



UNDERSTANDING I M A G E G U I D E D R A D I O T H E R A P Y T E N S I T Y M O D U L A T E D R A D I O T H E R A P Y WORKSHOP





5th - 7th May 2015

Venue:

Main Auditorium Institut Kanser Negara

Jointly Organized by

Department of Radiotherapy & Oncology Institut Kanser Negara



Kesora

Kelab Kebajikan & Sosial Radiotherapy & Oncology Department Institut Kanser Negara

Speaker's Profile



Dr. Alvaro Martinez
Senior VP of Scientific and Clinical Strategy
Michigan Healthcare Professional, 21st Century Oncology

For two decades, Dr. Alvaro Martinez has pioneered several cancer treatments in Radiation Oncology leading to the significant improvement of today's Radiation Therapy outcomes. These include Intensity Modulated Radiation Therapy (IMRT) and Image Guided Radiation Therapy (IGRT) to improve precision and accuracy in radiation treatment delivery, special applicators used to treat prostate, gynaecological and other pelvic malignancies to preserve organ function as well as Omnibeam, which is designed for treating very difficult tumors deep within the body.



Dr. Tony Wong
Director, Medical Physics and Dosimetry,
Seattle Cancer Care Alliances, Proton Therapy Center

Dr. Tony Wong is the Director of Medical Physics and Dosimetry at the Seattle Cancer Care Alliances. He has a PhD in Physics from RMIT University, Australia and is certified in therapeutic physics by the American Board of Radiology (ABR) and the Australasian College of Physical Scientists and Engineers in Medicine. He is a member of the American Association of Physicists in Medicine (AAPM), the American Society of Therapeutic Radiology & Oncology (ASTRO) and the Australasian College of Physical Scientists and Engineers in Medicine. Tony started his medical physicist career in 1988 and was the Chief Physicist at the Austin Medical Center in Melbourne, Australia before he was recruited by the William Beaumont Hospital in Michigan, USA in 2001. Tony has over 70 published articles and conference presentations in radiation oncology physics and also has a book chapter in image-guided radiation therapy. His current clinical and research interests are in image-guided radiation therapy and volumetric modulated arc therapy.

Tentative Programme						
Date/Time	Course	Speaker	Venue			
Day 1 (5/5/20:	Day 1 (5/5/2015)					
8:00-8:30	Registration		Auditorium			
8.30-8.45	Welcome and introduction					
8.45-9.15	Clinical outcomes, why use IMRT & IGRT	AM				
9.15-9.45	General Principles of Head & Neck Cancer Management	AM				
	Imaging and Outlining	·				
9.45-10.25	Outlining the GTV	AM				
10.25-11.00	GTV to CTV, plus OARs	AM				
11.00-11.20	Coffee					
	Geometric Uncertainty					
11.20-12.00	Errors, margins, PTV and PRV	TW				
12.00-12.40	Set up accuracy	TW				
12:40-2:00	Lunch					
IMRT						
2.00-2.30	Understanding and management of organ motion on H/N cancer	AM				
2.30-3.00	Objective function for IMRT	TW				
3.30-4.00	IMRT Treatment planning	TW				
4.00-4.30	IMRT Plan evaluation	TW				
4.30-5.00	IMRT QA	TW				

Day 2 (6/5/2015)					
	IGRT				
9.00-9.30	Introduction to IGRT TW				
9.30-10.00	Concomitant dose in IGRT AM				
10.00-10.30	Practicality of IGRT on the linac TW				
10.30-11.00	Coffee break	Coffee break			
11.00-11.30	The effect of image guidance on TCP TW				
11.30-12.00	The effect of IGRT on PTV margins TW]		
12.00-12.30	Motion management TW]		
12.30-1.00	Quality Assurance in an Image-Guided Era TW				
1.00-2.00	Lunch]		
2.00-2.30	Issues in Radical Radiotherapy for Head & Neck Cancer AM]		
2.30-3.00	Anatomy and Contour Guidelines AM]		
3:00-3:30	Margin design	TW]		
3:30-5:00	Practical Session: Image registration for Head & Neck Cancer	AM	LINAC		

Day 3 (7/5/2015)					
	IGRT				
9.00-9.30	Strategies and Tactics for IGRT	Strategies and Tactics for IGRT TW			
9.30-10.00	Correction Strategies for Guidance	Correction Strategies for Guidance TW			
10.00-10.30	Guidance Motion Management – CBCT	Guidance Motion Management – CBCT TW			
10.30-11.00	Coffee break				
11.00-11.30	Machine/image/dosimetric QA TW]		
11.30-12.00	Adaptive radiation therapy TW]		
12.00-12.30	Advanced imaging for target delineation, treatment planning & IGRT TW				
12.30-1.00	General principle for Prostate cancer Management	AM]		
1.00-2.00	Lunch				
2.00-2.30	Issues in Radical Radiotherapy for Prostate Cancer AM]		
2.30-3.00	IGRT and treatment planning in Prostate Cancer	TW			
3.30-5.00	Practical Session: Image registration for Prostate Cancer	AM	LINAC		

REGISTRATION FEES					
Category	Rate (RM)	/			
KKM / University	RM150				
Private Centre (Radiotherapy)	RM200				
*The registration fee is including free-flow coffee and snacks only. Lunch is not provided.					
Closing date: 29 April 2015. Please email or fax the registration form.					

			PARTICIPANT	'S DET	TAILS				
Name									
Designation									
E-mail				F	ax				
Telephone				1)	Mobi	le)			
Payment option	Telegraphic transfer		Local Order			Cheque		Cash	
Correspondence Address :									
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Payment Method: Telegraphic Transfer / Cheque / Local Order / Cash

Payable to: Kelab Kebajikan dan Sosial, Jabatan Radioterapi dan Onkologi, Institut Kanser Negara

(KESORA)

Banker:Bank Islam BerhadAccount number :1601 8010 0207 47Branch:Cawangan Putrajaya

CONTACT SECRETARIAT Understanding IGRT and IMRT

Radiotherapy and Oncology Department, Level 1

Institut Kanser Negara

Pusat Pentadbiran Kerajaan Persekutuan, Presint 7 62250, Wilayah Persekutuan Putrajaya

Contact Person 1	Mr. Mohd. Najmi Jahaya @ Yahaya			
Tel	03-8892 5420			
Fax	03-8892 5605			
Email	fzmnajmi@nci.gov.my			
Contact Person 2	Mr. Husain Murat			
Tel	03-8892 5420			
Fax	03-8892 5605			
Email	fzhusain@nci.gov.my			
Contact Person 3	Mrs.Siti Hajar Abdul Rahman			
Tel	03-8892 5555 (1328/1330)			
Fax	03-8892 5605			
Email	fzsitihajar@nci.gov.my			