

# THE BREAST COURSE™ 2013

## Learning objectives

At the end of The Breast Course, the participant should be able to:

1. Explain the major pathologies affecting the breast;
2. Explain existing, novel and state-of-the-art breast imaging techniques;
3. Detect breast pathologies using conventional imaging technologies (mammography; ultrasound; magnetic resonance imaging)
4. Describe appropriate procedures for stereotactic, U/S, or MRI guided minimally invasive breast biopsy;
5. Select and utilize the appropriate sampling and guidance systems for optimal histological diagnosis when performing breast biopsy
6. Utilize the definitive histologic diagnosis provided by breast biopsy to reduce the number of surgeries required for diagnosis and therapy
7. Describe surgical management approaches of breast cancer;
8. Explain current procedures in pre-interventional neoadjuvant chemotherapy;
9. Explain current procedures in post-interventional adjuvant chemotherapy, brachytherapy and radiotherapy;
10. Learn to interact in an interdisciplinary fashion with fellow practitioners for breast patient care; and
11. Integrate most recent practice guidelines for small image-detected breast cancer in his/her daily practice.

## Target audience

Our approach is interdisciplinary and hence, we welcome all breast professionals from many disciplines: Radiologists - Medical oncologists – Surgeons – Pathologists - Radiation oncologists - General practitioners – Nurses – Dosimetrists – Technologists.

## Needs Assessment

A Needs Assessment table has been completed (see attached) and was primarily based on the proceedings of the American Society of Breast Disease (ASBD) colloquium “Ensuring Optimal Interdisciplinary Breast Care in the United States - Gaps, Implications, and Potential Measures to Assess Optimal Care”. These needs were confirmed during past courses organized by DTR Inc., which included course evaluation forms and on-site electronic surveys on individual practice for more than 1,650 breast professionals trained in our last nine events. We also based our program on recent recommendations on breast care by the Canadian Association of Radiologists.

## Interaction

The type and approximate duration in minutes of interaction are listed per session:

Q:	Question Period	Qz:	Quiz via electronic voting apparatus
W:	Case study workshop under expert guidance	P:	Panel discussion with audience participation
S:	Hands-on simulation under expert guidance		

SUNDAY AM – 14 APRIL 2013		
Time	Presentation	Speaker
<b>SESSION I – BREAST INTERVENTIONS</b> Interventional radiologist: N. Duchesne / Moderator: E. Morris Panel: R. Wilson, M. Lagios, A. Purushotham <i>Learning objectives: 4,5,10,11</i>		
8:00 AM	Qz (10) Welcome address (Budapest, Hungary) The Breast Course™ Demographics	E. Morris
8:15 AM	Case presentations and management discussion	R. Wilson
8:45 AM	Q(15) Welcome address Breast biopsies demonstrations	N. Duchesne
10:00 AM	Refreshments	
10:30 AM	Q (15) Breast biopsies demonstrations (continued)	N. Duchesne
12:00 PM	Q (5) Surgical and biopsy specimen handling	M. Lagios
12:30 PM		

## SUNDAY PM – 14 APRIL 2013

Time		Presentation	Speaker
<b>SESSION II – HIGH-RISK</b> <b>Moderator: R. Pijnappel</b>			
<i>Learning objectives: 1,3,6</i>			
1:30 PM	Q (5)	Breast anatomy/histology: fundamentals to understand staging and tumor grading	A. Purushotham, M. Lagios
2:00 PM	Q (5)	High-risk pathologies	M. Lagios
2:30 PM	Q (5)	High-risk lesion imaging presentation	R. Pijnappel
3:00 PM	Q (10)	High-risk lesion obtained on image-guided biopsies: follow-up and management	R. Wilson, E. Morris
3:30 PM		Refreshments	
4:00 PM	Q (5)	Genetic findings in breast cancer	D. Armstrong
4:30 PM	Q (5)	Consensus of screening, follow-up and management of high-risk patients	R. Pijnappel
5:00 PM	P (30)	Case presentations and management discussion: high-risk lesions	M. Lagios; Panel
5:30 PM		Departure	
6:30 PM	P (30)	Live webinar: Interventional cases, management and follow-up	R. Wilson

## MONDAY AM – 15 APRIL 2013

### EARLY MORNING SESSION - INTERDISCIPLINARY (OPTIONAL)

*Learning objectives: 1,6,11*

7:00 AM Q (5) Breast medical oncology explained: What you need to know D. Armstrong

7:50 AM Refreshments

### SESSION III – DCIS UPDATE

Moderator: M. Lagios

*Learning objectives: 1,6,11*

8:00 AM	Q (5)	DCIS pathology update	M. Lagios
8:30 AM	Q (5)	DCIS imaging update	R. Pijnappel
9:00 AM	Q (5)	DCIS management update	TBD
9:30 AM	P (30)	Case presentations and management discussion: DCIS	R. Wilson, Panel

10:00 AM Refreshments

### SESSION IV – INVASIVE BREAST CANCER MANAGEMENT

Moderator: A. Purushotham

*Learning objectives: 6,7,9*

10:30 AM	Q (5)	Imaging of invasive breast cancer with respect to its histology	E. Wilson
11:00 AM	Q (5)	Lymph node imaging and intervention	R. Wilson
11:30 AM	Q (5)	Surgery in the era of biomarkers and novel systemic and regional therapies	A. Purushotham

12:00 PM Lunch period

MONDAY PM – 15 APRIL 2013			
Time		Presentation	Speaker
SESSION V – INVASIVE BREAST CANCER (CONTINUED)			
Moderator: D. Armstrong			
Learning objectives: 7,8,9,11			
1:00 AM	Q (5)	Pre-operative MRI	E. Morris
1:30 PM	Q (5)	Brachytherapy and external beam options	TBD
2:00 PM	Q (5)	Neoadjuvant and adjuvant therapy options	D. Armstrong
2:30 PM	P (5)	Case presentations and management discussion: invasive breast cancer	R. Pijnappel; Panel
3:00 PM		Refreshments	
SESSION VI – MODALITY-SPECIFIC TOPICS			
Moderator: N. Duchesne			
Learning objectives: 2			
3:30 PM	Q(5)	Breast tomosynthesis principles and case presentations	R. Pijnappel
4:00 PM	Q(10)	Breast ultrasound: elastography, AWBUS and demonstration w/ volunteers	N. Duchesne
		Practical workshop guidelines	
5:30 PM		Departure	
6:30 PM	P (30)	Live webinar: Screening cases and their management: mammo, AWBUS, MRI	N. Duchesne

TUESDAY AM – 16 APRIL 2013			
Time		Presentation	Speaker
EARLY MORNING SESSION – INTERDISCIPLINARY (OPTIONAL)			
Learning objectives: 1,6,11			
7:00 AM		Q (5) Breast surgery explained: What you need to know	A. Purushotham
7:50 AM		Refreshments	
SESSION VII – PRACTICAL WORKSHOPS			
Learning objectives: 2,3,4,5 / 7,8,9,10			
8:00 AM	GROUP A Image-guided procedures workshop <ul style="list-style-type: none"><li>Wet demos: US-guided biopsies (N. Duchesne)</li><li>Dry demos: Stereo-, MRI-guided biopsies, and CAD (E. Morris)</li><li>Successful biopsy techniques across modalities (R. Pijnappel)</li></ul> S(120)	ANY GROUP Case presentations w/ electronic voting <ul style="list-style-type: none"><li>Screening mammograms: recall or no recall? (R. Wilson)</li></ul> Qz (120)	ANY GROUP (MAX 50) Interdisciplinary board case studies <ul style="list-style-type: none"><li>DCIS management and radiotherapy options (M. Lagios, A. Purushotham)</li></ul> P(120)
10:00 AM		Refreshments	
10:30 AM	GROUP B Image-guided procedures workshop <ul style="list-style-type: none"><li>Wet demos: US-guided biopsies (R. Wilson)</li><li>Dry demos: Stereo-, MRI-guided biopsies, and CAD (R. Pijnappel)</li><li>Successful biopsy techniques across modalities (N. Duchesne)</li></ul> S(120)	ANY GROUP Case presentations w/ electronic voting <ul style="list-style-type: none"><li>Breast MRI: screening, high risk DCIS and biopsies (E. Morris)</li></ul> Qz (120)	ANY GROUP (MAX 50) Interdisciplinary board case studies <ul style="list-style-type: none"><li>What are adequate margins for resection, with or without radiotherapy? (M. Lagios, A. Purushotham)</li></ul> P(120)
12:30 PM		Lunch period	

TUESDAY PM – 16 APRIL 2013		
Time	Presentation	Speaker
<b>SESSION VIII – PRACTICAL WORKSHOPS</b> <i>Learning objectives: 2,3,4,5 / 7,8,9,10</i>		
1:30 PM	<b>GROUP C</b> Image-guided procedures workshop <ul style="list-style-type: none"> <li>Wet demos: US-guided biopsies (R. Pijnappel)</li> <li>Dry demos: Stereo-, MRI-guided biopsies, and CAD (E. Morris)</li> <li>Successful biopsy techniques across modalities (R. Wilson)</li> </ul> S(120)	<b>ANY GROUP</b> Case presentations w/ electronic voting <ul style="list-style-type: none"> <li>Diagnostic cases presentation and management (nipple discharge; male breasts; implants; inflammatory breast; post-op breast; young patient) (N. Duchesne)</li> </ul> Qz (120)
		<b>ANY GROUP (FIRST 50)</b> Interdisciplinary board case studies <ul style="list-style-type: none"> <li>Lymph node pathological assessment, treatment options for minimal SN involvement, need for axillary irradiation when patient staged N1mic on SN biopsy (M. Lagios, A. Purushotham, D. Armstrong)</li> </ul>
3:30 PM	Refreshments	
4:00 PM	<b>GROUP D</b> Image-guided procedures workshop <ul style="list-style-type: none"> <li>Wet demos: US-guided biopsies (N. Duchesne)</li> <li>Dry demos: Stereo-, MRI-guided biopsies, and CAD (R. Wilson)</li> <li>Successful biopsy techniques across modalities (R. Pijnappel)</li> </ul> S(120)	<b>ANY GROUP</b> Case presentations w/ electronic voting <ul style="list-style-type: none"> <li>MRI cases false positive and pitfalls (E. Morris)</li> </ul> Qz (120)
		<b>ANY GROUP (FIRST 50)</b> Interdisciplinary board case studies <ul style="list-style-type: none"> <li>TBD</li> </ul>
6:00 PM	Departure	

WEDNESDAY AM – 17 APRIL 2013		
Time	Presentation	Speaker
<b>EARLY MORNING SESSION – INTERDISCIPLINARY (OPTIONAL)</b> <i>Learning objectives: 9,10</i> 7:00 AM Q (5) Radiation oncology explained: What you need to know TBD		
7:50AM	Refreshments	
<b>SESSION IX – CURRENT CONTROVERSIES</b> Moderator: R. Wilson <i>Learning objectives: 6,8,9</i> 8:00 AM Q (5) Breast cancer screening with mammography R. Wilson 8:30 AM Q (5) Role of nuclear imaging R. Pijnappel 9:00 AM Q (5) Oncotyping: What should be its influence on management? D. Armstrong 9:30 AM Q (5) Partial vs. conventional breast irradiation TBD		
10:00 AM	Refreshments	
<b>SESSION X – INTERDISCIPLINARY MANAGEMENT</b> Moderator: N. Duchesne <i>Learning objectives: 6,10,11</i> 10:30 AM P (60) Return to live cases N. Duchesne, Panel 11:30 AM Q (5) Interdisciplinary management N. Duchesne		
12:00 PM	Departure	