

## MINIMALLY INVASIVE TREATMENT OF EARLY-STAGE BREAST CANCER USING BRACHYTHERAPY

### Intended Participants

Breast Surgeons, Medical and Radiation Oncologists as well as Clinical Physicists who wish to obtain an integrated overview of all aspects of brachytherapy as a minimally invasive adjuvant to breast-conserving surgery in early-stage breast cancer.

### Workshop Topics

- Observation and discussion of live breast brachytherapy cases
- Clinical procedure and physics
- Implementation aspects
- Organisational aspects
- Hands-on impression method and use of flexible implant system

### Entry Level

Familiarity with interstitial brachytherapy

### Maximum Number of Participants

16 persons

### Length

2 days

### Location

Radiation Therapy Department  
Institut Català d'Oncologia (ICO)  
(Catalonian Institute of Oncology)  
Barcelona - Spain

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### Faculty

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### Information and Registration

- For programme details and registration
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## MINIMALLY INVASIVE TREATMENT OF EARLY-STAGE BREAST CANCER USING BRACHYTHERAPY

### Clinical Workshop Procedures – Benefits – Implementation



Barcelona – 6 & 7 June 2010

Organised by  
Catalonian Institute of Oncology (ICO)  
Barcelona – Spain  
In association with  
Nucletron

## Minimally Invasive Treatment of Early-Stage Breast Cancer

Recent studies and results in Europe and the USA have shown that brachytherapy is an excellent adjuvant approach for minimal invasive treatment of low-risk early-stage breast cancer. During the past 15 years, this approach has been investigated as an alternative to external irradiation. In addition, new approaches to providing a boost following WBI offer new tools for clinicians and practitioners.

According to the ABS (American Brachytherapy Society), brachytherapy for selected early-stage breast cancer is an innovative treatment approach that may increase breast conservation, and also reduce the need for mastectomy. Treatment time for breast brachytherapy takes 5 days instead of 6 weeks for traditional radiation.

In this clinical workshop participants have the opportunity to observe and discuss the techniques and benefits of brachytherapy monotherapy as an alternative to other treatment modalities. New techniques for boosting will also be addressed. The programme takes an integrated view at all aspects involved, ranging from surgical, pharmacological to radiopharmaceutical perspectives, addressed by a multidisciplinary faculty of breast surgeons, pathologists, medical and radiation oncologists and medical physicists.

## Clinical Workshop on Method and Procedure

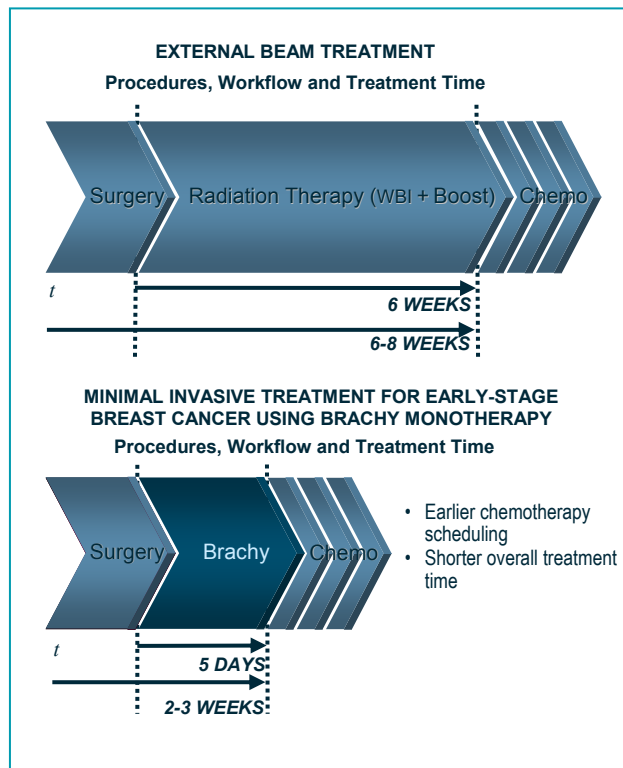
This clinical workshop provides participants with an integrated overview of brachytherapy in minimally invasive treatment of initial breast tumours, both in the APBI and the boost setting. The interactive programme addresses all aspects (*clinical, implementation, organisational and hands-on*). After observing and discussing live brachytherapy cases, participants focus on the clinical procedure, workflow and tooling.

Practical introduction in various clinical settings is also addressed. By concentrating on their own environment, participants can discuss how the methods presented can be successfully implemented into their own practice. Various organisational aspects are reviewed, including workflow and workload optimisation and funding. In conclusion, participants will have ample opportunity to obtain a hands-on impression of the techniques through practising with available systems and tooling and through peer-to-peer discussions.

## Objectives and Results

Participants acquire comprehensive insight into minimal invasive treatment of early-stage breast cancer using brachy monotherapy in order to decide whether the method is useful for their own practice:

- Clinical method and procedure (clinical indicators, live cases, clinical results, procedure, physics, infrastructure and tooling).
- Implementation aspects (requirements, learning curve, milestones, workflow optimisation).
- Organisational aspects (funding, efficiency through workflow, workload and logistics improvement).
- Hands-on impression of method and use of flexible implant system (Nucletron Comfort Catheters™).



## Workshop Programme

Day 1	
Morning	<b>Introduction</b> <ul style="list-style-type: none"> <li>– Welcome and introduction</li> <li>– Overview: ABPI at the ICO</li> <li>– Participant presentations</li> </ul>
	<b>Pre-Implant</b> <ul style="list-style-type: none"> <li>– Surgery for Early-Stage Breast Cancer</li> <li>– Risk Factors in Local Relapses in BCT</li> <li>– Rationale for ABPI</li> <li>– Integrating Chemotherapy and ABPI</li> </ul>
Afternoon	<b>Lunch</b>
	<b>Implant – 1</b> <ul style="list-style-type: none"> <li>– Discussion on APBI Techniques</li> <li>– Impact of Surgical Approach</li> <li>– Implant Techniques – Clinical Experience</li> </ul>
Day 2	
Morning	<b>Implant – 2</b> <ul style="list-style-type: none"> <li>– Discussion on APBI Phase II and III Trials</li> <li>– Implant Prerequisites</li> <li>– Anaesthetics</li> <li>– Nursing and Patient Care</li> </ul>
	<b>Live Implant Procedure</b> <ul style="list-style-type: none"> <li>– Live Case № 1</li> <li>– Discussion of case Study</li> </ul>
	<b>New developments in breast cancer management</b> <ul style="list-style-type: none"> <li>– Concepts of image guided, non-invasive boost</li> <li>– AccuBoost – clinical application</li> </ul>
Afternoon	<b>Lunch</b>
	<b>Hands-on &amp; Clinical Q&amp;A</b> <ul style="list-style-type: none"> <li>– Comfort Catheter System</li> <li>– Oncentra Brachy Treatment Planning</li> <li>– AccuBoost system</li> <li>– Clinical Q&amp;A</li> </ul>
	<b>Post Implant</b> <ul style="list-style-type: none"> <li>– CT-Based Planning: Physics</li> <li>– CT-Based Planning: Clinical Aspects</li> <li>– Treatment Delivery</li> </ul>
	<b>Organising APBI and new boost modalities</b> <ul style="list-style-type: none"> <li>– Roadmap and Learning Curve</li> <li>– Implementing new services in your clinic</li> </ul>