

**ESTRO**  
**ASIA**  
**2019**

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**ESTRO  
CONFERENCE**

**6-8 December 2019**  
Singapore



# ESTRO meets ASIA 2019

**It is with great pleasure that we announce the second edition of the «ESTRO meets Asia» conference which will take place in Singapore, 06-08 December 2019.**

The «ESTRO meets Asia» conference has as objective to bring radiation oncology collaboration between Europe and Asia to a new level - regarding science, education, technology and professional development, targeting all professionals working in the discipline (clinicians, medical physicists, RTTs and radiobiologists).

The interactive conference format is designed to enable participants to share experiences on practices/operations from both regions and discuss how to facilitate collaboration. The conference will be a platform where participants will learn from each other by embracing the diversity of clinical practices and exploring the development of common solutions to optimise radiotherapy treatment and care for all patients.

'Fusion of perspectives – embracing technology with a pragmatic eye' will be the theme of «ESTRO meets Asia» conference and through these few, however impactful words, the Scientific Programme Committee would like to put a spotlight on the importance of collaboration between the two regions and of sharing experiences as a way to benefit from each other. The programme will address the needs of the different groups, being conscious of the differences in the access to technology among the countries within each region.

The scientific programme will have four components: an educational, an interdisciplinary, a medical physics and an RTT track.

1. The educational component will offer an interdisciplinary approach to Stereotactic Body Radiation Therapy and is aimed at radiation oncologists, physicists and RTTs who are currently at the planning stage of establishing a clinical stereotactic programme, and also those who already have a current stereotactic practice. The importance of integrating all professionals into a team will be highlighted.
2. The interdisciplinary component of the conference will offer teaching lectures, symposia and proffered papers on the latest advancements on the topics of:
  - Up to date management on common cancers: lung, breast, colorectal and prostate.
  - Combined modalities methods for head and neck, gynaecology and liver cancers.
  - Emerging strategies combining immunotherapy, chemotherapy and radiotherapy.
3. The medical physicists track will focus on both practical aspects and research developments of physics in radiation oncology, covering topics such as:
  - The transition to IMRT and VMAT: technology, treatment planning, delivery and QA

- Techniques for image guidance and treatment adaptation
  - Small field dosimetry
  - Motion management
  - Brachytherapy
  - Particle therapy
4. The fourth component of the conference is focusing on the practice of RTTs and will cover topics such as:
    - IMRT vs VMAT and OAR delineation guidelines
    - Advances in breast and head & neck radiation therapy, use of AI in planning
    - Emerging technologies such as protons and MRI-linac guided radiotherapy
    - Risk management and quality standards with new radiotherapy technologies
    - Patient positioning and motion management, image guided adaptive radiation therapy
    - Advanced RTT practice from Euro and Asia position, advanced roles of RTT

On the last day of the conference, we will focus on leadership, education and advocacy, starting from true life stories on implementing new technologies.

The ESTRO meets ASIA Conference will feature a large exhibition in radiation oncology: Be there and get a chance to meet all the industry leaders show-casing the latest developments in the radiotherapy and oncology fields.

ESTRO is looking forward to welcoming you in Singapore.

**Prof Umberto Ricardi**  
ESTRO meets Asia  
Conference Chair



#### SCIENTIFIC PROGRAMME COMMITTEE (SPC)

Chair of the congress – Umberto Ricardi (IT)

#### SCIENTIFIC ADVISORY GROUP (SAG) CHAIRS

Interdisciplinary Component Chairs – Vincent Khoo (UK), Francis Chin (SG)

Physics Component Chairs – Marco Schwarz (IT), Jamema Swamidas (IN)

RTT Component Chairs – Yat Man Tsang (UK), Sharon Wong (SG)

#### SCIENTIFIC ADVISORY GROUP (SAG) FOR INTERDISCIPLINARY COMPONENT

Chairs – Vincent Khoo (UK), Francis Chin (SG)

Members – Jiade J.Lu (CN), Laure Marignol (IE), Tatsuya Ohno (JP), Jinsil Seong (KR), Shyam Shrivastava (IN), Vincenzo Valentini (IT)

#### SCIENTIFIC ADVISORY GROUP (SAG) FOR PHYSICS COMPONENT

Chairs – Marco Schwarz (IT), Jamema Swamidas (IN)

Members – Taku Inaniwa (JP), Natalka Suchowerska (AU), Kari Tanderup (DK)

#### SCIENTIFIC ADVISORY GROUP (SAG) FOR RTT COMPONENT

Chairs – Yat Man Tsang (UK), Sharon Wong (SG)

Members – Bronwyn Hilder (AU), Taeyoon Kim (KR), Maddalena Rossi (NL), Gurvinder Singh Wadhawan (IN)

## GENERAL INFORMATION

### VENUE

Singapore Expo  
Max Atria entrance  
1 Expo Dr, Singapore 486150

### HOW TO REACH SINGAPORE EXPO EXHIBITION AND CONVENTION CENTRE?

Singapore Expo is located in the eastern part of Singapore, and only one Mass Rapid Transit (MRT) stop or a 5-minute drive from Changi International Airport, and a 15-minute drive from the Central Business District (CBD).

### ACCOMMODATION

Sing Express Travel is the appointed official housing agent for ESTRO Meets Asia 2019. And has blocked a variety of hotel rooms at attractive rates. Make sure you secure a room at your preferred hotel as soon as possible as availability is limited. More information is available on the website.

### CURRENCY

The currency in Singapore is the Singapore dollar.

### EXHIBITION

An exhibition featuring equipment and medical publishers will be held in the exhibition area. The opening of the exhibition will take place on Friday 6 December 2019 at 09.30 and it will remain open until 8 December included. Entrance is free for all registered participants. Companies and publishers who would like to participate in the exhibition, please contact:

Hande Yilmaz  
Tel.: +32 2 775 93 41  
Fax.: +32 2 779 54 94  
E-mail: [hyilmaz@estro.org](mailto:hyilmaz@estro.org)

### INSURANCE

The organiser does not accept liability for individual medical, travel or personal insurance. Participants are strongly advised to take out their own personal insurance policies. In case an unforeseen event would force ESTRO to cancel the meeting, the Society will reimburse the participants the registration fee minus 15% for handling charges. ESTRO will not be responsible for the refund of travel and accommodation costs.

### LUNCHEON AND REFRESHMENTS

The registration fee for the conference includes coffee breaks and lunch to all participants and exhibitors wearing their conference badges.

### OFFICIAL LANGUAGE

The official language of the congress is English. No simultaneous translation will be provided.

### POSTERS

Posters will be displayed in the poster area during the conference.

### SATELLITE SYMPOSIA

Commercial satellite symposia will be held during lunch breaks. The programmes of the symposia will be published on the ESTRO website.

For additional information, contact:  
Hande Yilmaz,  
Tel.: +32 2 775 93 41  
Fax.: +32 2 779 54 94  
E-mail: [hyilmaz@estro.org](mailto:hyilmaz@estro.org)

### NOT TO BE MISSED

### NETWORKING EVENING

A networking evening will be held in the exhibition area on Friday 6 December at the end of the session day.

## FRIDAY 6 DECEMBER 2019

	EDUCATION TRACK	PHYSICS TRACK	INTERDISCIPLINARY TRACK	RTT TRACK
9.00-9.30	OPENING CEREMONY			
9.30-10.30	TEACHING LECTURE <b>Image-Guided Stereotactic Body Radiotherapy</b> 9.30-9.40 <b>Introduction</b>	TEACHING LECTURE <b>Dosimetry and audits</b>	TEACHING LECTURE <b>IG Brachytherapy and combined modalities: future directions</b>	TEACHING LECTURE <b>OAR delineation and treatment planning</b>
9.40-10.05	<b>From frame-based stereotaxy to frameless image-guidance - a historical perspective</b>	Lecture 1 <b>Dosimetry audits: general principles and practical examples</b>	Lecture 1 <b>The Gynae experience</b>	Lecture 1 <b>Standardising OAR delineation for treatment planning</b>
10.05-10.30	<b>Radiobiology of SBRT</b>	Lecture 2 <b>TPS - Requirements and limitations in small fields</b>	Lecture 2 <b>The Prostate experience</b>	Lecture 2 <b>VMATs vs IMRT</b>
10.30-11.00	Coffee break			
11.00-12.00	TEACHING LECTURE 11.00-11.30 <b>Basic principles of dose prescription in SBRT</b>	SYMPOSIUM <b>MR guidance in radiotherapy</b>	SYMPOSIUM <b>AI in next century: RT department workflows in Modern RT dept - making improvements</b>	SYMPOSIUM <b>Image Guided Adaptive Radiation Therapy</b>
		Lecture 1 <b>MR for treatment preparation and response assessment</b>	Lecture 1 <b>Autocontouring - OARs, image recognitions, 4D</b>	Lecture 1 <b>IGART training and education</b>
11.00-11.30	<b>Errors &amp; margins in SBRT</b>	Lecture 2 <b>Clinical experiences and Dosimetry of MR guided X-ray Therapy (MRXT)</b>	Lecture 2 <b>Autoplanning in clinical practice</b>	Lecture 2 <b>IGART implementation and workflow</b>
		Lecture 3 <b>Challenges for MR guided Particle Therapy (MRPT)</b>	Lecture 3 <b>Electronic records - checklists, summations, and autocheck of Planning dosimetry</b>	Lecture 3 <b>Real time IGART</b>

12.00-13.00	12.00-12.30 TEACHING LECTURE <b>Non-respiratory induced motion and correction</b>	<b>Proffered Papers</b>	<b>Proffered Papers</b>		<b>Poster Viewing RTT</b>	
	12.30-13.00 <b>Respiratory induced motion and correction</b>					
13.00-14.30	LUNCH + Satellite Symposia					
14.30-15.15	PLENARY: <b>ImmunoOncology (IO)</b> Lecture1: <b>IO and RT in lung cancer</b> Lecture 2: <b>Title tbc</b>					
15.15-16.15	TEACHING LECTURE <b>SBRT for primary liver cancer</b>	TEACHING LECTURE <b>IGRT/Adaptive RT</b>	TEACHING LECTURE <b>Advance technologies: particles therapy current management and new horizons</b>	TEACHING LECTURE <b>Advanced RTT practice</b>		
			Lecture 1 <b>Radiobiology of particles therapy: principles and latest advances</b>			
			Lecture 1 <b>Quality in IGRT - Best practices to improve safety and efficacy</b>	Lecture 2 <b>SHIP experience,NPC, difficult RT, adenoid carcinoma</b>		Lecture 1 <b>Advanced Practice; An ESTRO RTTC position</b>
			Lecture 2 <b>Deformable image registration - Commissioning and QA - Challenges</b>	Lecture 3 <b>Carbon</b>		Lecture 2 <b>Advanced practice: An Asia RTTC position</b>
16.15-17.15	TEACHING LECTURE 16.15-17.00 <b>Oligometastasis diseases</b>	Roundtable Panel Discussion <b>How to best use IGRT&amp;ART technology in the clinic?</b>	SYMPOSIUM <b>Conventional and unconventional approach in re-irradiation Palliation:</b>	Roundtable Panel Discussion <b>Advanced roles of RTT case studies</b>		
			Lecture 1 <b>Partial volume tumour irradiation</b>			
			Lecture 2 <b>Primary tumour irradiation in metastatic setting</b>			
			Lecture 3 <b>Fractionation and re irradiation state of Art</b>			
17.15-17.45	Coffee break					
17.45-18.45	TEACHING LECTURE <b>SBRT for primary prostate cancer</b>		<b>Proffered Papers</b>	<b>Proffered Papers</b>	<b>Poster Viewing PHYS</b>	

## SATURDAY 7 DECEMBER 2019

	<b>EDUCATION TRACK</b>	<b>PHYSICS TRACK</b>	<b>INTERDISCIPLINARY TRACK</b>	<b>RTT TRACK</b>	
9.00-10.00	TEACHING LECTURE <b>SBRT treatment planning, plan evaluation and dose reporting</b>	TEACHING LECTURE <b>Radiobiology</b>	TEACHING LECTURE <b>BREAST – hypofractionation, brachy and motion management</b>	TEACHING LECTURE <b>Patient positioning and motion management</b>	
		Lecture 1 <b>Title TBC</b>	Lecture 1 <b>Radiobiology of the breast</b>	Lecture 1 <b>Motion management in RT</b>	
		Lecture 2 <b>Targeting the physics but missing the biology?</b>	Lecture 2 <b>Clinical Outcomes on the use of advance radiation in locally advance, inoperable and fungating breast cancers: the Asian experience</b>	Lecture 2 <b>The impact of patient positioning and preparation with advanced RT</b>	
		Lecture 3 <b>Is there a role for dose escalation in Locally Advanced Breast Cancer (LABC)</b>			
10.00-11.00	TEACHING LECTURE 10.00-10.45 <b>ESTRO ACROP practice guideline of SBRT for stage I NSCLC</b>	SYMPOSIUM <b>Particle Therapy</b>	SYMPOSIUM <b>GI (upper and lower)</b>	SYMPOSIUM <b>Advances in photon RT</b>	
		Lecture 1 <b>Current status and future perspective of proton radiotherapy</b>	Lecture 1 <b>Oesophageal cancer: the past, present and future</b>	Lecture 1 <b>Optimising treatment planning with Knowledge-Based Planning</b>	
		Lecture 2 <b>Current status and future perspective of carbon-ion radiotherapy</b>	Lecture 2 <b>Liver/hepatobiliary</b>	Lecture 2 <b>Advances in Breast RT</b>	
		Lecture 3 <b>New developments in range estimation and range verification</b>	Lecture 3 <b>Rectum</b>	Lecture 3 <b>Advances in H&amp;N RT</b>	
11.00-11.30	Coffee break				
11.30-12.30	TEACHING LECTURE 11.30-12.00 <b>SBRT for stage early stage NSCLC</b>	<b>Proffered Papers</b>	<b>Proffered Papers</b>		<b>Poster Viewing RTT</b>

12.30-14.00	LUNCH + Satellite Symposia				
14.00-14.45	PLENARY: <b>Adaptive Radiotherapy</b> Lecture 1: <b>Clinical rational</b> Lecture 2: <b>Challenges in the implementation - Physicist's perspective</b>				
14.45-15.45	TEACHING LECTURE <b>The challenge of Brain Metastases</b>	TEACHING LECTURE <b>Machine learning and automation</b> Lecture 1 <b>Methods for automatic planning</b>	TEACHING LECTURE <b>BEST of 2019 trials and presentations</b> Lecture 1 <b>ESMO/ESTRO</b>	TEACHING LECTURE <b>Emerging technology</b> Lecture 1 <b>Particle therapy - RTT perspective</b>	
		Lecture 2 <b>Imaging and machine learning</b>	Lecture 2 <b>ASTRO/ASCO</b>	Lecture 2 <b>MR Linac - RTT perspective</b>	
15.45-16.15	Coffee break				
16.15-17.15	TEACHING LECTURE 16.15-16.45 <b>SBRT for vertebral metastases</b>	Roundtable Panel Discussion <b>Brachytherapy</b>	SYMPOSIUM <b>Imaging for 4D Radiotherapy</b> Lecture 1 <b>Near real-time and real-time 4D radiotherapy</b>	Roundtable Panel Discussion <b>Risk management and quality standards of the new RT technologies</b>	
			Lecture 2 <b>Theranostics</b>		
16.45-17.15 <b>Role of the RTT in SBRT for liver, brain and prostate</b>	Lecture 3 <b>"Radiomics": images are more than pictures there are quantitative data</b>				
17.15-18.15	TEACHING LECTURE 17.15-17.35 <b>QA and safety in SBRT</b>		<b>Proffered Papers</b>	<b>Proffered Papers</b>	<b>Poster Viewing PHYS</b>
	17.35-18.15 <b>Current and future development in SRS and SBRT</b>				

## SUNDAY 8 DECEMBER 2019



	<b>INTERDISCIPLINARY</b>
9.00-10.30	<b>Symposium: Making it happen: Seeding leadership, education, advocacy in high end technology</b> - Leadership - Education - Advocacy
10.30-11.00	Coffee break
11.00-12.30	Panel discussion: <b>True life stories of implementing new technologies: Focus on leadership, education, advocacy</b>
12.30-12.45	CLOSING CEREMONY: Agenda going forward



### PAYMENT INFORMATION

Payments can be made by credit card through our secured website. The fees are vat exempt and will be charged euro.

For all questions concerning registration and payments, please contact: [events@estro.org](mailto:events@estro.org)

### REGISTRATION FEE

Reduced fees apply when the payment is received before specific deadlines:

**Early registration: 27 August**

**Late registration: 5 November**

**Desk registration: as of 6 November**

The registration fee to the conference includes access to the scientific sessions, exhibition area, coffee breaks and lunches, and networking evening.

**Are you an active member within ESTRO?** Learn how you could get 20% off your registration fee [HERE](#).

### CONFIRMATION OF REGISTRATION

Upon receipt of your registration form, a confirmation of your registration will be forwarded to you electronically.

### CANCELLATION OF REGISTRATION

In case of cancellation, a full refund of the registration fee minus handling charges of 15% may be obtained up to three months before the meeting. Between three months and one month before the meeting, the refund will amount to 50% of the fee. No refund will be possible if the cancellation is post marked after 7 November 2019.

Prices are VAT exempt

Category	Price emerging country*	Price non-emerging country
Early registration	€ 200	€ 260
Late registration	€ 315	€ 410
Desk registration	€ 480	€ 630
One-day early registration	€ 85	€ 110
One day late registration	€ 160	€ 210
One day late/desk registration	€ 160	€ 210

\*Emerging country rate applies to individuals from low-income and lower-middle-income economies according to the World Bank listing available at: <http://data.worldbank.org/about/country-classifications/country-and-lending>

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