Brahme*

1000 - 1020

**Coffee Break**

# Scientific Program

## Day 2

Time

Tuesday, 10 March 2009

### SESSION 9: Plenary Lectures

#### Innovative Approaches in Radiotherapy, Part IV

Chairpersons: *Dr. Hassan El-Solh and Dr. Khalaf Al-Moutaery*

**Venue:** Prince Salman Auditorium

1020 - 1045	Proton vs Carbon: Relative Clinical Efficacy	<i>Prof. Herman Suit</i>
1045 - 1110	Recent Developments of Light Ion Radiation Therapy	<i>Prof. Anders Brahme</i>
1110 - 1135	High Intensity Focused Ultrasound Ablation: A Novel, Noninvasive Treatment for Cancer Patients	<i>Prof. Feng Wu</i>
1135 - 1200	Application of Proton Therapy for Brain Tumors	<i>Dr. Helen Shih</i>
1200 - 1205	Discussions (All panelists)	

### Lunch Break and Prayer

Event: Falcon Show

**Venue:** Al-Ma'ather Cave Park

### SESSION 10: Plenary Lectures & Panel Discussions Part I, Particle Therapy

Chairpersons: *Dr. Samy El-Badawy, Dr. Manhar Vora and Dr. Belal Mofteh*

**Venue:** Prince Salman Auditorium

1330 - 1340	Recent Developments of Light Ion Radiation Therapy	<i>Prof. Anders Brahme</i>
1340 - 1350	Proton Therapy: The Swiss Physics Perspective	<i>Prof. Luca Cozzi</i>
1350 - 1400	The MGH/Harvard Burr Proton Therapy: Technical Aspects	<i>Dr. Jay Flanz</i>
1400 - 1410	Laser-Accelerated Protons for Radiation Oncology	<i>Prof. Charlie Ma</i>
1410 - 1420	Novel Proton Beam Delivery Systems for Intensity Modulated Radiation Therapy	<i>Prof. Thomas Rockwell Mackie</i>
1420 - 1440	The MGH/Harvard Burr Proton Therapy: Clinical Issues with Proton Therapy	<i>Dr. Helen Shih</i>
1440 - 1450	Radiation Dose and Risk of Secondary Cancer	<i>Prof. Herman Suit</i>
1450 - 1530	Discussions (All panelists) Innovative Approaches: Particle Therapy	

### Coffee Break and Prayer

### SESSION 11: Plenary Lectures & Panel Discussions Part II, Innovative Approaches: IMRT, IGRT and SRS

Chairpersons: *Dr. Abdullah Al-Amro, Dr. Jazi Al-Mokhlef and Dr. Abdurahman Dhiab*

**Venue:** Prince Salman Auditorium

1550 - 1600	Cyberknife Radiosurgery, An Emerging Surgical Revolution	<i>Prof. John Adler</i>
1600 - 1610	RapidArc	<i>Prof. Luca Cozzi</i>
1610 - 1620	Image Guided Radiation Therapy for Prostate Cancer	<i>Prof. Charlie Ma</i>
1620 - 1630	Helical Tomotherapy	<i>Prof. Thomas Rockwell Mackie</i>
1630 - 1640	Intensity Modulated Radiotherapy	<i>Prof. Anders Brahme</i>
1640 - 1650	Image-Guided HDR Endorectal Brachytherapy	<i>Dr. Belal Mofteh</i>

# Scientific Program

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## Time

Tuesday, 10 March 2009

1650 - 1710

Discussions (All panelists)

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1945

Bus pick-up from New Oncology Building Entrance to Marriott Hotel

2000 - 2200

**Dinner**

**Sponsored by:** Al-Faisaliah Medical Systems

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# Scientific Program

# Day 3

Time

Wednesday, 11 March 2009

0800 - 0945

## SESSION 12: Continuing Education Courses, Part IV

### Session 12A: IMRT & IGRT

**Venue:** Prince Salman Auditorium

Coordinator: *Dr. Nasser Al-Rajhi*; Chairperson: *Dr. Ibrahim Aref*

3D versus IMRT Treatment Planning Comparisons  
KFSH&RC IMRT Experience - Clinical Aspects  
KFSH&RC IMRT Experience - Physical Aspects

*Mr. Michael Lim*  
*Dr. Nasser Al-Rajhi*  
*Dr. Belal Mofteh*

*Closing Remarks & Course Evaluation*

### Session 12B: Particle Therapy

**Venue:** Research Centre Rm 304

Coordinator: *Dr. Mohammad Al-Shabanah MD*; Chairperson: *Engr. Salman Milliebari*

Clinical Aspects of Proton Therapy: The Harvard Experience  
IBA Particle Experience  
*Prospect for Particle Therapy in Saudi Arabia*

*Dr. Helen Shih*  
*Mr. Yves Jongen*  
*Dr. Mohammad Al-Shabanah*

*Closing Remarks & Course Evaluation*

### Session 12C: SRS & SRT

**Venue:** Oncology Centre Hall

Coordinator: *Dr. Adnan Al-Hebshi*; Chairperson: *Dr. Esam Murshad*

Fast Monte Carlo Dose Calculation for CyberKnife  
Patient Indications and Selection  
Quality Aspects of Stereotactic Radiosurgery

*Prof. Charlie Ma*  
*Dr. Imaduddin Kanaan*  
*Dr. Ueber Miola*

*Closing Remarks & Course Evaluation*

### Session 12D: Brachytherapy

**Venue:** Research Centre Rm 208

Coordinator: *Dr. Khalid Balaraj*; Chairperson: *Mr. Mohamed Naseem*

20 Years of HDR Brachytherapy for Carcinoma of the  
Cervix at McGill  
KAUH Brachytherapy Experience  
After Loading Brachytherapy Quality Assurance & Safety

*Prof. Michael Evans*  
*Dr. Yassir Bahader*  
*Prof. Michael Evans*

*Closing Remarks & Course Evaluation*

### Session 12E: Physics Quality Assurance

**Venue:** Research Centre Rm B51

Coordinator: *Dr. Waleed Al-Najjar*; Chairperson: *Mr. Kostas Chantziantoniou*

QA and Dosimetry Equipment for Radiotherapy  
TomoTherapy QA  
CyberKnife QA

*Dr. Konstantin Zakaryan*  
*Ms. Susan Warren*  
*TBA*

*Closing Remarks & Course Evaluation*

### Session 12F: Monte Carlo

**Venue:** RO Conference Room

Coordinator: *Dr. Omar Chibani*; Chairperson: *Dr. Essam Mattar*

Applications of Monte Carlo  
Monte Carlo at KFSH&RC  
Monte Carlo as a Research Tool in Training Medical Physicists

*Dr. Omar Chibani*  
*Mr. Abdullah Al-Kafi*  
*Dr. Nabeel Maalej*

*Closing Remarks & Course Evaluation*

# Scientific Program

# Day 3

Time

Wednesday, 11 March 2009

## Session 12G: The Radiation Oncology Process

Venue: Oncology Conference Room

Coordinator: *Dr. Yasser Khafaga*; Chairperson: *Mr. Refaat Al-Mazrou*

Molecular Image-Guided Radiotherapy  
3D Conformal Radiotherapy  
Patient Set up & Verification Treatment Delivery

*Dr. Mohei Eldin Abouzied*  
*Dr. Ehab Khalil*  
*Mrs. Julie Pickford*

*Closing Remarks & Course Evaluation*

0950 - 1015

## Coffee Break

## SESSION 13: Plenary Lectures

Venue: Prince Salman Auditorium

### Innovative Approaches in Radiotherapy, Part V

Chairpersons: *Dr. Abdalla Al-Haj*, *Dr. Saleh Bamajboor* and *Dr. Suliman Al-Ghamdi*

1015 - 1035

Intra-Operative Electron Radiation Therapy in Breast Cancer

*Dr. Michael Kopp*

1035 - 1055

Radionuclide Therapy

*Prof. M. Gary Sayed*

1055 - 1115

Radiation Oncology in the Kingdom

*Dr. Abdullah Al-Amro*

1115 - 1135

Radiation Safety & Regulations: Patient and Staff Protection in Radiotherapy

*Prof. Michael Evans*

1135 - 1155

Medical Physics Quality Assurance

*Dr. Konstantin Zakaryan*

1155 - 1205

Discussions (All panelists)

1205 - 1400

## Closing Ceremony & Certificate Distribution

Venue: Prince Salman Auditorium

## Lunch Break and Prayer

Venue: Al-Ma'ather Cave Park

1400 - 1700

## SESSION 14: Workshops, Part I

IMRT/IGRT TomoTherapy

Venue: T6, TPS5

Coordinator: *Prof. Michael Evans*

Instructors: *Ms. Susan Warren*, *Ms. Susan Reid*, *Prof. Michael Evans*, *Dr. Naser Al-Rajhi*,  
*Dr. Medhat El-Sebaie* and *Mr. Abdullah Al-Kafi*

IMRT/IGRT RapidArc

Venue: T2, TPS1

Coordinator: *Dr. Waleed Al-Najjar*

Instructors: *Dr. Waleed Al-Najjar*, *Mr. Ahmed Nobah*, *Ms. Paula Yates*, *Mrs. Julie Pickford* and  
*Mrs. Ghadeer Nazer*

SRS CyberKnife

Venue: T5, TPS-SRS

Coordinator: *Dr. Tarek El-Kaissi*

Instructors: *Dr. Tarek El-Kaissi*, *Dr. Adnan Al-Hebshi* and *Mr. Joe Poon*

High/Low Dose Rate Brachytherapy

Venue: T1, LDRB, TPS2

Coordinator: *Dr. Zeinab El-Taher Hassan*

Instructors: *Prof. Michael Evans*, *Dr. Zeinab El-Taher Hassan* and *Dr. Khalid Balaraj*

Medical Physics Quality Assurance

Venue: T3

Coordinator: *Mr. Fareed Mayhoub*

Instructors: *Dr. Konstantin Zakaryan*, *Mr. Fareed Mayhoub* and *Ms. Sarah Ashmeg*

## Scientific Program

## Day 3

Time

Wednesday, 11 March 2009

### SESSION 14: Workshops, Part I

Monte Carlo Treatment Planning

**Venue:** TPS-MC

Coordinator: *Dr. Omar Chibani*

Instructors: *Prof. Charlie Ma, Dr. Omar Chibani and Dr. Nabil Maalej*

The Radiation Oncology Process

**Venue:** T4, RO Conference Rm

Coordinator: *Mr. Michael Lim*

Instructors: *Dr. Yasser Khafaga, Dr. Omer Demirkaya, Mr. Michael Lim, Dr. Ehab Khalil, Ms. Sandra Smith and Mrs. Wedyan Safar*

1930

Bus pick-up from New Oncology Building Entrance to Novotel Hotel

2000 - 2200

**Evening Presentation & Dinner**

**Sponsored by:** IBA Particle Therapy

## Scientific Program

## Day 4

Thursday, 12 March 2009

0800 - 1200

### SESSION 15: Workshops, Part II

IMRT/IGRT TomoTherapy

**Venue:** T6, TPS5

Coordinator: *Prof. Michael Evans*

Instructors: *Ms. Susan Warren, Ms. Susan Reid, Prof. Michael Evans, Dr. Naser Al-Rajhi, Dr. Medhat El-Sebaire and Mr. Abdullah Al-Kafi*

IMRT/IGRT RapidArc

**Venue:** T2, TPS1

Coordinator: *Dr. Waleed Al-Najjar*

Instructors: *Dr. Waleed Al-Najjar, Mr. Ahmed Nobah, Ms. Paula Yates, Mrs. Julie Pickford and Mrs. Ghadeer Nazer*

SRS CyberKnife

**Venue:** T5, TPS-SRS

Coordinator: *Dr. Tarek El-Kaissi*

Instructors: *Dr. Tarek El-Kaissi, Dr. Adnan Al-Hebshi and Mr. Joe Poon*

High/Low Dose Rate Brachytherapy

**Venue:** T1, LDRB, TPS2

Coordinator: *Dr. Zeinab El-Taher Hassan*

Instructors: *Prof. Michael Evans, Dr. Zeinab El-Taher Hassan and Dr. Khalid Balaraj*

Medical Physics Quality Assurance

**Venue:** T3

Coordinator: *Mr. Fareed Mayhoub*

Instructors: *Dr. Konstantin Zakaryan, Mr. Fareed Mayhoub and Ms. Sarah Ashmeg*

Monte Carlo Treatment Planning

**Venue:** TPS-MC

Coordinator: *Dr. Omar Chibani*

Instructors: *Prof. Charlie Ma, Dr. Omar Chibani and Dr. Nabil Maalej*

The Radiation Oncology Process

**Venue:** T4, RO Conference Rm

Coordinator: *Mr. Michael Lim*

Instructors: *Dr. Yasser Khafaga, Dr. Omer Demirkaya, Mr. Michael Lim, Dr. Ehab Khalil, Ms. Sandra Smith and Mrs. Wedyan Safar*

1200

**Lunch and Prayer**

**Venue:** Prince Salman Auditorium Foyer