

**ESTRO TEACHING COURSE ON ACCELERATED PARTIAL BREAST IRRADIATION**
*Paris (Villejuif), France - 13-16 November 2016*

<i>Sunday 13 November</i>	Topic	Speaker
08:00 - 08:45	Registration	
08:45 - 09:00	Introduction	P. Poortmans
<b>Part 1</b>	<b>Introduction: general issues in breast cancer</b>	
09:00 - 09:30	Imaging for early stage breast cancer	TBC
09:30 - 10:00	Pathology with an emphasis on early stage breast cancer	TBC
<b>Part 2</b>	<b>The basics of APBI</b>	
10:00 - 10:30	Background	P. Poortmans
10:30 - 11:00	Coffee break	
11:00 - 11:30	Delineation homework: summary of the results for breast & APBI	S. Hol
11:30 - 12:30	Target volume delineation for APBI with closed cavity Target volume delineation for APBI with open cavity	V. Strnad T. Major
12:30- 13:00	The perspective of the breast cancer patient	Europa Donna representative
13:00 - 14:30	Lunch	
<b>Part 3</b>	<b>General issues of APBI</b>	
14:30 - 15:00	The position of APBI in 2016.	S. Rivera
15:00 - 16:00	FALCON: target volume contouring for breast & APBI	S. Hol; all
16:00 - 16:30	Tea break	
16:30 - 17:15	Comparison between the basics characteristics of the available techniques from a clinical point of view	B. Offersen
17:15 - 18:00	Comparison between the basics characteristics of the available techniques from a physics point of view	T. Major

<i>Monday 14 November</i>		
08:30 - 09:00	Wrapping up of yesterday; time for questions & suggestions	P. Poortmans, all
<b>Part 4</b>	<b>Patient selection for APBI</b>	
09:00 - 9:30	Risk factors for local recurrence (after BCT & after APBI)	P. Poortmans
09:30 - 10:00	ASTRO and GEC-ESTRO criteria	R. Orecchia
10.00 - 10.30	Target volume delineation for APBI: summary of exercise and comparison with homework.	S. Hol
10:30 - 11:00	Coffee break	
11:00 - 12:00	Target volume delineation for APBI: technique dependent? Delineation homework: discussion of the results related to treatment planning (CTV-PTV volumes; CTV-breast ratio; consequences for selection treatment techniques).	V. Strnad, T. Major & S. Hol
<b>Part 5a</b>	<b>APBI: intraoperative techniques</b>	
12:00 - 13:00	Intraoperative RT with electrons and photons for APBI: techniques and results	R. Orecchia
13:00 - 14:30	Lunch	
<b>Part 5b</b>	<b>APBI: post-operative endocavitary and interstitial techniques</b>	
14:30 - 15:15	Endocavitary and interstitial brachytherapy for APBI: techniques and results	V. Strnad
15:15 - 16:00	Physics for intraoperative, endocavitary and interstitial techniques	T. Major
16:00 - 16:30	Tea break	
16:30 - 16:40	Instruction to use the voting tool - general questions	M. Vanderijst
<b>Part 6a</b>	<b>APBI: general issues and special considerations</b>	
16:40 - 17:30	Multidisciplinary tumour board: who might be a good candidate for APBI? Presentation of clinical cases by the participants	All; voting Coordinator: R. Orecchia
17:30 - 18:00	Cosmetic outcome after APBI.	B. Offersen

<i>Tuesday 15 November</i>		
08:30 - 09:00	Wrapping up of yesterday; time for questions & suggestions	P. Poortmans, all
<b>Part 5c</b>	<b>APBI: external beam technique</b>	
09:00 - 09:45	External beam RT for APBI: techniques and results	B. Offersen
09:45 - 10:00	Physics for EBRT-APBI: 3D-CRT → IMRT → IGRT	T. Major
<b>Part 6b</b>	<b>APBI: general issues and special considerations</b>	
10:00 - 10:30	Surgical considerations including oncoplastic surgery	TBC
10:30 - 11:00	Coffee break	
11:00 - 11:30	Target volume delineation and outcome after oncoplastic surgery	P. Poortmans
11:30- 12:00	Adjuvant systemic treatment for early stage breast cancer	TBC
12:00 - 13:00	Challenging exchange of thoughts: selection of patients and techniques for APBI	All; <i>voting</i> Inclusive: V. Strnad Restrictive: B. Offersen
13:00 - 14:30	Lunch	
14:30 - 16:00	Treatment preparation and planning for APBI: positioning; planning CT-scan; (virtual) simulation; contouring (TV + OAR); treatment planning (objectives + constraints). Examples of treatment planning based on homework compared to expert contours.	S. Hol & T. Major
16:00 - 16:30	Tea break	
16:30 - 17:30	Clinical case discussion: the limits of breast conserving therapy	All; <i>voting</i> TBD by S. Rivera
17:30 - 18:00	Local treatment for breast: always less, where is the limit? Interaction between local and systemic treatments.	P. Poortmans

<i>Wednesday 16 November</i>		
08:30 - 09:00	Wrapping up of yesterday; time for questions & suggestions	P. Poortmans, all
<b>Part 7</b>	<b>Treatment related toxicity</b>	
09.00 - 09.45	Side-effects of breast RT.	B. Offersen
09:45 - 10:30	Clinical case discussion: how to avoid side effects	All; <i>voting</i> V. Strnad & T. Major
10:30 - 11:00	Coffee break	
<b>Part 8</b>	<b>Future perspectives</b>	
11:00 - 11:30	Second breast conserving therapy	V. Strnad
12:00 - 13:00	General discussion around APBI	All; <i>voting</i> R. Orecchia
13:00	Final wrapping up. Farewell word	P. Poortmans, all

*Philip Poortmans, Radiation Oncologist, Radboud University Medical Centre, Nijmegen (NL)*

*Tibor Major, Medical Physicist, National Institute of Oncology, Budapest (HU)*

*Birgitte Offersen, Clinical Oncologist, Aarhus University Hospital, Aarhus (DK)*

*Roberto Orecchia, Radiation Oncologist, European Institute of Oncology, Milan (IT)*

*Vratislav Strnad, Radiation Oncologist, University Hospital Erlangen, Erlangen (DE)*

*Contouring administrator*

*Sandra Hol, Radiation Technologist, Institute Verbeeten, Tilburg (NL)*

*Guest lecturers:*

*Sofia Rivera, Radiation Oncologist, Institut Gustave Roussy, Villejuif (FR)*

*TBC*