

Friday, 4 April 2014 Pre-Meeting Courses

<p>INTERDISCIPLINARY PRE-MEETING COURSE</p> <p>08:45-17:15</p> <p>Intracranial Stereotactic Radiosurgery</p> <p>Course directors: <i>S. Combs (DE)</i> and <i>D. Verellen (BE)</i></p> <p>For more information: http://www.estro.org/congresses-meetings/articles/estro-33-inter-pre-meeting</p>	<p>RADIOBIOLOGY PRE-MEETING COURSE</p> <p>08:45-17:00</p> <p>Current advancements in immunotherapy and radiotherapy</p> <p>Course directors: <i>P. Lambin (NL)</i> and <i>DV Krysko (BE)</i></p> <p>For more information: http://www.estro.org/congresses-meetings/articles/estro-33-radiob-pre-meeting</p>	<p>CLINICAL PRE-MEETING COURSE</p> <p>08:30-17:00</p> <p>Optimal use of radiotherapy and chemotherapy in organ preservation</p> <p>Course directors: <i>C. Roedel (DE)</i> and <i>N. James (UK)</i></p> <p>For more information: http://www.estro.org/congresses-meetings/articles/estro-33-clin-pre-meeting</p>	<p>PHYSICS PRE-MEETING COURSE</p> <p>08:30-17:00</p> <p>Current advancements in treatment planning and optimisation</p> <p>Course directors: <i>M. Alber (DK)</i> and <i>B. Heijmen (NL)</i></p> <p>For more information: http://www.estro.org/congresses-meetings/articles/estro-33-physics-pre-meeting</p>	<p>RTT PRE-MEETING COURSE</p> <p>09:00-17:30</p> <p>Image guided adaptive radiation therapy for RTTs</p> <p>Course directors: <i>A. Boejen (DK)</i> and <i>B. Speleers (BE)</i></p> <p>For more information: http://www.estro.org/congresses-meetings/articles/estro-33-rtt-pre-meeting</p>	<p>CONTOURING WORKSHOPS</p> <p>08:00-10:00 Joint ESTRO – ILROG on Lymphoma Chair: <i>L. Specht (DK)</i> Panellists: <i>S. Terezakis (US)</i> and <i>AK Berthelsen (DK)</i> Administrator: <i>B. De Bari (IT)</i></p> <p>10:30-12:30 Organs at risk Chair: <i>M. Guckenberger (DE)</i> Panellists: <i>S. Rivera (FR)</i> and <i>L. Kepka (PL)</i> Administrator: <i>D. Pasini (IT)</i></p> <p>13:30-15:30 Oesophagus Chair: <i>O. Matzinger (CH)</i> Panellists: <i>M. Hulshof (NL)</i> and <i>T. Rozema (NL)</i> Administrator: <i>D. Pasini (IT)</i></p> <p>16:00-18:00 Rectum Chair: <i>C. Marijnen (NL)</i> Panellists: <i>K. Haustermans (BE)</i> and <i>MA Gambacorta (IT)</i> Administrator: <i>B. De Bari (IT)</i></p>
<p>18:00 – 19:15 Opening Ceremony</p> <p>19:30 Welcome reception</p>					

Contouring workshops are repeated

Saturday, 5 April 2014 from 08:00-10:00 (repeat **Lymphoma**)
Sunday, 6 April 2014 from 08:00-10:00 (repeat **Organs at Risk**)
Monday, 7 April 2014 from 08:00-10:00 (repeat **Oesophagus**)
Tuesday, 8 April 2014 from 08:30-10:30 (repeat **Rectum**)

For more information: <http://www.estro.org/congresses-meetings/articles/estro-33-contouring-workshops>

Saturday, 5 April 2014

INTERDISCIPLINARY	RADIOBIOLOGY	CLINICAL	CLINICAL	BRACHYTHERAPY	PHYSICS	PHYSICS	RTT	
<p>08:00 – 08:40</p> <p>Teaching lecture</p> <p>How to translate new biological concepts into Radiation Oncology</p> <p><i>Speaker: M. Baumann (DE)</i></p>	<p>08:00 – 08:40</p> <p>Teaching lecture</p> <p>Updates on stem cells and radioresistance</p> <p><i>Speaker: J. Rich (US)</i></p>	<p>08:00 – 08:40</p> <p>Teaching lecture</p> <p>Elective nodal irradiation</p> <p><i>Speaker: R. Simcock (UK)</i></p>	<p>08:00 – 08:40</p> <p>Teaching lecture</p> <p>Radiotherapy in testicular cancer: Controversies and developments</p> <p><i>Speaker: H. Schmidberger (DE)</i></p>	<p>08:00 – 08:40</p> <p>Teaching lecture</p> <p>PTV concept in brachytherapy – do we need it?</p> <p><i>Speaker: K. Tanderup (DK)</i></p>	<p>08:00 – 08:40</p> <p>Teaching lecture</p> <p>Modelling normal tissue complications: Is there life beyond LKB and relative seriality models?</p> <p><i>Speaker: L. Strigari (IT)</i></p>	<p>08:00 – 08:40</p> <p>Teaching lecture</p> <p>Applications of DCE-MRI in Radiotherapy</p> <p><i>Speaker: S. Sourbron (UK)</i></p>	<p>08:00 – 08:40</p> <p>Teaching lecture</p> <p>Clinical validation of autocontouring tools</p> <p><i>Speaker: L. Boldrini (IT)</i></p>	
<p>08:45 – 10:00</p> <p>Symposium</p> <p>Vienna school of radiotherapy and its impact on 100 years of radiotherapy</p> <p>Leopold Freund and Guido Holzknrecht - fathers of new medical and scientific disciplines <i>J. Widder (NL)</i></p> <p>Robert Kienböck and Gottwald Schwarz - Pioneers of radiobiology and clinical radiotherapy <i>J. Overgaard (DK)</i></p> <p>Austron - origin of today's ion beam setting in Europe <i>R. Pötter (AT)</i></p>	<p>08:45 – 10:00</p> <p>Symposium</p> <p>Radiation and regulation of EMT and metastasis</p> <p>The biology of cell migration <i>V. Small (AT)</i></p> <p>Tumour microenvironment, metastasis and radiation response <i>P. Span (NL)</i></p> <p>Radiation sensitivity and EMT in head and neck cancer <i>J. Theys (NL)</i></p> <p>EMT and radiosensitivity <i>N. Cordes (DE)</i></p>	<p>08:45 – 10:00</p> <p>Symposium</p> <p>Elective nodal irradiation: Head and neck, lung, oesophagus</p> <p>Head and neck cancer <i>JG Eriksen (DK)</i></p> <p>Lung cancer <i>L. Kepka (PO)</i></p> <p>Oesophageal cancer <i>M. Stuschke (DE)</i></p>	<p>08:45 – 10:00</p> <p>Joint Symposium</p> <p>ESTRO- EAU</p> <p>Current controversies in prostate cancer</p> <p>Is there a role for focal treatment in prostate cancer?: The radiation oncologist point of view <i>M. van Vulpen (NL)</i></p> <p>Is there a role for focal treatment in prostate cancer?: The urologist point of view <i>M. Emberton (UK)</i></p> <p>Should oligometastatic disease in prostate cancer be treated systemically?: The radiation oncologist point of view <i>G. De Meerleer (BE)</i></p> <p>Should oligometastatic disease in prostate</p>	<p>08:45 – 10:00</p> <p>Symposium</p> <p>New GEC-ESTRO guidelines in clinical practice</p> <p>Prostate HDR <i>P. Hoskin (UK)</i></p> <p>GEC-ESTRO guidelines for target definition in breast brachytherapy <i>Speaker TBC</i></p> <p>Ultrasound in brachytherapy <i>FA Siebert (DE)</i></p>	<p>08:45 – 10:00</p> <p>Symposium</p> <p>Beyond the organ response-based models of toxicity</p> <p>Using dose-maps for long-term rectal toxicity modelling <i>S. Gulliford (UK)</i></p> <p>A mechanistic NTCP model including spatial effects of the dose distribution <i>E. Rutkowska (UK)</i></p> <p>Generalised methods for 3D correlation of toxicity data using advanced elastic registration <i>O. Acosta (FR)</i></p>	<p>08:45 – 10:00</p> <p>Symposium</p> <p>Quantitative imaging of hypoxia</p> <p>Hypoxia imaging with PET <i>R. Perrin (DE)</i></p> <p>Hypoxia signaling in aggressive cancer revealed by DCE-MRI <i>H. Lyng (NO)</i></p> <p>Measurement of blood oxygenation <i>L. van Buuren (NL)</i></p>	<p>08:45 – 10:00</p> <p>Symposium</p> <p>Adaptive treatment planning</p> <p>RTT implementation of daily online soft tissue match for lung tumours <i>MH Andersen (DK)</i></p> <p>Adaptive dose painting early experiences <i>I. Madani (BE)</i></p> <p>Adaptive planning: The RTT perspective <i>D. Pasini (IT)</i></p>	<p>09:00 – 09:45</p> <p>Poster Discussion Session 1</p>

			cancer be treated systemically?: The urologist point of view <i>A. Briganti (IT)</i>					
10:00 – 10:30 COFFEE BREAK								
10:30 – 11:30 Proffered papers	10:30 – 11:30 Proffered papers	10:30 – 11:30 Proffered papers	10:30 – 11:30 Proffered papers	10:30 – 11:30 Proffered papers	10:30 – 11:30 Proffered papers	10:30 – 11:30 Proffered papers	10:30 – 11:30 Proffered papers	10:30 – 11:15 Poster Discussion Session 2
11:45 – 12:30 Presidential Symposium								
12:30 – 13:00 Emmanuel van der Schueren Award Lecture Back to the future: synergies between physics and medicine from history to horizon <i>D. Thwaites (AU)</i>								
13:00 – 14:30 LUNCH AND INDUSTRY SYMPOSIA								
14:30 – 15:45 Symposium Novel therapeutics and early clinical trials Combining PARP inhibitors with radiation and chemotherapy in early phase clinical trials <i>A. Chalmers (UK)</i> DREAM study <i>M. Saunders (UK)</i> Current development in antiangiogenic treatment <i>J. Hlatky (US)</i> Dual targeting of	14:30 – 15:45 EU projects ARTFORCE: Individualized treatment and prediction of response in head-neck and lung cancer patients <i>O. Hamming-Vriese (NL)</i> and <i>JJ Sonke (NL)</i> ANDANTE: Project update <i>A. Ottolenghi (IT)</i> ANDANTE: Second cancers from neutrons	14:30 – 15:45 Symposium Elective nodal irradiation: Breast, prostate, rectum Elective LN irradiation in early breast cancer with pN1 disease <i>B. Offersen (DK)</i> Which nodes to irradiate in rectal cancer <i>C. Marijnen (NL)</i> Prostate <i>V. Khoo (UK)</i>	14:30 – 15:45 Symposium New insight into palliative radiotherapy for brain and spinal cord metastases Whole brain versus SRT - evolving issues <i>U. Ricardi (IT)</i> Hippocampus sparing – is there a future? <i>B. Baumert (DE)</i> Advances in radiotherapy of	14:30 – 15:45 Symposium Evidence for the organ at risk constraints we use in brachytherapy Gynaecology <i>LT Tan (UK)</i> Prostate <i>B. Pieters (NL)</i> Breast - Brachytherapy: the balance of high dose and protection of organ at risk <i>P. Niehoff (DE)</i>	14:30 – 15:45 Symposium Motion management during image acquisition for planning Motion registration and compensation in PET Imaging <i>R. Bundschuh (DE)</i> CT <i>S. Korreman (DK)</i> Motion management using MRI <i>M. Stam (NL)</i>	14:30 – 15:45 Symposium Clinical dose painting The clinical evidence for the dose-painting concept <i>X. Geets (BE)</i> Accounting for uncertainties in imaging and radiation delivery in dose painting trials <i>E. Malinen (NO)</i> Radiation dose painting:	14:30 – 15:45 Symposium RTT-led OAR delineation RTT-led OAR delineation for breast radiation therapy <i>D. Ledsom (UK)</i> Radiation therapist led delineation of organs at risk in the head and neck region <i>N. Wallace (IE)</i> Delineation of organs at risk in the pelvis <i>M. Rossi (NL)</i>	14:30 – 15:15 Poster Discussion Session 3

pi3k/mTOR <i>E. Fokas (DE)</i>	following proton therapy: preliminary epidemiological studies <i>L. Walsh (DE)</i>		spinal metastases <i>D. Rades (DE)</i>			considerations in exploring clinical evidence <i>C. Ménard (CA)</i>		
15:45 – 16:15 COFFEE BREAK								
16:15 – 17:15 Proffered papers	16:15 – 17:15 Joint Symposium ESTRO-ESMO-ESSO New ESMO-ESTRO-ESSO guidelines on anal canal cancer Introduction / ACROP <i>C. Belka (DE)</i> Surgery <i>PJ Nilsson (SE)</i> New concepts for radiotherapy in anal canal cancers <i>P. Maingon (FR)</i> Chemotherapy <i>S. Rao (UK)</i>	16:15 – 17:15 Proffered papers	16:15 – 17:15 Proffered papers	16:15 – 17:15 Proffered papers	16:15 – 17:15 Proffered papers	16:15 – 17:15 Proffered papers	16:15 – 17:15 Proffered papers	16:15 – 17:00 Poster Discussion Session 4
17:30 – 18:30 Honorary Members Innovation of radiation therapy from 3DRT to 4DRT <i>M. Hiraoka (JP)</i> Cobalt-60, carbon ions, nanotechnology and beyond <i>B. Vikram (US)</i>								
18:30 – 19:30 Poster Reception - Poster Awards								

Sunday, 6 April 2014

INTERDISCIPLINARY	RADIOBIOLOGY	CLINICAL	CLINICAL	BRACHYTHERAPY	PHYSICS	PHYSICS	RTT	YOUNG	
08:00 – 08:40 Teaching lecture Innovative radiotherapy, a challenge for health technology assessment <i>Speaker: F. Hulstaert (BE)</i>	08:00 – 08:40 Teaching lecture How to do preclinical testing of new radiosensitisers <i>Speaker: K. Harrington (UK)</i>	08:00 – 08:40 Teaching lecture Multi-disciplinary management of rectal cancer <i>Speaker: MA Gambacorta (IT)</i>	08:00 – 08:40 Teaching lecture The role of radiotherapy in modern melanoma treatment <i>Speaker: L. Bastholt (DK)</i>	08:00 – 08:40 Teaching lecture ICRU guidelines for gynaecological brachytherapy <i>Speaker: C. Kirisits (AT)</i>	08:00 – 08:40 Teaching lecture Geometrical uncertainties & proton treatment planning <i>Speaker: M. Schwarz (IT)</i>	08:00 – 08:40 Teaching lecture Automatic multicriterial treatment planning and/or Pareto navigation <i>Speaker: S. Breedveld (NL)</i>	08:00 – 08:40 Teaching lecture Advanced RT delivery techniques: What is the clinical rationale? <i>Speaker: B. O'Sullivan (CA)</i>	08:00 – 08:40 Teaching lecture Statistics and methodology: "Do's and don'ts with examples" <i>Speaker: P. Blanchard (FR)</i>	
08:45 – 10:00 Symposium Emerging new technology for Radiation Oncology PET/MR <i>D. Thorwarth (DE)</i> 4D-SBRT of thoracic and abdominal tumours using an MRI-linac <i>G. Meijer (NL)</i> Monoenergetic synchrotron beams <i>J. Balosso (FR)</i> Recent developments on laser-accelerated particle beams <i>W. Enghardt (DE)</i>	08:45 – 10:00 Symposium Target identification and novel therapeutics in combination with radiation Austrian Academy – CeMM Gene-drug interaction screens in cancer using isogenic cell models <i>S. Nijman (AT)</i> Loss of function screens to identify novel radiotherapy targets <i>G. Higgins (UK)</i> Identification of novel checkpoint mechanisms after radiation <i>R. Syljuåsen (NO)</i> Targeting resistant hypoxic cells by exploiting DNA repair defects <i>E. Hammond (UK)</i>	08:45 – 10:00 Debate This house believes that adenocarcinoma of the GE junction should be treated with preoperative chemoradiation For the motion <i>K. Haustermans (BE)</i> Against the motion <i>F. Lordick (DE)</i>	08:45 – 10:00 Symposium SBRT for lung lesions: Too much, too little? Peripheral lesions: Too much dose? <i>M. Guckenberger (DE)</i> Central lesions: Enough knowledge for safe treatment? <i>A. Bezjak (CA)</i> Operable lesions: More activities towards new concepts? <i>F. Lagerwaard (NL)</i> Planning, QA: Minimum requirements or complete standardisation? <i>C. Hurkmans (NL)</i>	08:45 – 10:00 Symposium Evidence for tumour dose response in brachytherapy Gynaecology <i>M. Schmid (AT)</i> Prostate <i>A. Henry (UK)</i> Breast <i>A. Polo (ES)</i>	08:45 – 10:00 Joint Symposium ESTRO-AAPM Image guidance (or lack thereof) in proton therapy Image guidance in proton therapy clinical practice <i>A. Bolsi (CH)</i> Image guidance in proton therapy: What we need vs what we have today <i>H. Kooy (US)</i> "4D" imaging for motion <i>M. Riboldi (IT)</i> Latest developments in in-vivo dose and range imaging <i>T. Bortfeld (US)</i>	08:45 – 10:00 Symposium Real-time dose calculation and planning GPU-oriented Monte Carlo dose calculations <i>P. Ziegenhein (DE)</i> Fluence-convolution broad-beam (FCBB) dose calculations <i>W. Lu (US)</i> Cloud-based treatment planning and Monte Carlo calculation <i>L. Xing (US)</i>	08:45 – 10:00 Symposium Practical IGRT considerations for RTTs Carbon ion therapy: Establishing a routine image guided workflow <i>S. Kuhn (DE)</i> Couch and aperture-based correction in IGRT <i>P. Scherer (AT)</i> Error analysis: From IGRT to margin <i>F. Moura (PT)</i>	08:45 – 10:00 Symposium How to change your practice: Implementing evidence based practice changes Clinical perspective: Implementation of image-guided brachytherapy techniques in clinical practice <i>P. Petric (QA)</i> Physics perspective: Implementation of IGRT protocols in clinical practice <i>M. Stock (AT)</i> RTT perspective: How to implement new technology for daily clinical use – an RTT experience <i>H. McNair (UK)</i>	09:00 – 09:45 Poster Discussion Session 5

10:00 – 10:30									
COFFEE BREAK									
10:30 – 11:30	10:30 – 11:30	10:30 – 11:30	10:30 – 11:30	10:30 – 11:30	10:30 – 11:30	10:30 – 11:30	10:30 – 11:30	10:30 – 11:30	
Symposium	Proffered papers	Proffered papers	Proffered papers	Proffered papers	Proffered papers	Proffered papers	Proffered papers	Moving poster session 1	
Safety and quality in radiotherapy									
Risk management in Radiation Oncology: report on ACCIRAD <i>C. Prieto Martin (ES)</i>									
Link between quality and clinical outcome <i>E. Lartigau (FR)</i>									
The value of a multi-disciplinary approach in quality management <i>M. van Os (NL)</i>									
11:45-12:15									
Highlights of proffered papers									
12:15 – 12:45									
Plenary lecture									
13:00 – 14:30								13:00 – 14:30	
LUNCH AND INDUSTRY SYMPOSIA								Young Lunch symposium	
								Young ESTRO activities	
								Report from the Young Task Force <i>Speaker TBC</i>	
								Experience of ESTRO fellows / exchange programmes <i>B. De Bari (IT)</i>	
								Experience of ESTRO fellows / exchange programmes	

								<i>F. Cellini (IT)</i> Proposing mentorship programmes to the YTF <i>D. Gabrys (PO)</i> Feedback / brainstorm from audience for yTF	
14:30 – 15:45	14:30 – 15:45	14:30 – 15:45	14:30 – 15:45	14:30 – 15:45	14:30 – 15:45	14:30 – 15:45	14:30 – 15:45	14:30 – 15:45	14:30 – 15:15
Symposium	EU projects	Symposium	Symposium	Symposium	Symposium	Debate	Symposium	Symposium	Poster Discussion Session 6
Current challenges in hadron therapy	ACCIRAD: Differences between systems of risk assesment & reposting used in Europe <i>J. Malicki (PL)</i> ACCIRAD: European Guidelines on Risk Assesment in Radiotherapy - Results of Expert consensus and Final version <i>H. Jarvinen (FI)</i> ULICE: Clinical cooperation in hadrontherapy born from the ULICE results <i>R. Orecchia (IT)</i>	Re-irradiation: New hopes (and) old concerns Biology of repair and normal tissue tolerance <i>MC Vozenin (CH)</i> Role of re-irradiation in recurrent brain tumours/malignancies <i>A. Grosu (DE)</i> Re- irradiation of head and neck cancers – state of the art and future directions <i>H. Langendijk (NL)</i>	What's new in radionuclide treatment - competition or added value for external beam radiotherapy? Biology: Contrasts and congruences of RNT and EBRT <i>M. Krause (DE)</i> Dosimetry: The worlds of radionuclides and external beams - incongruent and incompatible? <i>S. Sgouros (US)</i> Combination of radionuclides and EBRT from the clinical radiotherapy point of view <i>O. Bruland (NO)</i> Old an new tracers for the combination with EBRT: the clinical nuclear medicine point of view <i>F. Mottaghy (DE)</i>	Dosimetry in 3D image guided adaptive brachytherapy Dose calculation and in vivo dosimetry <i>Speaker TBC</i> Applicator reconstruction using 3D imaging <i>T. Hellebust (NO)</i> New algorithms <i>P. Papagiannis (GR)</i>	Dose calculation and dosimetry for small animal irradiation An introduction of the specific dosimetry problems <i>U. Oelfke (UK)</i> Challenges in small animal treatment planning <i>P. Granton (NL)</i> Microbeam radiation therapy: Current status of the MRT PET trial project <i>E. Brauer-Krisch (FR)</i>	This house believes that the strong focus on radiation protection and safety is delaying / hampering introduction of new technologies / treatment strategies For the motion <i>H. Nyström (SE)</i> Against the motion <i>R. Garcia (FR)</i>	Implementation of IGRT Development of IGRT protocols <i>R. de Jong (NL)</i> Extended roles for RTTs in IGRT <i>M. Kamphuis (NL)</i> Department-wide use of IGRT/ART <i>A. Vestergaard (DK)</i>	Obtaining grants successfully Overview of EU funding options <i>Speaker TBC</i> How to write a successful grant application <i>J. Alsner (DK)</i>	
15:45 – 16:15									

COFFEE BREAK									
16:15 – 17:15	16:15 – 17:15	16:15 – 17:15	16:15 – 17:15	16:15 – 17:15	16:15 – 17:15	16:15 – 17:15	16:15 – 17:15	16:15 – 17:15	16:15 – 17:15
Symposium	Joint Symposium ESTRO-ESMO- ESSO	Proffered papers	Proffered papers	Proffered papers	Proffered papers	Proffered papers	Proffered papers	Moving poster session 2	
Small animal image guided irradiation	New ESMO- ESTRO-ESSO guideline on gastric cancer								
Treatment planning <i>F. Verhaegen (NL)</i>									
Implementation and advancements in pre- clinical radiotherapy <i>D. Jaffray (CA)</i>	Surgery <i>W. Allum (UK)</i>								
First experimental experiences <i>R. Hill (CA)</i>	Radiotherapy <i>M. Verheij (NL)</i>								
	Chemotherapy <i>D. Arnold (DE)</i>								
17:30 – 18:00								17:30 – 18:00	
Iridium Award Lecture								Young scientist reception	
From milligram-hour over absorbed dose to equieffective dose and EQD2									
<i>A. Wambersie (BE)</i>									
18:00 – 18:30									
Company Award Lectures (Varian, Accuray, J. Fowler)									
18:30 – 19:30									
ESTRO School Symposium And Reception									

Monday, 7 April 2014

INTERDISCIPLINARY	INTERDISCIPLINARY	RADIOBIOLOGY	CLINICAL	CLINICAL	PHYSICS	PHYSICS	RTT	
<p>08:00 – 08:40</p> <p>Teaching lecture</p> <p>The concept of adaptive radiotherapy (ART)</p> <p><i>Speaker: JJ Sonke (NL)</i></p>	<p>08:00 – 08:40</p> <p>Teaching lecture</p> <p>Novel developments in functional imaging for oncology</p> <p><i>Speaker: M. Hacker (AT)</i></p>	<p>08:00 – 08:40</p> <p>Teaching lecture</p> <p>Imaging biomarkers to measure tumor oxygenation: towards clinical application in radiation oncology</p> <p><i>Speaker: B. Gallez (BE)</i></p>	<p>08:00 – 08:40</p> <p>Teaching lecture</p> <p>Hypo-fractionation for breast cancer</p> <p><i>Speaker: J. Yarnold (UK)</i></p>	<p>08:00 – 08:40</p> <p>Teaching lecture</p> <p>Methodology of modern trials in Radiation Oncology: Phase I dose escalation studies and biomarker stratification</p> <p><i>Speaker: T. Maughan (UK)</i></p>	<p>08:00 – 08:40</p> <p>Teaching lecture</p> <p>Dosimetry of small fields: New guidelines by IAEA</p> <p><i>Speaker: H. Palmans (UK)</i></p>	<p>08:00 – 08:40</p> <p>Teaching lecture</p> <p>Treatment planning techniques to handle geometrical and anatomical uncertainties: State of the art</p> <p><i>Speaker: M. Söhn (DE)</i></p>	<p>08:00 – 08:40</p> <p>Teaching lecture</p> <p>Current status of palliative radiation therapy</p> <p><i>Speaker: J.W. Leer (NL)</i></p>	
<p>08:45 – 10:00</p> <p>Joint Symposium</p> <p>ESTRO-ESR</p> <p>Adaptive radiotherapy to shrinking tumours I</p> <p>Imaging shrinking tumours during radiotherapy <i>G. Brown (UK)</i></p> <p>Risk of missing sub-clinical disease in NSCLC <i>J. Belderbos (NL)</i></p> <p>Challenges in adaptive planning <i>D. Verellen (BE)</i></p>	<p>08:45 – 10:00</p> <p>Symposium</p> <p>Defining the need for radiotherapy / provision</p> <p>Radiotherapy in Europe: An unmet need? <i>J. Borras (ES)</i></p> <p>The clinical impact of waiting times in radiotherapy <i>W. MacKillop (CA)</i></p> <p>Waiting times, standardisation and fast track systems – The Danish experience <i>C. Grau (DK)</i></p> <p>Optimise resources to decrease waiting times <i>P. Vos (NL)</i></p>	<p>08:45 – 10:00</p> <p>Symposium</p> <p>The importance of macro-and micro-environments – tumour metabolism and more</p> <p>DNA damage response and tumor metastasis <i>B. Xu (US)</i></p> <p>Metabolic control of tumour biology: implications for radiation response <i>O. Feron (BE)</i></p> <p>Vascular remodeling during radiation <i>S. Supiot (FR)</i></p> <p>Targeting metabolism to improve radiotherapy <i>M. Busk (DK)</i></p>	<p>08:45 – 10:00</p> <p>Joint Symposium</p> <p>ESTRO-ASTRO</p> <p>Current challenges in radiation therapy for breast cancer</p> <p>The impact of oncoplastic surgery on volume delineation and side effects <i>P. Poortmans (NL)</i></p> <p>Locoregional management for triple negative breast cancer <i>B. Haffty (US)</i></p> <p>Is there a lower limit for radiation dose when avoiding cardiac side effects? <i>C. Petersen (DE)</i></p> <p>Management of the regional lymph nodes after primary systemic treatment</p>	<p>08:45 – 10:00</p> <p>Symposium</p> <p>Personalised radiation therapy – biomarkers, trial design, prevailing concepts</p> <p>Biomarker-driven personalised radiation therapy <i>C. Rödel (DE)</i></p> <p>Trial design in personalised radiation therapy - multiplicity and complexity <i>AH Ree (NO)</i></p> <p>Conformal, tailored, and adaptive radiation oncology in the molecular biology and functional imaging era <i>V. Valentini (IT)</i></p>	<p>08:45 – 10:00</p> <p>Symposium</p> <p>Advances in dosimetry</p> <p>Advances in Scintillation detectors dosimetry <i>L. Beaulieu (CA)</i></p> <p>Determination of detector perturbation factors for relative dosimetry <i>A. Scott (UK)</i></p> <p>Advances in synthetic diamond detectors dosimetry <i>M. Pimpinella (IT)</i></p> <p>Revisiting gel dosimetry. Focusing on reading systems (MRI , US, optical CT) <i>S. Back (SE)</i></p>	<p>08:45 – 10:00</p> <p>Symposium</p> <p>QA strategies for tracking and gating</p> <p>Motion management QA: from imaging to treatment delivery <i>C. Cavedon (IT)</i></p> <p>Commissioning and periodic QA strategies for gating <i>M. Aznar (DK)</i></p> <p>Commissioning and periodic QA strategies for tracking <i>C. Garibaldi (IT)</i></p>	<p>08:45 – 10:00</p> <p>Symposium</p> <p>Palliative care: A multidimensional approach</p> <p>The development of a fast-track radiotherapy palliation service using MR and CBCT <i>E. Brunenberg (NL)</i></p> <p>Rehabilitation in palliative care <i>C. Payne (UK)</i></p> <p>Consultant RTT-led care in palliative radiation therapy <i>N. Cornelius (UK)</i></p>	<p>09:00 – 09:45</p> <p>Poster Discussion Session 7</p>

			<i>E. Strom (US)</i>					
10:00 – 10:30 COFFEE BREAK								
10:30 – 11:30 Symposium Adaptive radiotherapy to shrinking tumours II Adaptive brachytherapy in cervical cancer <i>C. Haie Meder (FR)</i> Practical adaptive radiation therapy for liver tumours <i>M. Velec (CA)</i> Efficient implementation of a strategy for boosting the residual tumour in neoadjuvant rectal cancer <i>C. Fiorino (IT)</i>	10:30 – 11:30 Symposium ESTRO Scientific Plan	10:30 – 11:30 Proffered papers	10:30 – 11:30 Proffered papers	10:30 – 11:30 Proffered papers	10:30 – 11:30 Proffered papers	10:30 – 11:30 Proffered papers	10:30 – 11:30 Debate In the era of cone beam CT, this house believes that electronic portal imaging is obsolete For the motion: <i>A. Betgen (NL)</i> Against the motion <i>E. Forde (IE)</i>	10:30 – 11:15 Poster Discussion Session 8
11:45 – 12:30 Plenary / Selected randomised trials								
12:30 – 13:00 Klaas Breur Award Lecture Image Guided Adaptive Radiotherapy: The paradigm of cervix cancer brachytherapy <i>R. Pötter (AT)</i>								
13:00 – 14:30 LUNCH AND INDUSTRY SYMPOSIA								
14:30– 16:00 Symposium Best of ASTRO at ESTRO	14:30– 16:00 Symposium Gottwald Schwarz symposium: Biologically adaptive		14:30– 16:00 Joint Symposium ESTRO-EORTC Current	14:30– 16:00 Symposium Individualisation of treatment for patients with high	14:30– 16:00 Symposium Accuracy and its clinical relevance in brachytherapy	14:30– 16:00 Symposium Clinical validation of contour propagation and	14:30– 16:00 Symposium Patient management and supportive care	14:30 – 15:15 Poster Discussion Session 9

	<p>radiotherapy: The hypoxia example</p> <p>The biological rationale for targeting hypoxia - past, present, and future <i>B. Wouters (CA)</i></p> <p>Translating hypoxia imaging into adaptive radiotherapy <i>J. Lee (BE)</i></p> <p>Clinical interventions and biological stratification <i>H. Kaanders (NL)</i></p>		<p>developments in soft tissue sarcoma treatment</p> <p>Management of Desmoid tumours in 2014 <i>R. B. Keus (NL)</i></p> <p>Changes in the local approach of Retroperitoneal sarcoma: A real challenge <i>S. Bonvalot (FR)</i></p> <p>Limb sarcoma: Should the optimal timing sequence for radiotherapy be the same for all patients? <i>R. Haas (NL)</i></p> <p>Chordoma: Current concepts management and future directions <i>J. Debus (DE)</i></p>	<p>grade glioma</p> <p>Molecular biomarkers in glioma: Prognostic or predictive? <i>W. Wick (DE)</i></p> <p>Maximising benefit and minimising risk in the treatment of elderly patients with glioblastoma <i>N. Laperriere (CA)</i></p> <p>Do patients with glioblastoma benefit from IMRT? <i>N. Burnet (UK)</i></p>	<p>Dose calculation and dose reporting from the physics point of view <i>J. Perez-Calatayud (ES)</i></p> <p>Dose delivery and impact of uncertainties on dose response in the clinical setting <i>N. Nesvacil (AT)</i></p> <p>Relevance of accuracy in brachytherapy: clinical perspective <i>P. Petric (QA)</i></p>	<p>atlas-based segmentation tools</p> <p>Metrics for quantifying differences between contours <i>G. Rizzo (IT)</i></p> <p>Open source tools for validation of deformable registration <i>D. Sarrut (FR)</i></p> <p>Quantifying the performances of commercially available deformable registration tools in contouring OAR in ART <i>L. Widesott (IT)</i></p> <p>Quantifying the performances of atlas-based auto-segmentation in head and neck <i>D. Teguh (NL)</i></p>	<p>Management of side effects in head and neck cancer patients treated in multimodality setting <i>P. Cornacchione (IT)</i></p> <p>Radiotherapy information and support in the community, - as part of rehabilitation <i>L. Perchard-Rees (UK)</i></p> <p>Intensive physical training during radiotherapy and chemotherapy <i>H. van Waart (NL)</i></p>	
16:00 – 16:30								
COFFEE BREAK								
16:30 – 17:30	<p>16:30 – 17:30</p> <p>Symposium</p> <p>Individualised radiotherapy for HPV-positive head and neck cancer</p> <p>Radiobiology of HPV-positive HNSCC cells: mechanisms of radiosensitivity and implications for therapy <i>T. Rieckmann (DE)</i></p> <p>Challenges and pitfalls in treatment de-escalation in HPV oropharyngeal cancer</p>	<p>16:15 – 17:15</p> <p>Symposium</p> <p>ESTRO delineation guideline for breast cancer</p> <p>ESTRO guideline for treatment volume definition of the breast, boost and thoracic wall <i>Y. Kirova (FR)</i></p> <p>ESTRO guideline for delineation of lymph node regions in breast cancer</p>	<p>16:30 – 17:30</p> <p>Proffered papers</p>	<p>16:30 – 17:30</p> <p>Proffered papers</p>	<p>16:30 – 17:30</p> <p>Proffered papers</p>	<p>16:30 – 17:30</p> <p>Proffered papers</p>	<p>16:30-17:15</p> <p>Poster Discussion Session 10</p>	

	<p>patients <i>H. Mehanna (UK)</i></p> <p>Design methodology for individualised radiotherapy trials <i>S. Collette (BE)</i></p>	<p><i>L. Boersma (NL)</i></p> <p>Target volume delineation in partial breast brachytherapy <i>T. Major (HU)</i></p>						
17:30 – 18:30								
ESTRO General Assembly								
20:00								
Social Evening								

Tuesday, 8 April 2014

INTERDISCIPLINARY	INTERDISCIPLINARY	RADIOBIOLOGY	CLINICAL	CLINICAL	PHYSICS	PHYSICS	RTT
<p>08:30 – 09:10</p> <p>Teaching lecture</p> <p>NTCP modelling: Fact or myth?</p> <p><i>Speaker: A. Van Der Schaaf (NL)</i></p>	<p>08:30 – 09:10</p> <p>Teaching lecture</p> <p>Review of secondary cancers</p> <p><i>Speaker: K.R. Trott (DE)</i></p>	<p>08:30 – 09:10</p> <p>Teaching lecture</p> <p>microRNAs and tumour radiation response</p> <p><i>Speaker: N. Zaffaroni (IT)</i></p>	<p>08:30 – 09:10</p> <p>Teaching lecture</p> <p>Locally advanced NSCLC: Is there a role for radiotherapy to improve local control?</p> <p><i>Speaker: D. De Ruysscher (BE)</i></p>	<p>08:30 – 09:10</p> <p>Teaching lecture</p> <p>Health economics in Radiation Oncology</p> <p><i>Speaker: P. Dunscombe (CA)</i></p>	<p>08:30 – 09:10</p> <p>Teaching lecture</p> <p>Cost-benefit of further optimisation of VMAT and IMRT planning</p> <p><i>Speaker: M. Alber (DK)</i></p>	<p>08:30 – 09:10</p> <p>Teaching lecture</p> <p>State of the art of radiotherapy under MRI guidance</p> <p><i>Speaker: U. van der Heide (NL)</i></p>	<p>08:30 – 09:10</p> <p>Teaching lecture</p> <p>Fundamentals of scientific research</p> <p><i>Speaker: S. Bentzen (USA)</i></p>
<p>09:15 – 10:30</p> <p>Symposium</p> <p>Clinical factors influencing radiation induced toxicity</p> <p>Epidemiology of late effects after radiotherapy at childhood and young adult ages <i>F. van Leeuwen (NL)</i></p> <p>Radiation-related treatment effects across the age spectrum with a focus on prostate cancer <i>C. Cozzarini (IT)</i></p> <p>Age, aging and the age-old question: how does irradiation induce normal tissue late effects? <i>J. Williams (US)</i></p>	<p>09:15 – 10:30</p> <p>Symposium</p> <p>Dose escalation</p> <p>The use of normal tissue-to-tumor alpha/beta ratios evaluate and optimize radiotherapy treatments <i>HA Gay (US)</i></p> <p>Clinical data demonstrating dose response in gynaecology / breast / head and neck /cervix / prostate <i>E. Van Limbergen (BE)</i></p> <p>Methods for achieving dose response within OAR tolerances - facts and fiction <i>D. Georg (AT)</i></p>	<p>09:15 – 10:30</p> <p>Symposium</p> <p>Epigenetic and miRNA regulation of tumour response to radiotherapy</p> <p>miRNA-protein interaction networks in cancer <i>S. Wiemann (DE)</i></p> <p>miRNA in head and neck cancer <i>M. de Jong (NL)</i></p> <p>DNA methylation biomarkers of radiation response <i>E. Schuurin (NL)</i></p> <p>Targeting histone acetylation in combination with radiotherapy <i>A. Kiltie (UK)</i></p>	<p>09:15 – 10:30</p> <p>Symposium</p> <p>Current developments in the multidisciplinary management of head and neck cancer</p> <p>Will targeted agents improve the results of chemoradiation in high-risk HPV-negative head and neck cancers? <i>E. Deutsch (FR)</i></p> <p>Is there a role for therapeutic HPV vaccination in patients with head and neck cancer? <i>K. Harrington (UK)</i></p> <p>Will the use of robotic surgery lead to de-escalation of treatment for oropharyngeal cancers? <i>A. Dietz (DE)</i></p> <p>Will personalised medicine approaches increase therapeutic options for salivary gland cancers? <i>L. Licitra (IT)</i></p>	<p>09:15 – 10:30</p> <p>Symposium</p> <p>Radiotherapy costs</p> <p>Myths and facts <i>Y. Lievens (BE)</i></p> <p>Where should we invest the money, where can we save? <i>P. Pommier (FR)</i></p> <p>A worldwide perspective <i>E. Zubizarreta (AT)</i></p>	<p>09:15 – 10:30</p> <p>Joint Symposium and roundtable</p> <p>ESTRO-AAPM-EFOMP</p> <p>Future of medical physics in radiotherapy: Academic vs professional role</p> <p>The harmonisation of the role of medical physics within Europe: a challenge or an impossibility? <i>M. Paiusco (IT)</i></p> <p>The changing professional role of medical physics in the US <i>R. Jeraj (US)</i></p> <p>Trends in radiotherapy physics scientific publication / developments <i>L. Muren (DK)</i></p> <p>The role of MP in Europe between research and clinical activity: where are we going ? <i>G. Gagliardi (SE)</i></p>	<p>09:15 – 10:30</p> <p>Symposium</p> <p>Daily plan selection strategies in adaptive radiotherapy</p> <p>Clinical implementation of on-line adaptive therapy using a plan library for cervical cancer <i>M. Hoogeman (NL)</i></p> <p>Statistical motion models for generating plan libraries <i>S. Thornqvist (DK)</i></p> <p>Online adaptive image guided radiotherapy for muscle-invasive bladder cancer <i>F. Foroudi (AU)</i></p>	<p>09:15 – 10:30</p> <p>Symposium</p> <p>Research skills for RTTs</p> <p>Creating a research culture within clinical radiotherapy departments <i>T. Rosewall (CA)</i></p> <p>From idea to implementation of a clinical research project in the radiotherapy department <i>M.B. Ellegaard (DK)</i></p> <p>Development of scientific writing skills <i>L. Mullaney (IE)</i></p>

					Panel discussion		
10:30 – 11:00							
COFFEE BREAK							
11:00 – 12:00	11:00 – 12:00		11:00 – 12:00	11:00 – 12:00	11:00 – 12:00	11:00 – 12:00	11:00 – 12:00
Symposium	Symposium		Joint Symposium	Symposium	Symposium	Joint Symposium	Symposium
New approaches to model normal tissue reactions	Non-target doses		ESTRO-PROS-IAEA	Radiotherapy in metastatic cancer with the aim to improve survival	Review of dose comparison metrics	ESTRO-EFOMP	Train the trainers programme: An update
Imaging-based scoring of toxicity: Quantification of local radiation-induced lung damage using CT <i>P. van Luijk (NL)</i>	Clinical: Dose effect relationship of secondary tumours after breast cancer treatment <i>T. Grantzau (DK)</i>		Radiotherapy of CNS tumours of children	Primary tumour-directed therapy in the face of metastatic disease: Killing the seed or disturbing the soil? <i>S. Morgan (CA)</i>	Drawbacks of current 2D/3D approaches for verifying complex dose distribution delivery <i>P. Carrasco de Fez (ES)</i>	Adaptive radiotherapy strategies for dose monitoring and re-planning	ESTRO/IAEA initiative: Have we trained the RTT trainers? <i>M. Coffey (IE)</i>
The limits of organ-based NTCP modeling - where to go? <i>W. Dörr (AT)</i>	Biology: Secondary cancer (biology perspective) <i>K.R. Trott (DE)</i>		Is there a role for re-irradiation? <i>C. Carrie (FR)</i>	Ablation of liver metastases by SBRT <i>M. Høyer (DK)</i>	Current status of gamma index use <i>G. Budgell (UK)</i>	Direct and indirect methods for CBCT-based dose calculations <i>U. Elstrøm (DK)</i>	Impact of TTT programme in Serbian education and professional development <i>J. Stevanovic (SR)</i>
Multivariable NTCP-models: Building and validating multivariable models of toxicity after radiotherapy for prostate cancer <i>T. Rancati (IT)</i>	Physical aspects of out of field doses, stories told by the TPS and beyond <i>A. Ahnesjö (SE)</i>		Is there a role for hyperfractionation? <i>RD Kortmann (DE)</i>	Stereotactic ablative radiotherapy for oligometastatic disease: Why and how? <i>J. Widder (NL)</i>	Other dose metrics <i>C. Ceberg (SE)</i>	Anatomical and functional imaging based adaptive radiotherapy for lung tumours <i>W. van Elmpt (NL)</i>	Impact of TTT programme in Croatian education and professional development <i>V. Karadza (HR)</i>
12:00 – 13:00							
Closing debate							
This house believes that large Phase III trials remain the gold standard in radiation oncology							
For the motion: <i>S. Bentzen (USA)</i>							
Against the motion: <i>A. Dekker (NL)</i>							