

Partial Breast Irradiation with Multicatheter Brachytherapy or Electronic Brachytherapy (IORT): Promises, Pitfalls, and Solutions – A Practical Course

Monday 30 June 2025

Time	Topic	Speaker
14:30 – 15:00	Registration	
Part 1	Introduction: General issues in breast cancer	
15:00 – 15:05	Welcome	Faculty
15:05 – 15:45	Presentations of the participating teams	All
15:45 – 16:30	Overview of Partial Breast Irradiation for early Breast Cancer – current techniques and results	Vratislav Strnad
16:30 - 17:15	Current clinical selection criteria for APBI: 1 st breast conserving therapy	Cristina Gutierrez-Migueléz
17:15 – 18:00	Target definition: basic principles & the GEC-ESTRO guidelines	Vratislav Strnad Tibor Major
18:00 – 18:15	Discussion	
20:00 – 22:00	<i>Team dinner with faculty and participants (location TBA)</i>	

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Tuesday 1 July 2025

Time	Topic	Speaker
Part 2	Multicatheter brachytherapy (postoperative)	
08:30 – 09:00	Postoperative APBI: Clinical case presentation	Cristina Gutierrez-Migueléz
09:00 – 11:00	Live clinical case in operating theatre	Cristina Gutierrez-Migueléz and colleagues
11:00 – 11:30	Questions and discussion live case	All
11:30 – 12:00	Fractionation concepts of APBI, radiobiologic considerations	Sergio Lozares
<i>12:30 – 13:30</i>	<i>Lunch break</i>	
13:30 – 14:00	Interstitial brachytherapy: treatment planning & QA	Tibor Major
14:00 – 14:45	APBI with interstitial multicatheter brachytherapy: techniques and results	Vratislav Strnad
14:45 – 15:45	Hands-on session 1: Catheter insertion using breast phantoms (Practical exercises)	All faculty
<i>15:45 – 16:00</i>	<i>Coffee break</i>	
16:00 – 16:45	Second breast conserving therapy	Jean-Michel Hannoun-Levi
16:45 – 17:45	Hands-on session 2: Target delineation (physicians) / Treatment Planning (physicists) (Practical exercises)	All faculty
17:45 – 18:00	Current clinical selection criteria for APBI: 2 nd breast conserving therapy	Jean-Michel Hannoun-Levi

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Wednesday 2 July 2025

Time	Topic	Speaker
Part 3	Multicatheter brachytherapy (perioperative)	
08:30 – 09:00	Perioperative APBI: Clinical case presentation	Cristina Gutierrez-Migueléz
09:00 – 11:00	Live clinical case in operating theatre	Cristina Gutierrez-Migueléz and colleagues
11:00 – 11:30	Questions and discussion live case	All
11:30 – 12:30	Other brachytherapy applicators and low-energy devices for APBI	Vratislav Strnad
<i>12:30 – 13:30</i>	<i>Lunch break</i>	
13:30 – 14:15	Surgical considerations of breast conserving surgery for early breast cancer in relation to perioperative APBI	TBA
14:15 – 15:00	Perioperative Interstitial brachytherapy for APBI: results	Cristina Gutierrez-Migueléz
15:00 – 15:30	ACROP/ESTRO-Practical guideline for APBI using Interstitial Multi- Catheter Brachytherapy	Vratislav Strnad
<i>15:30 – 16:00</i>	<i>Coffee break</i>	
16:00 – 17:00	Hands-on session 3: Catheter insertion using phantoms & Target delineation (physicians) / Treatment Planning (physicists) (Practical exercises)	All faculty
17:00 – 17:30	Comparison between the basic characteristics of multicatheter brachytherapy techniques and electronic brachytherapy in regard to treatment planning and radiobiology	Tibor Major
17:30 – 18:15	Very Accelerated Partial Breast Irradiation (VAPBI): results of different techniques ~ a critical analysis	Jean-Michel Hannoun-Levi

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Thursday 3 July 2025

Time	Topic	Speaker
Part 4	Electronic brachytherapy (IORT)	
08:30 – 09:00	APBI Clinical case presentation	Evelyn Martinez Perez
09:00 – 11:00	Live clinical case in operating theatre	Evelyn Martinez Perez Reyes Ibáñez Carreras
11:00 – 11:30	Questions and discussion live case	All
11:30 – 12:00	Technical implementation of electronic brachytherapy. Requirements, necessities, tips and tricks and own experience.	Arantxa Campos Bonel
<i>12:00 – 13:00</i>	<i>Lunch break</i>	
13:00 – 13:30	Surgical considerations of breast conserving surgery for early breast cancer using intraoperatively electronic brachytherapy	Maria Jesús Pla Farnós
13:30 – 14:00	Electronic brachytherapy with the Xofigo® Axxent® Electronic Brachytherapy (eBx®) System®: planning and QA	Tibor Major and colleagues
14:00 – 14:45	Electronic brachytherapy for APBI: results	Barbara Schwartzberg Evelyn Martínez Pérez
14:45 – 14:55	Discussion	All faculty
<i>14:55 – 15:10</i>	<i>Coffee break</i>	
15:10 – 15:40	Electronic brachytherapy vs Multicatheter Brachytherapy: Competitive treatments or Complementary approaches?	Ferran Guedea
15:40 – 16:25	Brainstorming: APBI for new indications & influence of systemic therapy.	Vratislav Strnad All faculty
16:25 – 17:00	Summary, Closing comments	Vratislav Strnad Cristina Gutierrez-Migueléz Evelyn Martinez Perez
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