

# Brachytherapy in Partial Breast Irradiation (APBI)

## Chairmen:

Vratislav Strnad, MD, PhD, Prof, University Hospital Erlangen, Germany

Johann Tang I-Hsiung, MD, Prof, MBBS, FRANZCR, FAMS, Mount Elizabeth Novena Hospital, Singapore

## Host:

Takashi Kawanaka, MD, PhD, Tokushima University Hospital, Japan

## Faculty members:

Tibor Major, PhD, National Cancer Institute Budapest, Hungary

Taeko Kawanaka, MD, Japanese Red Cross Tokushima Hospital, Japan

Yasufumi Shitakubo, Radiological technologist, Tokushima University Hospital, Japan

Kanako Sakuragawa, Radiological technologist, Tokushima University Hospital, Japan

## Tuesday 9 September 2025

Time	Title	Speaker
07:45 – 08:00	Registration	
08:00 – 08:15	Welcome	
08:15 – 08:45	Introduction of participants	all
08:45 – 09:30	Accelerated Partial Breast Irradiation (APBI) – current evidence, facts & myths	V. Strnad
09:30 – 9:50	Breast conserving surgery as condition sine qua non for adjuvant APBI – Review of appropriate surgical techniques	Taeko Kawanaka
9:50 – 10:20	Patient selection	J.I. Tang
10:20 – 10:40	Break	
10:40 – 11:15	Target definition	V. Strnad
11:15 – 11:45	Fractionation concepts, radiobiologic considerations	T. Major
11:45 – 12:30	Image-guided brachytherapy - interstitial techniques	J.I. Tang
12:30 – 12:50	Image-guided brachytherapy – SAVI technique	Takashi Kawanaka
12:55 - 13:10	Clinical case presentation	Takashi Kawanaka
13:10 – 14:00	Lunch	

## Brachytherapy in Partial Breast Irradiation (APBI)

14:00 – 15:10	Live clinical case in operating theatre	Takashi Kawanaka Y. Shitakubo K. Sakuragawa
15:10 – 15:20	Questions and discussion live case	All faculty
15:20 – 15:40	Break	
15:40 – 16:40	<b>Physics:</b> Detailed comparison of techniques for APBI. <b>Treatment planning and dosimetric indices</b> (With focus on multicatheter brachytherapy versus SAVI)	T. Major
16:40 – 16:50	Summary of the 1st day	V. Strnad, J.I. Tang
16:50 – 17:30	Visit Radiation Oncology Department – Division of Brachytherapy	Takashi Kawanaka
19:00	Dinner	

### Wednesday 10 September 2025

Time	Title	Speaker
08:30 – 09:00	ACROP / ESTRO - Practical guideline for APBI using Interstitial Multi-catheter Brachytherapy	V. Strnad, T. Major
09:00 – 10:15	<b>Hands-on session 1:</b> Catheter insertion using phantoms	All faculty
10:15 – 10:30	Break	
10:30 – 12:00	<b>Hands-on session 2:</b> Target delineation (physicians) / <b>Treatment Planning</b> (physicists)	All faculty
12:00 – 13:00	Lunch	

## Brachytherapy in Partial Breast Irradiation (APBI)

13:00 – 13:30	Salvage-lumpectomy and adjuvant salvage-APBI for in-breast recurrence	V. Strnad
13:30 – 14:00	Dose volume parameters in organ at risk in breast brachytherapy	V. Strnad
14:00 – 15:00	Hands-on session 3: Target delineation (physicians) / Treatment Planning (physicists) CONTINUED	All faculty
15:00 – 15:15	Break	
15:15 – 15:45	Challenges facing Multi-Catheter Breast APBI	J.I. Tang
15:45 – 16:15	New directions of APBI (altered fractionation, salvage-APBI, ...)	V. Strnad
16:15 – 16:45	Panel discussion	All faculty
16:45– 17:00	Summary, Closing comments	V. Strnad, J.I. Tang All
	Adjourn	