2015
Sonography Canada National Conference & AGM

Moncton,
New Brunswick
May 21- 23, 2015

sonographycanada.ca
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A special thank you, to the Moncton Local Planning Committee.
The Sonography Canada Board of Directors, along with the office staff and on behalf of our members, is pleased to have worked with such a dedicated group of professionals. This year’s new and exciting French stream would not have been possible without the hard work of these individuals.

Co-Chair - Mark Hollinger CRGS, CRCS, CRVS Clinical Technology Consultant for Zonare Ultrasound Systems. Co-Chair - Becky Stockford RDMS, CRGS Diagnostic Medical Sonographer at Saint John Regional Hospital-Horizon Health Network. Registration - Joan Porter, CRGS, CRVS, Dr Everett Chalmers Hospital. Education Committee - Hilary Meek BHSc, BA, CRGS, RDMS. Sonographer, CHU Dr. George L. Dumont Hospital. Social Committee/Translator - Lise Melanson, CRGS Échographiste/Sonographer Réseau de santé Vitalité Health Network Centre hospitalier universitaire Dr-Georges-L. Dumont. Social Committee - Madelaine Dionne Haché, BSc, BScTR, CRGS, RDMS Sonographer CHU Dr. Georges-L.-Dumont. Social Committee - Nicole Karatzios, BScTR, CRGS, RDMS, Sonographer CHU Dr. Georges-L.-Dumont. Social Committee - Mary Beth Keefe, CRGS, South East Hospital Corporation

With much appreciation,
The Sonography Canada Board of Directors

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2015 Sonography Canada National Conference & AGM 3
On behalf of the City of Moncton, it is my pleasure to welcome everyone to the Sonography Canada National Conference.

Sonographers and ultrasound technicians are an integral part of the healthcare team. We trust that you will take this opportunity to enjoy not only the conference, but also the many features Moncton has to offer.

I hope that this year’s conference proves to be one of the best to date. I am pleased that you are taking this chance to experience Moncton’s warm hospitality and I hope you will enjoy your stay in our city.

Au nom de la Ville de Moncton, je vous souhaite chaleureusement la bienvenue à la Conférence nationale d’Échographie Canada.

Les échographistes et techniciens d’ultrason font partie intégrante de l’équipe de soins de santé. Nous espérons que vous profiterez de votre passage chez nous pour découvrir tout ce que Moncton a à offrir.

Je suis certain que la conference sera un succès sur toute la ligne. Amusez-vous bien à Moncton, profitez de notre hospitalité légendaire et revenez nous voir bientôt!

George LeBlanc
Mayor / Maire
City of / Ville de Moncton
Pre-Conference Workshop  
**Shediac Room, Wednesday May 20th 8am-5pm**  
New this year; hands-on “introduction to MSK of the upper extremity”.

Welcome Reception  
**Shediac Foyer, Wednesday May 20th 6-8pm**  
Kick start the 2015 National conference and join fellow sonographers to socialize and network. Registration packages will be available for pick up for those able to attend.

Exhibitors Reception  
**Exhibit Hall, Thursday May 21st 5pm-8pm**  
Enjoy hors d’oeuvres and refreshments while exhibit representatives provide demonstrations of their latest equipment.

2015 Annual General Meeting (AGM)  
**Ballroom A/B, Friday May 22nd 4pm-5pm**

Networking Events  
**Le Pays de la Sagouine, Friday May 22nd 5:30pm**  
The World Capital of Acadian Cultural Dining and Entertainment, Le Pays de la Sagouine is an eclectic reproduction of a prohibition-era fishing village inspired by international award winning novelist, Antonine Maillet, and her most celebrated character, La Sagouine.

Acadian Kitchen Party Experience  
All you want to know about the Acadian Culture! Discover the Acadian culture through unique characters, theatre, music and comedy. First, a colorful and energetic story teller, will transport you to the universe of Acadian history and local tales and legends. Then, the fiddler will entertain you with the sounds of l’Acadie. This kitchen party experience will keep your fingers snapping, your feet tapping and your spirits light. They will even show you how to play the spoons!

Awards Luncheon  
**Ballroom A/B, Saturday May 23rd 1-2:30pm**  
Sonography Canada’s Awards Ceremony recognizes the 2015 Sonography Canada Award Winners. Be part of the celebration of excellence in Canadian sonography.
Le Pays de la Sagouine is an eclectic reproduction of a prohibition-era fishing village inspired by international award winning novel-ist, Antonine Maillet, and her most celebrated character, La Sagouine.
Discover the Acadian culture through unique characters, theatre, music, comedy, dance and cuisine in the town of Bouctouche.

Tickets are $85
## Agenda – Thursday May 21st 2015

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>07:00-07:15</td>
<td>Breakfast</td>
</tr>
<tr>
<td>07:15-07:30</td>
<td>Welcome - Mark Hollinger and Rebecca Stockford</td>
</tr>
<tr>
<td>07:30-08:30</td>
<td>Mark Black</td>
</tr>
<tr>
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<td>Increased Risk of Musculo-Skeletal Injury in Medical Sonographers and Possible Solutions to Minimizing Injury Risk - A Research Study - Denise McIver and Lorraine Glass</td>
</tr>
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<tr>
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<td>A Sonographers Approach to Appendicitis – Ray Lappalainen</td>
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<tr>
<td>10:45-11:30</td>
<td>Fundamental Understanding of Speckle Tracking Echocardiography – Dr. Dylan Blacquiere</td>
</tr>
<tr>
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</tr>
<tr>
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<td>Ultrasound Jeopardy – Jean-Pierre Martel</td>
</tr>
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<td>Echocardiographic Assessment of Adult Congenital Heart Disease and the Post-Operative Patient – Anna Harris</td>
</tr>
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</tr>
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<td>Assessment of Diastolic Function – Dr. Sherief Kamel</td>
</tr>
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</tr>
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<td>Embolique, Un examen d’un problème courant en pratique OBS-GYN – Dr. Daniel Boccari</td>
</tr>
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- OB Abdominal Heart – Dr. James Andrews
- Ultrasound Jeopardy – Jean-Pierre Martel
- A Sonographers Approach to Appendicitis – Ray Lappalainen
- Echocardiographic Assessment of Adult Congenital Heart Disease and the Post-Operative Patient – Anna Harris

### Cardiac
- Assessment of Diastolic Function – Dr. Sherief Kamel
- Role of Sonography in Hypertension - Robert Le Long
- Fibromes : Un examen d’un problème courant en pratique OBS-GYN – Dr. Karen Desrosiers
- Echocardiographic Assessment of Adult Congenital Heart Disease and the Post-Operative Patient – Anna Harris

### Vascular
- Increased Risk of Musculo-Skeletal Injury in Medical Sonographers and Possible Solutions to Minimizing Injury Risk – Denise McIver and Lorraine Glass
- A Sonographers Approach to Appendicitis – Ray Lappalainen
- Echocardiographic Assessment of Adult Congenital Heart Disease and the Post-Operative Patient – Anna Harris

### French
- Échographie mammaire – Dr. Remi Savoie
- Fundamentale Verständigung der Speckle Tracking Echokardiographie – Dr. Dylan Blacquiere
- A Sonographers Approach to Appendicitis – Ray Lappalainen
- Echocardiographische Beurteilung von erworbener Herzerkrankungen und postoperativen Patienten – Anna Harris

### Award Winner Presentations
- OB Abdominal Heart – Dr. James Andrews
- Ultrasound Jeopardy – Jean-Pierre Martel
- A Sonographers Approach to Appendicitis – Ray Lappalainen
- Echocardiographic Assessment of Adult Congenital Heart Disease and the Post-Operative Patient – Anna Harris
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Breakfast
0800-0850
Ultrasound of First Trimester Pregnancy Failure – Dr. David Kydd
Cardiac Sarcoid – Dr. David Bewick
Pediatric Ultrasound Review – Laura Thomas
Les maladies musculo-squelettiques et le rôle de l'échographie dans une clinique de traitement de la douleur – Dr. Richard Dumais
0900-0950
Ultrasound Evaluation of Cystic Breast Masses – Dr. Connie Hapgood
Complex Coronary Artery Disease and PCI – The Incremental Value of Stress Echo – Dr. David Bewick
Pediatric Spine – Arun Mohanta
Nouvelles sur la maladie carotidienne. Investigation et traitements – Dr. Michel Bourgoin
1000-1030
Coffee Break
1030-1120
The Problem with Ectopics – Ray Lappalainen
Multimodality Assessment of Left Ventricular Systolic Function – Luc Cormier
Musculoskeletal Ultrasound in Pediatrics – Arun Mohanta
Ultrason testiculaire: Techniques et anomalies les plus fréquentes – Dr. Isabelle Savoie
1130-1220
Sonography of the Tonsils and Base of the Tongue – Robert De Jong
Unusual Baker Cysts – Tony Li
Pediatric Gastroenterology: Technique and Clinical Applications of Ultrasound – Luc Trottier
L’apport de l’échographie dans le domaine de gynéco-oncologie – Dr. Carole Williams
1220-1330
Lunch
1330-1420
Management of Severe RH Disease – Marie Hadfield
Role of Ultrasound in the Surveillance of Endovascular Aneurysm Repair – Dr. Sudhir Nagpal
OB General Heart Routine – Dr. Deborah Thompson
L’apport de l’échographie dans le domaine de l’infertilité – Dr. Alfred Robichaud
1430-1520
Ultrasound Evaluation of Tropical and Neglected Tropical Diseases – Wasiu Raimi
Management Strategies for Superficial Femoral Artery Disease – Dr. Claus Schaus
Abdominal Vascular for the Generalist Sonographer – Janice Scharf
Cancer des ovaires – Réjean Savoie
1530-1600
Coffee Break
1600-1700
Sonography Canada AGM
17:30
Social Networking Event
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</tr>
</tbody>
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**Social Networking Event**: 17:30
Agenda – Saturday May 23rd

0700-0750  Breakfast

0800-0850  Answer the Question - Imaging Revisited – Dr. Edward Lyons

0855-0945  Trauma of the External Genitalia and the Role of Ultrasound – Jill Hudson

0945-1000  Coffee Break

1000-1050  Contrast Enhanced Ultrasound – Amy Buchan and Erin Nugent

Beyond the Peaks: Carotid Ultrasound – Verna Maschio

1100-1150  Innovation Technology – Andrew Chan

Nano Technology – Andrew Chan

1200-1250  PET CT for Sonographers – Dr. Martin Finnegan

Endovascular Repair of AAA: A Review and Discussion of the Utility of Ultrasound – Don Davidson

1300-1430  Awards Luncheon

Generalist

Vascular
Heart and Double-Lung Transplant Recipient – turned – 4-time Marathon Runner, Best Selling Author Life-Coach and Motivational Speaker.  
Mark Black

Increased Risk of Musculo-Skeletal Injury in Medical Sonographers and Possible Solutions to Minimizing Injury Risk – A Research Study  
Lorraine Glass, MSc, CSEP-CEP  
Denise Maclver, CRGS, CRCS, MEd  
The purpose of this lecture is to identify musculoskeletal contributions to chronic injury in both new and experienced sonographers in the advancing field of ultrasound. It will introduce the findings of a novel technology that reports to reduce risk factors associated with upper body injury in sonographers thus, extending the careers of this occupation.

A Sonographer’s Approach to Appendicitis  
Ray Lappalainen, RDMS, CGS  
A new approach to finding the appendix more frequently will be outlined. As well as, a discussion of the secondary findings of appendicitis, the challenges, and the differentials.

Elastography  
Janice Scharf, RDMS, CRGS, BSc  
Elastography is a quick and easy method that research is showing can help radiologists by helping to determine and differentiate pathological states in tissue. Explore the two main types of elastography and the common and practical ways elastography is used in clinical ultrasound today.
Ultrasound Jeopardy  
Jean-Pierre Martel, MD  
In a fun ‘jeopardy’ style format, audience members will be challenged to interpret ultrasound images and answer questions related to the underlying pathologies from a wide variety of ultrasound studies.

Operative Ultrasound  
Dr. Edward Lyons, OC, Radiologist  
This lecture will be a discussion of operative ultrasound: its uses, techniques, successes, and pitfalls. The many advantages of using the technology and who can benefit from the contributions of operative ultrasound will be outlined.

Case Studies: Fetal Heart Abnormalities  
James Andrews, MD, FRCSC, RDMS  
Case-based review of prenatal ultrasound imaging in fetuses with congenital heart abnormalities.

Award Winners  
Student Presentation Award Winner  
Helen Wismer  
The Stages of Post-traumatic Myositis Ossificans

Excellence in Ultrasound Award Winner  
Michael UY  
Ultrasound and Hemophilia: A Joint Relief
Fundamental Understanding of Speckle-Tracking Echocardiography
Seung-Ju Marcello Na (BSc, RDCS)
The goal of the lecture explore the fundamental concepts of Speckle-Tracking Echocardiography (STE). It will provide a practical guide to its acquisition, illustrate interpretation of outcome data, and discuss the clinical application of novel echocardiographic parameters.

Echocardiographic Assessment of Adult Congenital Heart Disease and the Post-Operative Patient
Anna Harris, RDCS
An overview of congenital heart disease and the clinical role of echocardiography in the diagnosis and assessment of these patients. Case studies will be presented with a focus on congenital disease and the post-operative assessment most commonly seen in the adult population.

Cardioembolic Stroke and Echocardiography
Dr. Dylan Paul Vincent Blacquiere, MD, MSc, FRCPC
Learn the common causes of cardioembolic stroke and recognize some of the common reasons for echocardiography and the findings in these cases. Using case examples, the role of echocardiography in diagnosis and therapy will be considered.
“Be Cool”, Not Stressed: Scan Upper Extremity Vessels with Ease
Lori Arndt, CRGS CRVS RDMS RVT
Learn how easy ultrasound imaging of the upper extremity can be. This lecture will be most helpful for sonographers in the non-vascular lab settings who are required to perform DVT studies and other miscellaneous vascular assessments of the upper extremity. The anatomy, a basic scan protocol, and pathologies will be discussed.

Transcranial Doppler Imaging
Dr. Luc Trottier, CRGS
Expand your knowledge of the Transcranial Doppler Imaging (TCD) technique and understand the usefulness of TCD in children with Sickle cell disease and its use in the detection and monitoring of vasospasam.

Congenital Vascular Abnormalities
Kim G. Boles CRGS, CRVS
This lecture will be a discussion and case presentation of the more common but still rare congenital vascular abnormalities and conditions: Marfan’s syndrome, Klippel Trenaunay syndrome, and Ehlers-Danlos syndrome. Gain a better understanding of the patient population, disease process, and tips and pitfalls of performing vascular examinations on these patients.

The Role of Sonography in Hypertension
Robert De Jong, RDMS, RVT, FSDMS
The focus of the lecture is to increase comprehension of hypertension in the adult and pediatric patient.
Will discuss the role of ultrasound in these patients and give scanning tips to for a successful renal arterial study.
AVM vs. AVF vs. Pseudo Aneurysm. What’s the Difference?
Megan White, CRGS, CRVS
Arteriovenous malformations, arteriovenous fistulas and pseudoaneurysms are often encountered and quite often confused with each other. The goal of the lecture is to describe and differentiate between the abnormalities using sonographic imaging, both 2 dimensional and using colour and spectral analysis. Will explain supporting the findings with alternate medical imaging, i.e. computed tomography angiography or fluoroscopy and discuss the alternate treatments and the importance of the discovery/diagnosis.

SESSIONS EN FRANÇAIS

Échographie mammaire
Dr. Remi Savoie, FRCPC
Présentation fondée sur une(des) étude(s) de cas et axée principalement sur l’échographie mammaire avec une corrélation avec la mammographie et l’IRM.

Fibromes : Un examen d’un problème courant en pratique OBS-GYN
Dr. Karen Desrosiers, FRCSC
Cet exposé sera un examen de la physiopathologie, des observations typiques, du diagnostic et du traitement des fibromes. Il comprendra une discussion sur la gestion et le traitement des fibromes, y compris les nouveaux traitements médicamenteux prometteurs, les techniques non invasives et minimalement invasives, les thérapies radiologiques et le traitement chirurgical définitif.
Histoire de cas : Maladie artérielle des membres inférieurs
Francine Caron, CISSS

Exploration des étapes suivies dans un laboratoire vasculaire pour un patient atteint d’ASO (artériosclérose oblitérante) d’un membre inférieur nécessitant une intervention chirurgicale. Cet exposé présentera de façon générale la gestion du patient et les tests avant et après l’intervention chirurgicale.
GENERALIST SESSIONS

Ultrasound of First Trimester Pregnancy Failure  
Dr. David Kydd, MD, FRCPC, DABR  
This lecture will review the criteria for ultrasound diagnosis of failure and probably failure of 1st trimester pregnancies, and how these criteria have evolved over the past few years.

Ultrasound Evaluation Of Cystic Breast Masses  
Dr. Connie Hapgood, Bsc (Hons), MD, FRCPC  
Gain useful skills for the assessment of breast lesions. This lecture will review the imaging features of benign and malignant cystic breast lesions on ultrasound, determine appropriate management based on sonographic evaluation, and discuss techniques to help avoid ultrasound misinterpretations during diagnostic breast imaging.

The Problem with Ectopics  
Ray Lappalainen, RDMS, CGS  
This lecture will explore: the prevalence of ectopic pregnancy, the possible differentials, confusing information, and discuss some tips on making the diagnosis of ectopic pregnancy. Some interesting case studies will also be included.

Sonography of the Tonsils and Base of Tongue  
Robert De Jong, RDMS, RVT, FSDMS  
Oropharynx cancer is increasing due to the HPV virus. Discover why ultrasound is an exciting option in diagnosing oropharynx cancers with the ability to give information to the oncologist and surgeon that is not available with MRI and CT. This lecture will discuss the initial success in scanning the tonsils and base of tongue in a submandibular approach. Learn the anatomy, pathology, and how to scan the tonsils and base of the tongue.
Modern Management of Severe Rh Disease
Marie Hadfield, RN, RDMS, RDCS
Learn about the role of fetal Doppler in Rh disease and how the contribution of middle cerebral artery peak systolic velocity to clinical practice has led to a dramatic reduction in the number of invasive procedures in the management of red cell alloimmunized pregnancies.

Ultrasound Evaluation of Tropical and Neglected Tropical Diseases
Wasiu Raimi, DIR, BSc, DPR, CRGS
An overview of tropical and neglected tropical diseases and their ultrasound characteristics will be the focus of this lecture. There will be further discussion of the five categories of schistosomiasis determined by ultrasound and its contribution to the management of the disease.

Unusual Baker Cysts
Tony Y Li, CRGS, CRVS, RDMS, RVT, RMSK
Gain a greater understanding of the sonographic features of unusual Baker cysts in relation to the gastrocnemiosemimembranous (G-S) bursa anatomy and learn how to differentiate these cysts from other lesions. The anatomy, typical findings of a Baker cyst, and how to identify the multiple types of unusual Baker cysts will be discussed.

Pediatric Ultrasound: A Brief Review
Laura Thomas MA (ULT), CRGS, RDMS
A brief review of the anatomical differences appreciated in the pediatric population. Normal measurements and some common pathologies of the gastrointestinal system, the liver and pancreas, kidneys and bladder, spine and musculoskeletal anatomy will be the focus.
Pediatric Spine
Arun Mohanta, CRGS, CRCS, MBBS
Learn to practice spinal ultrasound with confidence. This lecture will outline the development of spinal cord and spinal canal with limited discussion of embryology to highlight the developmental anomalies. The ultrasound techniques and instrumentation will be discussed in detail for universal use. Many different types of spinal cord lesions, tumors and surrounding tissue abnormalities will be addressed with relevant imaging.

Musculoskeletal Ultrasound in Pediatrics
Arun Mohanta, CRGS, CRCS, MBBS
Musculoskeletal abnormalities in pediatrics are very different from those found in the adult population. This presentation will discuss the congenital/developmental anomalies, inflammatory conditions, infective processes, neoplastic conditions and traumatic conditions commonly encountered in pediatric musculoskeletal ultrasound. The advantages of ultrasound investigation over other modalities will also be outlined.

Pediatric Gastroenterology: Technique and Clinical Applications of Ultrasound
Luc Trottier, CRGS
This lecture will discuss the anatomy and ultrasound techniques for scanning the pediatric GI tract. Common pathologies, their associated sonographic findings, and imaging correlations will be presented.

The Routine Prenatal Fetal Cardiac Ultrasound Screen
Dr. Deborah L. Thompson, MD, FRCP(C)
The evolution and importance of fetal cardiac ultrasound screening: past, present and future will be explored in this lecture.
Abdominal Vascular Sonography for the Generalist Sonographer
Janice Scharf, RDMS, CRGS, BSc

Abdominal vascular sonography is not considered part of the entry to level practice for the generalist sonographer in Canada. That being said, many sonographers are being asked to interrogate the portal and mesenteric vessels. Also, there are times when findings during a regular abdominal ultrasound would indicate doing a vascular evaluation of the SMA, Celiac vessels or portal and hepatic vessels. This talk will review Doppler techniques, anatomy, clinical indications and pearls and pitfalls for abdominal vascular sonography of the liver and mesenteric vessels.

CARDIAC SESSIONS

Cardiac Sarcoid
Dr. David Bewick, Cardiologist

Cardiac sarcoid, although relatively rare, can be a potentially fatal disorder and hence, it is important to make a diagnosis. The myriad of the potential echocardiography manifestations will be outlined and discussed.

Complex Coronary Artery Disease and PCI – The Incremental Value of Stress Echo
Dr. David Bewick, Cardiologist

Stress echocardiography has been demonstrated to be clinically useful in the evaluation of patients with chest pain. In addition, percutaneous interventions can be guided with objective evidence of inducible ischemia from the “culprit” artery. The role of stress echo in patients with complex CAD will be discussed with case presentations highlighting the challenges both pre and post PCI.
Multimodality Assessment of Left Ventricular Systolic Function  
*Dr. Luc Cormier*

This lecture will be an examination of different modalities used for assessing left ventricular systolic function and will identify the pros and cons of each modality. A technique and measurement review will be included.

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**VASCULAR SESSIONS**

**Ultrasound Use in Endovascular Aneurysm Repair**  
*Dr. Sudhir Nagpal, MD*

With Endovascular Aneurysm Repair (EVAR) quickly becoming standard of care for patients with abdominal aortic aneurysms, the method of assessment for life-long EVAR surveillance for endoleaks is in flux. This lecture will describe the classification system for endoleaks and evaluate the benefits and limitations of EVAR surveillance using duplex ultrasound.

**Management Strategies for Superficial Femoral Artery Disease**  
*Dr. Claus Schaus, FRCSC, RVT*

Advances in endovascular techniques have changed the vascular surgeon’s approach to the obstructed superficial femoral artery. Is surgical bypass still the gold standard? I will discuss a clinical approach to intervention in patients suffering from infra-inguinal peripheral vascular atherosclerotic disease and review medical, endovascular and surgical methods used to treat this common problem.
SESSIONS EN FRANÇAIS

Les maladies musculo-squelettiques et le rôle de l’échographie dans une clinique de traitement de la douleur
Dr. Richard Dumais

Nouvelles sur la maladie carotidienne. Investigation et traitements
Dr. Michel Bourgoin, chirurgien vasculaire
Une mise à jour sur les connaissances de la maladie carotidienne, avec une exploration des différentes modalités en matière d’investigation et leurs limites. Cet exposé comprendra une discussion sur les stratégies de traitement fondues sur les caractéristiques de la maladie et les méthodes d’investigation du suivi médical.

Échographie testiculaire : Techniques et anomalies les plus fréquentes.
Dr. Isabelle Savoie
Un examen et passage en revue des techniques d’échographie du scrotum et des anomalies fréquemment observées.

Utilisation de l’échographie en oncologie gynécologique
Dr. Carole Williams
L’échographie est depuis un certain temps un moyen sûr et économiquement viable d’évaluer les pathologies éventuelles du pelvis. Cet exposé présentera les critères de diagnostic et l’information clinique pertinente au diagnostic des cancers gynécologiques.

Utilisation de l’échographie dans les cliniques de fertilité
Dr. Alfred Robichaud
Découvrez comment l’échographie est utilisée à la fois pour le diagnostic (avant traitement) et durant le traitement des couples stériles.
Cancer des ovaires
Dr. Réjean Savoie
Cet exposé passera en revue les nombreux aspects du cancer des ovaires. L’exposé couvrira l’épidémiologie, les facteurs de risque, les symptômes, les méthodes d’investigation, les approches thérapeutiques et la façon d’assurer un suivi médical approprié.

PLENARY SESSIONS

Answer the question - Imaging Revisited
Dr. Edward Lyons, OC, Radiologist
The goal of any ultrasound examination is to answer the clinical question. This lecture will focus on all of the techniques that must be used during an exam to actually make the diagnosis and answer the clinical question by the sonographer and the radiologist before the patient leaves the department.

GENERALIST SESSIONS

Genitourinary Trauma and the Role of Ultrasound
Dr. Jill Hudson, Urologist
A case-based approach to the role of ultrasound in the diagnosis and surgical planning in the setting or genitourinary trauma. Penile fracture, testicular rupture and renal trauma are the focus of this presentation.

Contrast Enhanced Ultrasound
Amy Buchanan RDMS, RVT, RDCS
Erin Nugent RDMS, RVT, RDCS
This lecture will inform attendees about the equipment needed, techniques, and advantages of Contrast Enhanced Ultrasound (CEUS), giving examples and case studies of
its current applications in generalist scanning. The application of CEUD in the examination of solid organs, especially its ability to differentiate between benign and malignant lesions will be discussed. It will also examine the augmentation of bowel ultrasound by using CEUS to quantitatively monitor the level of inflammation in patients with IBD.

**Nano Technology**  
*Andrew Joseph Chan, BSc, RDMS, CRGS*  
Explore the use of nanoparticles for medical imaging purposes. Learn about personalized medicine, the state of molecular imaging today, how nanoparticles can improve diagnostic imaging, and about current research projects in the field.

**PET CT for Sonographers**  
*Dr. Martin Finnegan*  
This lecture is an introduction to PET CT, with emphasis on its correlation with ultrasound findings and how the modalities can be complement each other.
VASCULAR SESSIONS

Chronic Venous Insufficiency (Varicose Veins)
Dr. Dion Davidson

Beyond the Peaks: Carotid Ultrasound
Verna Maschio, BTech, CRVS, GRGS, CRCS
This session will encourage both generalist and vascular sonographers to look beyond quantitative data to critically assess their study and provide interpreters with an accurate high quality carotid artery exam.

The Status of Vascular Sonography in Canada
Verna Maschio, BTech, CRVS, GRGS, CRCS
Janice Scharf, RDMS, CRGS, BSc
Join this session to participate in discussions and learn about the current status of vascular sonography in Canada. Actively participate in round table discussions pertaining to key issues such as competency levels, limited training facilities, opportunities for attaining a CRVS credential, and generalist sonographers performing vascular exams outside their scope of practice. Take this opportunity to present your suggestions and/or concerns and work in small groups to come up with ideas and solutions– your input helps Sonography Canada grow and serve you better.

Endovascular Repair of AAA: A Review and Discussion of the Utility of US
Dr. Steve Arnason, MD, FRCP(C)
Management of AAA has changed considerably over the past decade. This lecture will look at AAA anatomy and endovascular aneurysm repair (EVAR) as well as endoleak classification, complications and surveillance of patients post EVAR. The applicability and utility of ultrasound will be discussed.
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Maranda Lauzon has been an industry leader in medical imaging, nuclear medicine, MRI, radiation protection and ultrasound for over 40 years. Our expertise ranges from ergonomic ultrasound stretchers (Ibiom) to gel, from soaking systems to probe covers, to gel warmers and all the products that are required in the Ultrasound & Medical Imaging departments. We offer “one-stop” shopping with a quick response time, personalized service and unequivocal experience. Visit our web site for our complete product line: www.marandalauzon.com
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Horizon Health Network is the largest health-care organization in Atlantic Canada serving New Brunswick, northern Nova Scotia and Prince Edward Island. With approximately 1,000 physicians and 12,400 staff, Horizon Health Network plays a major role in research, innovation, education, and health and wellness.
CAMIS is a progressive, fast growing, diagnostic imaging practice serving Central Alberta. Our Red Deer, Olds, and Stettler locations deliver quality patient care through collaborative imaging teams offering a full range of diagnostic imaging services. Our ultrasound service includes all general sonography as well as ABI, carotids, DVT, echocardiography, MSK, and nuchal imaging. Central Alberta Medical Imaging Services Ltd. is committed to providing high-quality, state-of-the-art, patient-oriented medical imaging in a rewarding working environment. For more information, visit our website www.camisrd.com

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Medical Imaging Ed was formed by The Ontario Association of Medical Radiation Sciences (OAMRS). The OAMRS is a non-profit association that was originally formed in 1935 to provide professional development opportunities and build the community of Medical Radiation Technologists (MRTs). Today, the OAMRS represents the professional interests of Diagnostic Medical Sonographers and MRTs in the disciplines of Radiological Technology, Radiation Therapy, Nuclear Medicine, and Magnetic Resonance. The OAMRS has been providing continuing education opportunities to Sonographers, MRTs and other healthcare professionals in Ontario, across Canada and more recently North America through face-to-face seminars and online learning.
MedaPhor (AIM: MED) is a global provider of advanced ultrasound education solutions for medical professionals. Founded in 2004, the company is headquartered in Cardiff, UK and San Diego, USA, with customers in over 16 countries across the world. ScanTrainer, Medaphor’s revolutionary ultrasound simulator, offers a realistic ultrasound simulation experience like no other system in the world. Combining ‘real-feel’ haptic technology with real patient scans, real-time 1:1 expert guidance and curriculum-based interactive learning, it offers trainees a flexible self-learning interactive experience without the need for patients and with minimal expert supervision required. This makes ScanTrainer both resource efficient and highly cost effective.

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To explore all Medical Imaging opportunities in the Lower Mainland, please visit jobs.vch.ca
Conference Booth Locations

EXHIBITOR | BOOTH#
---|---
Alberta Health Services | 12
ARDMS | 21
Diagnostic Services of Manitoba | 22
GE Healthcare | 7 & 8
Gulfcoast Ultrasound Institute | 23
Healthjobs PEI | 18
Horizon Health Network | 24
Insight Medical | 26
Maranda Lauzon | 25
Marsh | 15
MedPhor | 5 & 6
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<thead>
<tr>
<th>EXHIBITOR</th>
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<tr>
<td>Medical Imaging Ed</td>
<td>17</td>
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<td>Northern Health</td>
<td>19</td>
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<tr>
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<td>16</td>
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FELLOWSHIP AWARD
The election to Fellowship is recognition of outstanding achievement to the profession and Sonography Canada by an active member who has clearly demonstrated those personal and professional qualities that have led them to make significant and substantial contributions to our profession.

2015 Fellowship Award Winners:

Cathy Babiak  Janice Scharf  Wendy Lawson

STUDENT PRESENTATION AWARD
The Student Presentation Award is open to all students in their final year of a participating Canadian Medical Association (CMA) accredited sonography program. Programs are invited to conduct a competition within their program and submit their top two presentations.

Presentations are judged by a panel chosen by the Awards Committee and the winner is asked to present at the Annual Conference.
EXCELLENCE IN ULTRASOUND AWARD
The Excellence in Ultrasound award recognizes sonographers and corporate colleagues who strive for excellence. Three sonographers, who submit an essay, article, or case study, are awarded annually for outstanding submissions.

2015 Excellence in Ultrasound Award Winners:

Michael UY
Heather Klyn-Hesselink
Michelle Zen
CONTINUING EDUCATION AWARD
Each year, Sonography Canada members are invited to nominate an individual for the Sonography Canada Continuing Education Award. The Individual Award goes to the nominee who has significantly influenced the education of Canadian sonographers.

Continuing Education–Individual Award Winner:

Carlos Barrios

PETER MCLARDIE MEMORIAL EDUCATION BURSARY
With this memorial education fund, Sonography Canada honours Peter’s contribution to Canadian sonography. Financial support to one diagnostic medical sonography student and one registered sonographer is awarded annually.

Peter McLardie Memorial Education Bursary – Sonographer

Sherry Chauder

Peter McLardie Memorial Education Bursary – Student

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