

THE BREAST COURSE 2010

Learning objectives

Our focus is on small, image detected breast cancer.

General objectives:

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

- Identify state-of-the-art advances in detection, intervention and therapy for breast cancer; and
- Integrate most recent practice guidelines for small, image detected breast cancer in his/her daily practice

In particular, participants will be able to:

- Explain the major pathologies affecting the breast;
- Explain existing, novel and state-of-the-art breast imaging techniques;
- Describe appropriate procedures for stereotactic, U/S, or MRI guided minimally invasive breast biopsy;
- Describe surgical management approaches of breast cancer; and
- Explain current procedures in post-interventional chemotherapy, brachytherapy and radiotherapy.

Specific objectives:

At the end of specific plenaries the participants will be able to:

- Implement guidelines for the follow-up of high risk subjects
- Utilize the definitive histologic diagnosis provided by percutaneous breast biopsy to reduce the number of surgeries required for diagnosis and therapy
- Utilize diagnostic information to optimally select the right therapy course
- Evaluate options for energy delivery via accelerated partial breast irradiation or breast brachytherapy

At the end of the Practicum workshops participants will be able to:

- Detect breast pathologies using conventional imaging technologies (mammography; ultrasound; magnetic resonance imaging)
- Evaluate the impact and usefulness of other imaging technologies in the diagnostic procedure (near infra red; breast tomography; elastography)
- Select and utilize the appropriate sampling and guidance systems for optimal histological diagnosis when performing minimally invasive breast biopsy

SUNDAY AM – 21 FEBRUARY 2010		
<i>Time</i>	<i>Presentation</i>	<i>Speaker</i>
SESSION I – BREAST INTERVENTIONS (LIVE CASES) Moderator: R. Kuske		
8:00 AM	Introduction to The Breast Course Interdisciplinary Breast Care Management	R. Kuske
8:15 AM	Cases #1 / 2 – Imaging presentation	R. Wilson
8:20 AM	Fundamentals of breast biopsies – part I	N. Duchesne
8:35 AM	Case #1 – Ultrasound-guided breast biopsy	N. Duchesne
8:55 AM	Case #2 – Ultrasound-guided breast biopsy	N. Duchesne
9:15 AM	Fundamentals of radiological / pathological correlation	M. Lagios
9:45 AM	Refreshments	
10:15 AM	Case #3 / 4 - Imaging presentation	R. Wilson
10:20 AM	Case #3 - Ultrasound-guided breast biopsy	N. Duchesne
10:40 AM	Case #4 – Ultrasound-guided breast biopsy	N. Duchesne
11:00 AM	Case #5 – Imaging presentation	R. Wilson
11:05 AM	Fundamentals of breast biopsies – part II	N. Duchesne
11:15 AM	Case #5 – MRI-guided breast biopsy	N. Duchesne
11:45 AM	Panel discussion	R. Kuske
12:00 PM	Lunch period	

SUNDAY PM – 21 FEBRUARY 2010		
<i>Time</i>	<i>Presentation</i>	<i>Speaker</i>
SESSION II – PRACTICUM		
1:00 PM	Practicum guidelines – R. Wilson	
1:30 PM	Group A: Image-guided procedures: stereo-, U/S-, and MRI-guided biopsies; balloon and interstitial brachytherapy	Groups B, C, D: Expert-reviewed case studies w/ electronic voting: pathology; mammography; ultrasound
	MRI workshop: principles, CAD, cases	
3:30 PM Refreshments		
SESSION III – SCREENING, ASSESSING AND MANAGING HIGH RISK PATIENTS		
Moderator: D. Armstrong		
4:00 AM	Increased risk: who, how to assess and management options?	D. Armstrong
4:30 AM	The role of imaging	C. Kuhl
5:00 AM	Chemoprevention	D. Armstrong
5:30 PM	Faculty's Cases	Panel
6:00 PM Debate: At high risk, or not? - Pro/Con: D. Armstrong/M. Lagios		

MONDAY – 22 FEBRUARY 2010		
<i>Time</i>	<i>Presentation</i>	<i>Speaker</i>
EARLY MORNING SESSION		
7:00 AM	Optimize your screening program	N. Wadden
7:50AM	Refreshments	
SESSION IV – BENIGN, BORDERLINE AND HIGH RISK PATHOLOGY Moderator: N. Wadden		
8:00 AM	Benign breast problems (microcalcifications, nipple discharge, cysts, FA)	N. Wadden
8:30 AM	Mammographic presentation of high-risk lesions	N. Wadden
9:00 AM	Sonographic presentation of high-risk lesions	T. Stavros
9:30 AM	MRI presentation of high-risk lesions	C. Kuhl
10:00 AM	Refreshments	
10:30 AM	Rad/path management of high-risk lesions	M. Lagios/N. Duchesne
11:00 AM	Faculty's cases	Panel
12:00 PM	Lunch period	

MONDAY PM – 22 FEBRUARY 2010		
<i>Time</i>	<i>Presentation</i>	<i>Speaker</i>
SESSION V – PRACTICUM		
1:00 PM	Group B: Image-guided procedures: stereo-, U/S-, and MRI-guided biopsies; balloon and interstitial brachytherapy MRI workshop: principles, CAD, cases	Groups A, C, D: Expert-reviewed case studies w/ electronic voting: advanced pathology, high-risk and pre-operative MR, interdisciplinary tumor board
3:00 PM Refreshments		
SESSION VI – TECHNIQUE Moderator: T. Stavros		
3:30 AM	Ultrasound technique	T. Stavros
4:00 AM		
4:30 PM	Participant's Cases	Panel
5:30 PM Debate – Radiotherapy in DCIS – Part III – Pro: R. Kuske/Con: M. Lagios		

TUESDAY AM – 23 FEBRUARY 2010		
<i>Time</i>	<i>Presentation</i>	<i>Speaker</i>
EARLY MORNING SESSION		
7:00 AM	Incredible oncoplastic surgical options for breast cancer	M. Silverstein
7:50AM	Refreshments	
SESSION VII – DCIS Moderator: C. Kuhl		
8:00 AM	DCIS pathology	M. Lagios
8:30 AM	DCIS on MRI	C. Kuhl
9:00 AM	DCIS on mammography	N. Wadden
9:30 AM	DCIS on sonography	T. Stavros
10:00 AM	Refreshments	
10:30 AM	Interdisciplinary approach to DCIS and small invasive breast cancer	M. Silverstein/M. Lagios N. Duchesne/R. Kuske/D. Armstrong
11:00 AM	Faculty's cases	Panel
12:00 PM	Lunch period	

TUESDAY PM – 23 FEBRUARY 2010		
<i>Time</i>	<i>Presentation</i>	<i>Speaker</i>
SESSION VIII – PRACTICUM		
1:00 PM	Group C: Image-guided procedures: stereo-, U/S-, and MRI-guided biopsies; balloon and interstitial brachytherapy MRI workshop: principles, CAD, cases	Groups A, B, D: Novel modalities: genetic screening (D. Armstrong); breast tomosynthesis (N. Waddden); elastography (T. Stavros)
3:00 PM	Refreshments	

WEDNESDAY – 24 FEBRUARY 2010		
<i>Time</i>	<i>Presentation</i>	<i>Speaker</i>
EARLY MORNING SESSION		
7:00 AM	Lymph node imaging and intervention	R. Wilson
7:30 AM	Lymph node pathological assessment	M. Lagios
7:50 AM	Refreshments	
SESSION IX – TREATMENT Moderator: M. Silverstein		
8:00 AM	Surgical management	M. Silverstein
8:30 AM	Pathological prognostic factors	M. Lagios
9:00 AM	Neo/Adjuvant therapy update	D. Armstrong
9:30 AM	Advanced radiotherapy options	R. Kuske
10:00 AM	Refreshments	
SESSION X – LIVE CASE DISCUSSIONS Moderator: N. Duchesne		
10:30 AM	Return to Live Cases	Panel
12:00 PM	Departure	