

International Conference on Advances in Radiation Oncology #ICARO2

Tuesday 20 June 2017 - Friday 23 June 2017

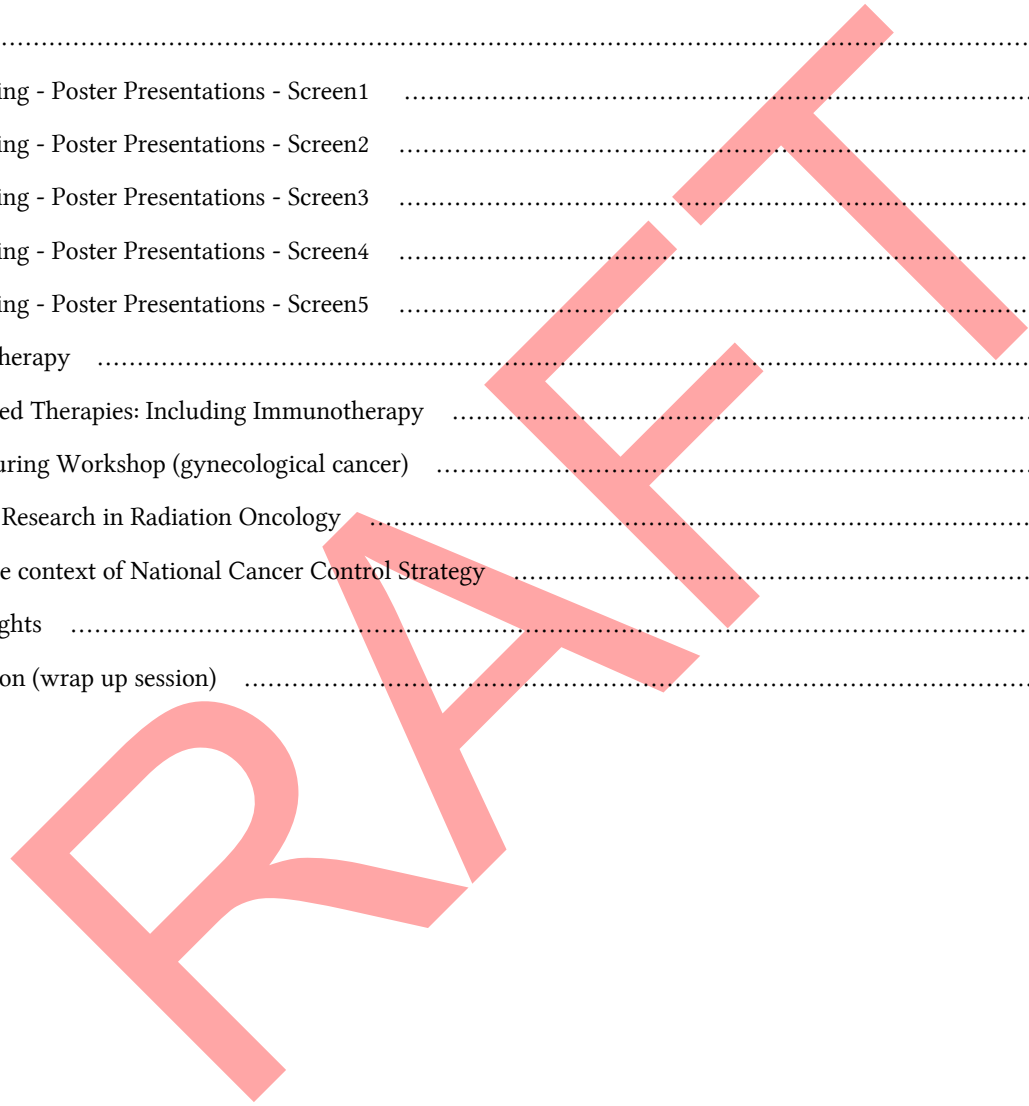
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Tuesday 20 June 2017

Registration (07:30-09:00)

Opening ceremony (09:00-09:30)

time	title	presenter
09:00		
09:05		
09:10		
09:15		
09:20		

KL - From ICARO-1 to ICARO-2 - M03 (09:30-10:30)

Learning objectives:

- 1. To know the advances in radiation oncology since ICARO1 (2009)*
- 2. To understand the challenges in the field of radiation oncology in the near future*

- Chairs: Dr. Abdel-Wahab, May; Dr. Zubizarreta, Eduardo; Dr. Ibbott, Geoffrey

time	title	presenter
09:30	Introductory remarks (00h10')	ABDEL-WAHAB, May
09:40	From ICARO1 to ICARO2: the radiation oncologist perspective (00h20')	ROSENBLATT, Eduardo
10:00	From ICARO1 to ICARO2: the medical physicist perspective (00h20')	IBBOTT, Geoffrey
10:20	Concluding remarks (00h10')	ZUBIZARRETA, Eduardo

Tuesday morning - Poster Presentations - Screen1 - (10:30-11:00)

- Chairs: Mr. Belyakov, Oleg

Tuesday morning - Poster Presentations - Screen2 - (10:30-11:00)

- Chairs: Mr. Belyakov, Oleg

Tuesday morning - Poster Presentations - Screen3 - (10:30-11:00)

- Chairs: Mr. Belyakov, Oleg

Tuesday morning - Poster Presentations - Screen4 - (10:30-11:00)

- Chairs: Mr. Belyakov, Oleg

Tuesday morning - Poster Presentations - Screen5 - (10:30-11:00)

- Chairs: Mr. Belyakov, Oleg

PD - Global cancer challenges and role of RT (11:00-12:30)

Learning objectives:

- 1. To identify the more relevant challenges in global cancer management**
- 2. To identify the role of radiotherapy in the global management of cancer**

- Chairs: Dr. Gospodarowicz, Mary; Dr. Zubizarreta, Eduardo

time	title	presenter
11:00	Introductory remarks (00h05')	ZUBIZARRETA, Eduardo
11:05		
11:10		
11:15		
11:20		
11:25		
12:25	Concluding remarks (00h05')	ZUBIZARRETA, Eduardo

CW - Contouring Workshop (Lung cancer) (12:30-14:00)

Learning objectives:

- 1. To learn how to contour the GTV and CTV in lung cancer**
- 2. To learn how to contour OAR in lung cancer**

- Chairs: Dr. Loo, Billy

time	title	presenter
12:30	ASTRO on contouring lung cancer (01h30')	HU, Kenneth

LS - Industry Lunch Symposium: Technologies in External Beam Radiotherapy (12:30-14:00)

LS - Paediatric RT (12:30-14:00)

1. To understand the particularities of pediatric radiotherapy
2. To learn how to implement a pediatric radiotherapy programme

- Chairs: Prof. ANACAK, YAVUZ

time	title	presenter
12:30	Introductory remarks (00h05')	ANACAK, YAVUZ
12:35	Lecture - 1 (00h20')	ZAGHLOUL, Mohamed
12:55	Lecture - 2 (00h20')	VILLAR, Rosangela
13:15	Paediatric intraoperative electron radiotherapy: results and innovations (00h20')	CALVO, Felipe
13:35	Discussion, QA (00h20')	
13:55	Concluding remarks (00h05')	ANACAK, YAVUZ

PD - Requirements for safe and effective transition to new technologies/appropriate technologies (14:00-15:00)

Learning objectives:

1. To discuss the need for a transition to new technologies
2. To identify the basic requirements to make this transition safe and effective

- Chairs: Prof. Scalliet, Pierre; Dr. van der Merwe, Debbie; Dr. Gilley, Debbie

time	title	presenter
14:00	Introductory remarks (00h05')	GILLEY, Debbie
14:05	Panelist - 1 (00h05')	SCALLIET, Pierre
14:10	Panelist - 2 (00h05')	VAN DYK, Jacob
14:15	Panelist - 3 (00h05')	VAN DER MERWE, Debbie
14:20	Panelist - 4 (00h05')	COFFEY, Mary
14:25	Discussion (00h30')	
14:55	Concluding remarks (00h05')	GILLEY, Debbie

KL - Health economics (of cancer) (15:00-15:30)

Learning objectives:

1. To understand the basics of health economics of cancer

- Chairs: Dr. Jaffray, David; Dr. Zubizarreta, Eduardo

time	title	presenter
15:00	Introductory remarks (00h05')	JAFFRAY, David
15:05	Conference (00h20')	LIEVENS, Yolande
15:25	Concluding remarks (00h05')	ZUBIZARRETA, Eduardo

Tuesday afternoon - Poster Presentations - Screen1 - (15:30-16:00)

- Chairs: Mr. Belyakov, Oleg

Tuesday afternoon - Poster Presentations - Screen2 - (15:30-16:00)

- Chairs: Mr. Belyakov, Oleg

Tuesday afternoon - Poster Presentations - Screen3 - (15:30-16:00)

- Chairs: Mr. Belyakov, Oleg

Tuesday afternoon - Poster Presentations - Screen4 - (15:30-16:00)

- Chairs: Mr. Belyakov, Oleg

Tuesday afternoon - Poster Presentations - Screen5 - (15:30-16:00)

- Chairs: Mr. Belyakov, Oleg

PP - Education and training: Including staffing, HRH? (16:00-18:02)***Learning objectives:***

- 1. Compare national and international challenges in education and training of radiotherapy professionals**
- 2. Discuss solutions and perspectives of education and training of radiotherapy professionals**
- 3. Analyse the role of technology in education and training and professional development**

- Chairs: Mrs. Coffey, Mary; Mr. Potter, Richard; Mr. Belyakov, Oleg; Loreti, Giorgia

time	title	presenter
16:00	Introductory remarks (00h05')	COFFEY, Mary
16:06	IAEA Education and Training activities in Radiotherapy (00h10')	LORETI, Giorgia
16:17	ICTP, TRIESTE UNIVERSITY, ITALIAN AND CROATIAN MEDICAL PHYSICS: A TRAINING OPPORTUNITY FOR YOUNG PHYSICISTS FROM DEVELOPING COUNTRIES (00h10')	PADOVANI, Renato
16:28	Accreditation of Education and Professional Standards of Medical Physicists (00h10')	CHEUNG, Kin Yin
16:39	ESTRO - School (00h10')	POTTER, Richard
16:50	Addressing Global Radiation Medicine Human Resource Gaps Through Educational Innovation (00h10')	GIULIANI, Meredith
17:01	Implementation of the Brazil's National Training Program for Radiotherapy Technicians - Preliminary results (00h10')	FURQUIM, Tania
17:12	COMPETENCY-BASED EDUCATION OF RTT'S IN ROMANIA: CHANGING THE PARADIGM TO PREPARE THE FUTURE (00h10')	CERNEA, Ioan Valentin
17:23	Competency based education and training in radiation oncology (00h10')	SCANDERBEG, Daniel
17:34	International Radiotherapy Plan Competition: A step towards better planning and global transfer of knowledge (00h10')	NOBAH, Ahmad
17:44	Conclusions and Q&A (00h16')	LORETI, Giorgia

Wednesday 21 June 2017

Radiotherapy Plan Competition Initiative (07:30-09:00)

- Chairs: Dr. Nobah, Ahmad; Loreti, Giorgia

time	title	presenter
07:30	Introductory remarks (00h05')	LORETI, Giorgia
07:35	Presentation of the initiative (00h20')	NOBAH, Ahmad
07:55	Prizes (00h20')	LORETI, Giorgia

TL - From GTV to PTV (TBC) - M1 (07:30-09:00)

Learning objectives:

- 1. To understand the basic ICRU concepts in volume definition**
- 2. To learn about the various methods for volume delineation**

- Chairs: Mr. Polo, Alfredo; Dr. Jornet, Nuria

time	title	presenter
07:30	Introductory remarks (00h05')	POLO, Alfredo
07:35	Revisiting ICRU volume definitions (00h20')	ROSENBLATT, Eduardo
07:55	How to incorporate clinical information and natural tumor history in CTV definition (00h20')	HU, Kenneth
08:15	ITV and PTV margins in the IGRT era (00h20')	STROOM, Joep
08:35	Autoplanning in the IGRT era (00h20')	HEIJMEN, Ben
08:55	Concluding remarks (00h05')	JORNET, Nuria

TL - Small field dosimetry (07:30-09:00)

Learning objective:

- 1. Learn about the new IAEA/AAPM small field Code of Practice**

- Chairs: Dr. Christaki, Karen

time	title	presenter
07:30	Physics of small fields (00h25')	ANDREO, Pedro
07:55	Small field Code of Practice (00h25')	PALMANS, Hugo
08:20	Implementation of the small field Code of Practice in the clinic (00h25')	HUQ, MOHAMMED
08:45	Questions & Answers (00h15')	

PP - Breast and Cervix (09:00-10:30)

Learning objectives:

- 1. To learn latest developments in radiotherapy for breast cancer**
- 2. To learn latest developments in radiotherapy for cervix cancer**

- Chairs: Dr. Fidarova, Elena; Mr. Healy, Brendan; Dr. Hanna, Gerry; Dr. Potter, Richard

time	title	presenter
09:00	Introductory remarks (00h05')	FIDAROVA, Elena
09:05	Review Breast (00h15')	HANNA, Gerry
09:20	Left breast radiation therapy - institutional analysis of doses to heart and LAD (00h10')	PETROVIC, Borislava
09:30	"Hybrid" 3D/VMAT technique for irradiation of patients with breast cancer and unfavorable anatomy. Preliminary dosimetric study. (00h10')	HADDAD, Cecilia Maria Kalil
09:40	Review cervix (00h15')	POTTER, Richard
09:55	Nodal doses during image-guided adaptive brachytherapy for cervical cancer and implication to simultaneous integrated boost (00h10')	BACORRO, Warren
10:05	Dose-volume effects in pathologic lymph nodes in cervical cancer (00h10')	BACORRO, Warren
10:15	QA and concluding remarks (00h15')	HEALY, Brendan

PP - Small field dosimetry (09:00-10:30)

Learning objectives:

- 1. Review the ICRU small field dosimetry activities***
- 2. Implementation of small field dosimetry in the clinic***

- Chairs: Dr. Christaki, Karen

time	title	presenter
09:00	Brief summary of IAEA/AAPM small field Code of Practice (00h10')	HUQ, MOHAMMED
09:10	Review the ICRU small field dosimetry activities (00h20')	SEUNTJENS, Jan
09:30	Initial Experiences in Testing The IAEA/AAPM Code of Practice on Small Field Dosimetry (00h10')	LECHNER, Wolfgang
09:40	Application of output correction factors for three small beam radiation detectors: comparison of results for a TrueBeam Stx linac (00h10')	LARRAGA-GUTIERREZ, JOSE MANUEL
09:50	Application of the PTW microDiamond in small field dosimetry on different accelerators: Comparative measurements and Monte Carlo calculations (00h10')	PIMPINELLA, Maria
10:00	Monte Carlo calculated correction factors for nine detectors in Leksell Gamma Knife Perfexion unit (00h10')	MIRZAKHANIAN, Lalageh
10:10	Influence of detector specific correction factors in dose distributions for small photon beams (00h10')	LARRAGA-GUTIERREZ, JOSE MANUEL
10:20	Nationwide audit of small fields output calculations in Poland (00h10')	BULSKI, Wojciech

ICEC (09:01-10:30)

Closed meeting

- Chairs: Dr. Coleman, Norman

Wednesday morning - Poster Presentations - Screen1 - (10:30-11:00)

- Chairs: Mr. Belyakov, Oleg

Wednesday morning - Poster Presentations - Screen2 - (10:30-11:00)

- Chairs: Mr. Belyakov, Oleg

Wednesday morning - Poster Presentations - Screen3 - (10:30-11:00)

- Chairs: Mr. Belyakov, Oleg

Wednesday morning - Poster Presentations - Screen4 - (10:30-11:00)

- Chairs: Mr. Belyakov, Oleg

Wednesday morning - Poster Presentations - Screen5 (10:30-11:00)

- Chairs: Mr. Belyakov, Oleg

KL - Personalized radiotherapy (11:00-11:45)

Learning objectives:

- 1. To understand the concept and limits of personalized radiotherapy**
- 2. To learn the components of personalized radiotherapy**

- Chairs: Dr. Hopkins, Kirsten; Dr. Lara, Pedro

time	title	presenter
11:00	Introductory remarks (00h05')	LARA, Pedro
11:05	Lecture (00h25')	BENTZEN, Soren
11:30	Discussion, QA (00h10')	
11:40	Concluding remarks (00h05')	HOPKINS, Kirsten

PP - Quality in Radiotherapy: various dimensions - (11:00-12:30)

LEARNING OBJECTIVES:

- 1. To review various quality dimensions in radiotherapy**
- 2. To discuss the role of quality audits in radiotherapy.**

- Chairs: Dr. Izewska, Joanna; Dr. Jornet, Nuria

time	title	presenter
11:00	Introductory remarks (00h05')	IZEWSKA, Joanna
11:05	Global Harmonization Efforts in RT QA (00h10')	KRY, S
11:15	IAEA experiences with QUATRO audits (00h15')	IZEWSKA, Joanna
11:30	Quality Assurance Team for Radiation Oncology (QUATRO): The National Center for Cancer Care & Research (NCCCR) experience (00h10')	HAMMOUD, Rabih

11:40	Quality Assurance Team for Radiation Oncology (QUATRO) audit to the Institute of Oncology and Radiology of Serbia: example of good impact on the development of radiotherapy in the institution (00h10')	STOJANOVIC-RUNDIC, Suzana
11:50	Moving a large and complex radiotherapy department: a medical physics perspective (00h10')	KRON, Tomas
12:00	IT safety requirements in the Radiation Therapy field: risks and solutions all over the process (00h10')	COEVOET, Maxime
12:10	Cost-effective public procurements of equipment for radiotherapy: starting point of patient's safety (00h10')	CASAR, Božidar
12:20	Quality of Radiotherapy Services in post-Soviet countries: an IAEA survey (00h10')	ROSENBLATT, Eduardo

KL - Toward a radical treatment of oligometastases (11:45-12:30)

Learning objectives:

- 1. Discuss the clinical evidence for treating oligometastases in lung***
- 2. Examine the challenges faced in the target definition and treatment of oligometastases***

- Chairs: Dr. Hopkins, Kirsten; Dr. Christaki, Karen; Dr. Calvo, Felipe

time	title	presenter
11:45	Introduction to the treatment of Oligometastases (00h05')	CALVO, Felipe
11:50	Imaging and treatment delivery from a Medical Physics perspective. (00h15')	HUQ, MOHAMMED POLI, Gianluca
12:05	Treatment delivery and clinical evidence for the treatment of oligometastases (00h15')	HANNA, Jerry
12:20	Discussion and QA (00h10')	

CW - Contouring Workshop (Head and neck cancer) (12:30-14:00)

Learning objectives:

- 1. To learn how to contour the GTV and CTV in head and neck cancer***
- 2. To learn how to contour OAR in head and neck cancer***

- Chairs: Dr. Hu, Kenneth

time	title	presenter
12:30	ASTRO on H&N cancer (01h30')	HU, Kenneth

LS - Industry Lunch Symposium: Building a paperless RT department - challenges (12:30-14:00)

LS - Industry Lunch Symposium: Image-Guided Brachytherapy (12:30-14:00)**PD - Access to high quality care: Challenges and possible solutions for LMIC (14:00-15:00)*****Learning objectives:***

- 1. To identify the problems to access high quality care in LMIC***
- 2. To learn about the possible solutions to the problem of access***

- Chairs: Dr. Fidarova, Elena; Dr. Christaki, Karen; Dr. Mackillop, William

time	title	presenter
14:00	Introductory remarks (00h05')	MACKILLOP, William
14:05	Panelist - 1 (00h05')	LISHIMPI, Kennedy
14:10	Panelist - 2 (00h05')	
14:15	Panelist - 3 (00h05')	
14:20	Panelist - 4 (00h05')	ANACAK, YAVUZ
14:25	Discussion (00h30')	
14:55	Concluding remarks (00h05')	CHRISTAKI, Karen

PD - The role of professional societies and international organizations (14:00-15:30)***Learning objectives:***

- 1. To understand the role of professional societies in the global health agenda***
- 2. To identify opportunities for professional development***

- Chairs: Nakano, Takashi; Mr. Polo, Alfredo; Dr. Zubizarreta, Eduardo

time	title	presenter
14:00	Introduction to the session (00h05')	
14:05	ESTRO (00h10')	LIEVENS, Yolande
14:15	ALATRO (00h10')	MARSIGLIA, Hugo
14:25	JASTRO (00h10')	NAKANO, Takashi
14:35	FARO (00h10')	GONDHOWIARDJO, Soehartati
14:45	ASTRO (00h10')	HU, Kenneth
14:55	SEAROG (00h10')	CHIN, Francis
15:05	ABS (00h10')	GROVER, Surbhi
15:15	UICC (00h10')	GOSPODAROWICZ, Mary
15:25	AFROG (00h05')	

PS - Imaging for planning and treatment delivery (15:00-15:30)

Learning objectives:

1. To learn about the imaging modalities available for planning and treatment delivery

- Chairs: Mr. Healy, Brendan; Dr. Prasad, Rajiv

time	title	presenter
15:00	Introductory remarks (00h05')	GEORG, Dietmar
15:05	Imaging (TBD) (00h20')	KRON, Thomas
15:25	QA and concluding remarks (00h05')	HEALY, Brendan

Wednesday afternoon - Poster Presentations - Screen1 - (15:30-16:00)

- Chairs: Mr. Belyakov, Oleg

Wednesday afternoon - Poster Presentations - Screen2 - (15:30-16:00)

- Chairs: Mr. Belyakov, Oleg

Wednesday afternoon - Poster Presentations - Screen3 - (15:30-16:00)

- Chairs: Mr. Belyakov, Oleg

Wednesday afternoon - Poster Presentations - Screen4 - (15:30-16:00)

- Chairs: Mr. Belyakov, Oleg

Wednesday afternoon - Poster Presentations - Screen5 - (15:30-16:00)

- Chairs: Mr. Belyakov, Oleg

PP - Imaging for planning and treatment delivery (16:00-17:50)**Learning objectives:****1. To learn about the imaging modalities available for planning and treatment delivery**

- Chairs: Mr. Healy, Brendan; Dr. Prasad, Rajiv

time	title	presenter
16:00	Introductory remarks (00h05')	
16:05	TBD (00h30')	HANNA, Gerry
16:35	TBD (00h30')	LEECH, Michelle
17:05	IMAGE REGISTRATION METHODOLOGY TO QUANTIFY ROIs' VOLUME TRANSFORM ACCURACY (00h05')	VELEZ, Graciela R.
17:10	Feasibility of prompt gamma imaging for passive-scatter proton radiotherapy treatments (00h10')	JEYASUGITHTHAN, Jeyasingam
17:20	Digital Portal Imaging in Cobalt-60 Radiation Therapy (00h10')	SCHREINER, L. John
17:30	Discussion, QA (00h15')	
17:45	Concluding remarks (00h05')	HEALY, Brendan

PD - The Role of professional societies and international organizations - 2 (16:01-17:50)

- Chairs: Prof. Van Dyk, Jacob; Mr. Healy, Brendan

time	title	presenter
16:01	Introductory remarks (00h04')	VAN DYK, Jake
16:05	IARC (00h10')	SANKARANARAYAN, Rengaswamy
16:15	ICEC (00h10')	COLEMAN, Norman
16:25	ESTRO (Physics) (00h10')	JORNET, Nuria
16:35	AAPM (00h10')	HUQ, MOHAMMED
16:45	ALFIM (00h10')	ALFONSO, Rodolfo
16:55	IOMP (00h10')	CHEUNG, Kin Yin
17:05	FAMPO (00h05')	SEDDIK, Ahmed
17:10	EFOMP (00h10')	
17:20	MPWB (00h10')	VAN DYK, Jacob
17:30	IMPCB (00h10')	KRON, Tomas

Thursday 22 June 2017

Demo session - Full automation in radiotehrapy (07:30-09:00)

TL - Past, present and future of brachytherapy (07:30-09:00)

Learning objective:

1. To learn the basic clinical indications for brachytherapy, and its role in modern radiation oncology

- Chairs: Mr. Polo, Alfredo; Mr. Bokulic, Tomislav

time	title	presenter
07:30	Introduction to brachytherapy, history, and indications (00h30')	HAIE-MEDER, Christine
08:00	Image-guided brachytherapy in cervical cancer – Clinical aspects (00h30')	RICHARD, Potter
08:30	Image guided adaptive brachytherapy (in cervix cancer) – Physical aspects (00h30')	KIRISITS, Christian

TL - QA for modern RT techniques (07:30-09:00)

Learning objectives:

1. To review the Quality management for modern technologies.

2. To discuss the role of RO, MP and RTT in QA.

- Chairs: Dr. Christaki, Karen; Dr. Prasad, Rajiv

time	title	presenter
07:30	Introduction (00h05')	GEORG, Dietmar
07:35	Need for QA system. (00h17')	HUQ, MOHAMMED
07:52	Organising QA management in a radiotherapy department-Involvement of different professions (00h17')	SCALLIET, Pierre
08:09	Looking at whole department workflows and evaluate potential issues (00h17')	FORD, Eric
08:26	QA developments with examples to modern techniques (00h17')	IBBOTT, Geoffrey
08:43	QA (00h17')	

PP - Prostate - H&N (09:00-10:30)

Learning objectives:

1. To learn the latest developments in radiotherapy for prostate cancer

2. To learn the latest developments in radiotherapy for head and neck cancer

- Chairs: Dr. Prasad, Rajiv; Mr. Healy, Brendan; Dr. Abdel-Wahab, May

time	title	presenter
09:00	Introduction (00h05')	ABDEL-WAHAB, May
09:05	Prostate (00h20')	ROACH, Mack

09:25	Carbon Ion Radiotherapy for Prostate Cancer; a nationwide survey of the Japan Carbon-ion Radiation Oncology Study Group (J-CROS 1501) (00h10')	KAWAMURA, Hidemasa
09:45	H&N (00h20')	HU, Kenneth
10:05	Treatment of Head and Neck cancers with modulated radiation at an Indian Centre (00h10')	KATARIA, TEJINDER
10:15	Matrix Metalloproteinase I (MMP-1) Levels as a Predictive Marker of Oral Mucositis Severity Among Head And Neck Carcinoma Patients Undergoing Radiotherapy (00h10')	FLORES, Jerickson Abbie
10:25	QA and concluding remarks (00h05')	

PP - QA from simulation to delivery (09:00-10:30)

Learning objectives:

- 1. To review quality assurance in radiotherapy physics.**
- 2. To discuss the role of dosimetry audits.**

- Chairs: Dr. Izewska, Joanna; Dr. Followill, David

time	title	presenter
09:00	Dosimetry audits in radiotherapy: IAEA perspective (00h15')	IZEWSKA, Joanna
09:15	IROC-Houston ...(title to TBD) (00h15')	FOLLOWILL, David
09:30	ESTRO on modern technology audits (title TBD) (00h15')	CLARK, Catherine
09:45	Verification of treatment plan quality for advanced radiotherapy techniques (title TBD) (00h15')	JORNET, Nuria
10:00	Polymer gel dosimetry: a promising 3D quality assurance tool for magnetic resonance-image guided radiotherapy (00h15')	IBBOTT, Geoffrey
10:15	SRS in Tomotherapy: What we gain, what we lose comparing to Linac based SRS? (00h15')	LOPES, MARIA DO CARMO

Thursday morning - Poster Presentations - Screen1 (10:30-11:00)

- Chairs: Mr. Belyakov, Oleg

Thursday morning - Poster Presentations - Screen2 (10:30-11:00)

- Chairs: Mr. Belyakov, Oleg

Thursday morning - Poster Presentations - Screen3 (10:30-11:00)

- Chairs: Mr. Belyakov, Oleg

Thursday morning - Poster Presentations - Screen4 (10:30-11:00)

- Chairs: Mr. Belyakov, Oleg

Thursday morning - Poster Presentations - Screen5 (10:30-11:00)

- Chairs: Mr. Belyakov, Oleg

PD - Practical implementation of new technologies in LMIC (11:00-12:00)***Learning objectives:***

- 1. To understand the practical problems when implementing new technologies in LMIC**
- 2. To identify the steps required in implementing new radiotherapy services**

- Chairs: Dr. Fidarova, Elena; Mr. Healy, Brendan; Prof. Van Dyk, Jacob

time	title	presenter
11:00	Introductory remarks (00h05')	VAN DYK, Jacob
11:05	Panelist -1 (00h05')	
11:10	Panelist - 2 (00h05')	
11:15	Panelist - 3 (00h05')	GONDHOWIARDJO, Soehartati
11:20	Discussion (00h35')	
11:55	Concluding remarks (00h05')	

D - Should IMRT be the standard of care? (12:00-13:00)***Learning objectives:***

- 1. To understand the benefits and limitations of IMRT**
- 2. To learn the challenges for the practical implementation of IMRT**

- Chairs: Dr. Zubizarreta, Eduardo; Dr. van der Merwe, Debbie

time	title	presenter
12:00	Introductory remarks (00h05')	ZUBIZARRETA, Eduardo
12:05	Pro - RO (00h05')	SCALLIET, Pierre
12:10	Con - RO (00h05')	VIKRAM, B
12:15	Pro - MP (00h05')	HEIJMEN, Ben
12:20	Con - MP (00h05')	VAN DER MERWE, Debbie
12:25	Discussion (00h30')	
12:55	Concluding remarks (00h05')	

CW - Contouring Workshop (Breast cancer) (13:00-14:30)***Learning objectives:***

- 1. To learn how to contour the GTV and CTV in breastcancer**
- 2. To learn how to contour OAR in breast cancer**

- Chairs: Dr. Rivera, Sofia

time	title	presenter
13:00	ESTRO on contouring breast cancer (01h30')	RIVERA, Sofia

LS - Industry Lunch Symposium: Motion Management in External Beam Radiotherapy **(13:00-14:30)**

LS - Telemedicine (13:00-14:30)

Learning objectives:

- 1. To review the scope of telemedicine in radiotherapy**
- 2. To discuss feasibility of telemedicine in the field of radiotherapy in low and middle income countries.**

- Chairs: Dr. Prasad, Rajiv; Dr. Rosenblatt, Eduardo

time	title	presenter
13:00	Scope of telemedicine in the context of radiotherapy (00h15')	COLEMAN, Norman
13:15	AFRONET experience (00h15')	ZAGHLOUL, Mohamed
13:30	Chart round experience (00h15')	HARDENBERGH, Patricia
13:45	TBC (00h15')	
14:00	Discussion and QA (00h30')	

PD - Future Trends in Radiotherapy (14:30-15:30)

Learning objectives:

- 1. To learn the latest developments in radiotherapy**
- 2. To understand the context for the implementation of new developments**

- Chairs: Dr. Prasad, Rajiv; Dr. van der Merwe, Debbie; Dr. Jaffray, David

time	title	presenter
14:30	Introductory remarks (00h05')	JAFFRAY, David
14:35	Panelist - 1 (00h05')	VALENTINI, Vincenzo
14:40	Panelist - 2 (00h05')	VAN DER MERWE, Debbie
14:45	Panelist - 3 (00h05')	HUG, Eugene
14:50	Panelist - 4 (00h05')	KAMADA, Tadashi
14:55	Discussion (00h30')	

15:25	Concluding remarks (00h05')	PRASAD, Rajiv
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Thursday afternoon - Poster Presentations - Screen1 (15:30-16:00)

- Chairs: Mr. Belyakov, Oleg

Thursday afternoon - Poster Presentations - Screen2 (15:30-16:00)

- Chairs: Mr. Belyakov, Oleg

Thursday afternoon - Poster Presentations - Screen3 (15:30-16:00)

- Chairs: Mr. Belyakov, Oleg

Thursday afternoon - Poster Presentations - Screen4 (15:30-16:00)

- Chairs: Mr. Belyakov, Oleg

Thursday afternoon - Poster Presentations - Screen5 (15:30-16:00)

- Chairs: Mr. Belyakov, Oleg

PS - Quality and safety (16:00-18:00)

Learning objectives:

- 1. To review radiotherapy safety prospective and retrospective risk management approaches***
- 2. To discuss the comprehensiveness of current radiotherapy safety approaches in practice***

- Chairs: Mrs. Gilley, Debbie; Mrs. Coffey, Mary

time	title	presenter
16:00	Chair's introduction of session (00h10')	COFFEY, Mary
16:10	Improving quality and safety using the TG100 approach (00h20')	HUQ, MOHAMMED
16:30	What can we learn from incident learning in the US? (00h20')	FORD, Eric
16:50	International perspective on patient safety - the good and the bad - Bonn Call for Action (00h20')	GILLEY, Debbie
17:10	What more do we need to do in radiation safety? (00h20')	DUNSCOMBE, Peter
17:30	Discussion, QA (00h25')	
17:55	Concluding remarks (00h05')	COFFEY, Mary

Friday 23 June 2017

TL - Translational Radiation Biology (07:30-09:00)

Learning objectives:

- 1. To review advances in translational radiation biology.**
- 2. To discuss the role of radiobiological techniques, applied in radiation oncology.**
- 3. To update on Radiobiological Modelling, Risk and Mechanisms in radiation oncology.**

- Chairs: Mr. Belyakov, Oleg

time	title	presenter
07:30	The mechanisms of "deterministic" radiation effects (00h25')	DOERR, Wolfgang
07:55	Radiation Related Effects on the Heart (00h30')	WONDERGEM, Jan
08:25	Radiogenomics (00h25')	BENTZEN, Soren
08:50	Discussion and QA (00h10')	

Introduction to new ICRU report 89 an 91 (07:30-09:00)

Learning objectives:

- 1. To discuss the new ICRU report 89 and 91**
- 2. To understand the physics behind the reports**

- Chairs: Dr. Christaki, Karen

time	title	presenter
07:30	1- ICRU Report 89: Prescribing, Recording, and Reporting Brachytherapy for Cancer of the Cervix (00h30')	KIRISITS, Christian
08:00	2- ICRU Report 91: Prescribing, Recording, and Reporting Stereotactic Treatments with Small Photo Beams (00h30')	HUQ, MOHAMMED
08:30	Discussion and QA (00h30')	CHRISTAKI, Karen

TL - How to evaluate a treatment plan (07:30-09:00)

Learning objectives:

- 1. Discuss different methods and parameters in treatment planning evaluation**
- 2. Compare treatment plan results**

- Chairs: Dr. Christaki, Karen; Dr. Hopkins, Kirsten

time	title	presenter
07:30	Introductory remarks (00h05')	CHRISTAKI, Karen
07:35	Lecture - 1 (00h25')	HUQ, MOHAMMED
08:00	Lecture - 2 (00h25')	HU, Kenneth
08:25	Lecture - 3 (00h25')	LEECH, Michelle
08:50	Concluding remarks (00h10')	HOPKINS, Kirsten

GIRO (09:00-10:30)

- Chairs: Lievens, Yolande; Dr. Zubizarreta, Eduardo

Friday morning - Poster Presentations - Screen1 (10:30-11:00)

- Chairs: Mr. Belyakov, Oleg

Friday morning - Poster Presentations - Screen2 (10:30-11:00)

- Chairs: Mr. Belyakov, Oleg

Friday morning - Poster Presentations - Screen3 (10:30-11:00)

- Chairs: Mr. Belyakov, Oleg

Friday morning - Poster Presentations - Screen4 (10:30-11:00)

- Chairs: Mr. Belyakov, Oleg

Friday morning - Poster Presentations - Screen5 (10:30-11:00)

- Chairs: Mr. Belyakov, Oleg

PP - Brachytherapy (11:00-12:00)***Learning objectives:******1. To learn about the use of brachytherapy in a practical setting***

- Chairs: Dr. Fidarova, Elena; Dr. Rosenblatt, Eduardo

time	title	presenter
11:00	Introductory remarks (00h05')	ROSENBLATT, Eduardo
11:05	HIGH DOSES REGIMES OF HDR BRACHYTHERAPY AT SQUAMOUS CELL CARCINOMA OF THE LIP (00h10')	HOROT, Iryna
11:15	The use of phantom simulation for brachytherapy training and education (00h10')	MEYER, Tyler
11:25	Interfraction variation in the target volume for accelerated partial breast irradiation (APBI) using intraoperative multicatheter interstitial brachytherapy and its dosimetric impact. (00h10')	UPRETI, RITU RAJ
11:35	Realization of the absorbed dose to water for Electronic Brachytherapy X-ray Sources (00h10')	SCHNEIDER, Thorsten
11:45	The results from the ultrasound and IBU-guided brachytherapy planning in locally advanced cervical carcinoma. (00h10')	TITOVICH, Egor
11:55	Concluding remarks (00h05')	FIDAROVA, Elena

PP - Combined Therapies: Including Immunotherapy (11:00-12:00)

Learning objectives:**1. To learn about the use of combined therapies in a practical setting**

- Chairs: Dr. Hopkins, Kirsten; Dr. Lara, Pedro

time	title	presenter
11:00	Introductory remarks (00h05')	LARA, Pedro
11:05	CHEMORADIATION IN HIV POSITIVE PATIENTS WITH FIGO STAGE IIIB CANCER OF THE UTERINE CERVIX. (00h10')	NYAMHUNGA, Albert
11:25	Skin reaction to cetuximab (CMb) as a criterion for treatment selection in patients with locally advanced squamous cell carcinoma of the head and neck (LASCCHN): results of prospective study (00h10')	STROJAN, Primož
11:35	A new multidisciplinary treatment strategy for advanced rectal cancer: a chemo-radiotherapy with a new radio-sensitizer infusion by endoscopic guide. (00h10')	OBATA, Shiro
11:45	Discussion, QA (00h10')	
11:55	Concluding remarks (00h05')	FIDAROVA, Elena

CW - Contouring Workshop (gynecological cancer) (12:00-13:30)**Learning objectives:****1. To learn how to contour the GTV and CTV in gynecological cancer****2. To learn how to contour OAR in gynecological cancer**

- Chairs: Dr. Rivera, Sofia

time	title	presenter
12:00	ESTRO on contouring GYN cancer (01h30')	RIVERA, Sofia

LS - Clinical Research in Radiation Oncology (12:00-13:30)**Learning objectives:****1. To understand the different aspects of clinical research****2. To learn how to implement a clinical research programme**

- Chairs: Dr. Fidarova, Elena; Dr. Christaki, Karen; Dr. Roach, Mack

time	title	presenter
12:00	Introductory remarks (00h10')	ROACH, Mack
12:10	Why research is important (00h15')	BENTZEN, Soren
12:25	Quality in clinical research (00h15')	HEIJMEN, Ben
12:40	Challenges in LMI - the IAEA perspective (00h10')	ABDEL-WAHAB, May
12:50	How to develop your clinical research programme (00h15')	SHRIVASTAVA, Shyam
13:15	Discussion (00h15')	

LS - National Cancer Control Strategies (12:00-13:30)

Learning objectives:

- 1. To identify the key components of national cancer control plans**
- 2. To understand the role of radiotherapy in national cancer control plans**

- Chairs: Dr. Zubizarreta, Eduardo; Dr. Li Bassi, Luca

time	title	presenter
12:00	Introductory remarks (00h05')	LI BASSI, Luca
12:25	Lecture-2 (00h20')	
12:45	Lecture-3 (00h20')	
13:05	Discussion, QA (00h20')	
13:25	Concluding remarks (00h05')	

Poster highlights (13:30-14:30)

- Chairs: Mr. Belyakov, Oleg; Dr. Scalliet, Pierre; Prof. HUQ, MOHAMMED

Closing session (wrap up session) (14:30-15:30)

- Chairs: Dr. Zubizarreta, Eduardo; Prof. Abdel-Wahab, May