Diagnostic and interventional breast ultrasounds have become the cornerstone for the work-up of breast lesions. Mammography remains the Gold Standard for screening. Magnetic Resonance is promising in the characterization of breast lesions. However, the final answer remains tissue diagnosis.

Radiologists are always facing the following issues:

- Screening in high risk patients: The role of MR, ultrasound and mammography.
- Lobular Carcinoma: the best imaging modality for its diagnosis.
- Invasive vs in situ carcinoma.
- Imaging and pathological issues.

Since 1990, we have started addressing these issues through a series of MEDICA seminars: 1990 with Dr. Kopans in Montreal, 1996 IBUS seminar at Château Vaudreuil, 1998 in Québec City, 2000 at the Ritz Carlton in Montreal, 2002 at Château Bromont in the Eastern Townships, 2004 at Château Vaudreuil, and 2006 at the Ritz Carlton Montreal.

This year, we have again gathered a multidisciplinary team of specialists including radiologists from the McGill University Health Center, the University of California Medical Center, the Brigham and Women’s Hospital Boston (Harvard Medical School) along with a breast medical oncologist from St. Luke's-Roosevelt Hospital Center.

The Breast faculty will include Dr. Donald Eddé, Dr. Hope E. Peters, Dr. Gabriel Sara, Dr. E. Sickles, and Dr. Christine Wee.

During this seminar, three additional topics will be covered: Thyroid Imaging and Intervention, Breast Medical Oncology, and MR Imaging.

We are also very pleased to advise that we will have a full magnetic resonance diagnostic day covering brain tumour imaging, stroke, CNS infectious disease, spinal pathology, and GI pathology including liver, biliary, pancreas and anorectal pathology.

The MR faculty include Dr. Koenraad Mortele, from the Brigham and Women’s Hospital Boston (Harvard Medical School), and from McGill University: Dr. Raquel Del Carpio-O’Donovan, Dr. Maria Cortes, and Dr. Gaurav Goel.

This seminar will be hosted in downtown Montreal during the beautiful month of September.
It would be our great pleasure to welcome you again to our TENTH MEDICA Imaging Seminar in order to correlate mammography, ultrasound, magnetic resonance and pathology of the breast while discussing magnetic resonance as a tool for problem solving in brain, spine and GI pathology.

PURPOSE OF THE SEMINAR:

- To define and establish the essential role of breast ultrasound for differentiation of benign vs malignant breast lesions, as well as an image guided biopsy technique and a complementary tool to mammography and stereotaxy in the workup of breast pathology.

- To correlate mammography, breast ultrasound, magnetic resonance, digital mammography and pathology: diagnostic and interventional techniques, imaging of in situ vs invasive carcinoma, and imaging of lobular carcinoma.

- To define and assess the role of screening breast ultrasound, screening mammography, magnetic resonance and digital mammography in high risk patients.

- To define and assess the role of the medical oncologist in the treatment of breast cancer.

- To discuss thyroid ultrasound imaging and intervention along with pathological correlation.

- To discuss the role of MR imaging as a problem solving diagnostic tool in neuroradiology and gastrointestinal imaging, and in the diagnosis of a neuro (brain and spine), solid abdominal organs and GI pathology.

At the end of this MR seminar the participants will not only expand their clinical MR knowledge, but will also learn, by interacting with the experts, ways to improve their diagnostic MR accuracy. They will also learn to use MR as an efficient diagnostic and complementary tool to CT and Ultrasonography, in order to achieve a more accurate diagnosis of pathology.

To register please contact: Mrs. Nadia Jabbour at 514-739-6169 or by email: medicaseminar@bellnet.ca

For hotel reservations, please contact Best Western Ville-Marie Hotel and Suites (reservation department) at 1-800-361-7791

FACULTY

BREAST IMAGING

Donald Eddé, M.D.
Medical Director Ellendale Radiology
Montreal Early Diagnostic Center & Associates (MEDICA)
Diagnostic Radiology, Jean-Talon Hospital

*Hope E. Peters, M.D.*
Radiologist Breast Imaging Division
Harvard Medical School, Brigham and Women’s Hospital

*Gabriel Sara M, M.D.*
Medical Director, Hematology & Oncology
St. Luke's-Roosevelt Hospital Center
Assistant Clinical Professor of Medicine
College of Physicians & Surgeons at Columbia University

*Edward A. Sickles, M.D.*
Professor Emeritus, Breast Imaging Section, Department of Radiology
University of California-San Francisco Medical Center

*Christine Wee, M.D.*
Diagnostic Radiologist
Diagnostic Radiology, Jean-Talon Hospital
Montreal Early Diagnostic Center & Associates (MEDICA)

**MR IMAGING**

*Maria Cortes, M.D.*
Neurointerventional Radiologist
Department of Neuroradiology
Montreal Neurological Hospital
McGill University Health Center

*Raquel Del Carpio-O'Donovan, M.D., FRCPC*
Professor of Radiology
Osler Fellow
Vice Chairman, Radiology McGill University
Director Neuroradiology Fellowship Program
McGill University Health Center

*Gaurav Goel, MBBS MD DM (Neuroradiology)*
Fellow Neurointerventional Radiology
Montreal Neurological Institute
McGill University Health Center

*Koenraad J. Mortele, M.D.*
Associate Professor of Radiology of Harvard Medical School
Associate Director of Division of Abdominal Imaging and Intervention
Director of Abdominal and Pelvic MRI
Accreditation:

This event is an accredited group learning activity as defined by the Maintenance of Certification Program of the Royal College of Physicians and Surgeons of Canada.

Earn 15 credits in breast imaging and pathology.

Earn 8 credits in MR imaging.

Certificate of attendance will be issued.

Program

Friday, September 17th, 2010: MR IMAGING

7:00 a.m. Registration and continental breakfast
8:00 a.m. Opening remarks Eddé
8:05 a.m. Unusual MRI findings in brain tumours Cortes
8:45 a.m. Acute stroke: endovascular management strategies Goel
9:30 a.m. Spinal tumours: MR imaging Del Carpio
10:15 a.m. Coffee Break
10:45 a.m. CNS: infectious diseases Del Carpio
11:45 a.m. Q&A
12:05 p.m. Lunch
1:30 p.m. Diffuse liver disease Mortele
2:15 p.m. MRCP Mortele
3:00 p.m. Coffee Break
3:30 p.m. Pancreas: from structure to function Mortele
4:45 p.m. Anorectal pathology Mortele
5:30-6:30 p.m. Round table discussion

Saturday, September 18th, 2010: Breast Imaging

7:00 a.m. Registration and continental breakfast
8:00 a.m. Opening remarks Edde
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker(s)</th>
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</thead>
<tbody>
<tr>
<td>8:05 a.m.</td>
<td>High risk screening: Mammo, US and MRI</td>
<td>Sickles</td>
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<tr>
<td>8:45 a.m.</td>
<td>Imaging DCIS: Microcalcifications and nodule</td>
<td>Sickles</td>
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<tr>
<td>9:45 a.m.</td>
<td>Q&amp;A</td>
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<td>10:00 a.m.</td>
<td>Coffee Break</td>
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<tr>
<td>10:30 a.m.</td>
<td>Imaging analysis of breast asymmetries</td>
<td>Sickles</td>
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<tr>
<td>11:45 a.m.</td>
<td>Q&amp;A</td>
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<tr>
<td>12:00 p.m.</td>
<td>Lunch</td>
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<tr>
<td>1:30 p.m.</td>
<td>Solid benign and malignant masses: Ultrasonographic appearance</td>
<td>Peters</td>
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<tr>
<td>2:15 p.m.</td>
<td>Breast MR as a problem solving tool</td>
<td>Peters</td>
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<tr>
<td>3:00 p.m.</td>
<td>Coffee Break</td>
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<tr>
<td>3:30 p.m.</td>
<td>Breast intervention: stereo vs US vs MR guidance</td>
<td>Peters</td>
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<tr>
<td>4:15 p.m.</td>
<td>The value of second look ultrasound after MR imaging of breast lesions.</td>
<td>Wee</td>
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<tr>
<td>4:45 p.m.</td>
<td>Interactive case study: Series of challenging cases on mammography, ultrasound and MR</td>
<td>Peters &amp; Sickles</td>
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<tr>
<td>5:30-6:30 p.m.</td>
<td>Round table discussion</td>
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**Sunday, September 19th, 2010: Breast and Thyroid Imaging**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>7:00 a.m.</td>
<td>Continental breakfast</td>
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<tr>
<td>8:00 a.m.</td>
<td>Lobular carcinoma: an imaging challenge</td>
<td>Sickles</td>
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<tr>
<td>8:45 a.m.</td>
<td>False negative and false positive mammography interpretations: methods to decrease their incidence</td>
<td>Sickles</td>
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<tr>
<td>9:45 a.m.</td>
<td>Q&amp;A</td>
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<tr>
<td>10:00 a.m.</td>
<td>Coffee Break</td>
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<tr>
<td>10:30 a.m.</td>
<td>Invasive breast cancer on mammographic imaging</td>
<td>Sickles</td>
</tr>
<tr>
<td>11:45 a.m.</td>
<td>Q&amp;A</td>
<td></td>
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<tr>
<td>12:00 p.m.</td>
<td>Lunch</td>
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<tr>
<td>1:30 p.m.</td>
<td>US guided biopsy of solid thyroid nodules</td>
<td>Eddé</td>
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<tr>
<td>2:15 p.m.</td>
<td>Breast medical oncology- uptate 2010</td>
<td>Sara</td>
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<tr>
<td>3:15-5 p.m.</td>
<td>Round table discussion including a radiologist, and a medical oncologist on the panel</td>
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