

# EMPAC

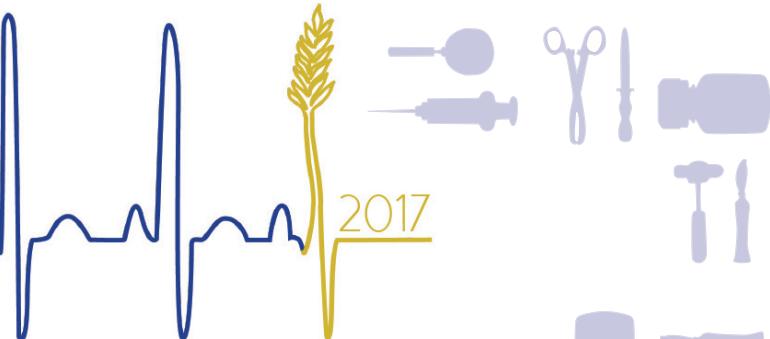
Emergency Medicine Prairie Annual Conference



UNIVERSITY  
OF MANITOBA | Faculty of  
Health Sciences

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EMPAC in Winnipeg, MB  
**MAY 26 - 27, 2017**  
with preconference courses  
**MAY 24 - 25, 2017**

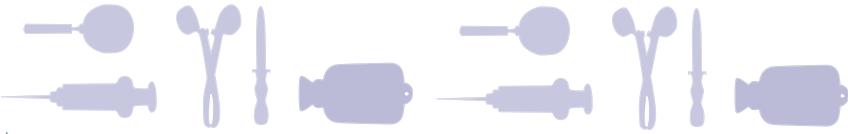
Conference Theme:  
**EVERY 5  
MINUTES**

**8.25 MAINPRO  
+ MOC  
CREDITS**

# INVITATION TO EMPAC 2017

FROM THE PLANNING COMMITTEE

We invite you to attend EMPAC 2017!



Returning with another incredible lineup of speakers and sessions, EMPAC 2017 has something to offer for anyone who provides acute care to the undifferentiated patient.

This year's theme is 'Every 5 Minutes'. It has been said that Emergency Medicine is "every 5 minutes of every disease". As emergency medicine providers, we care for any patient at any course in their illness or injury - from the initial presentation of a new onset illness to the complications associated with chronic disease; from post-operative complications to treatment side effects; from common presentations to once-in-a-career cases. This theme was chosen to highlight the breadth and depth of clinical emergency care.

The topics covered at EMPAC 2017 reflect this breadth and depth. Hear an ENT surgeon's perspective on the Approach to Epistaxis in the ED. Take advantage of small group breakout sessions to learn Pediatric Tricks of the Trade from pediatric emergency physicians. Attend a workshop to learn about the approach to bilateral numbness from a neurologist's perspective. With contributions from experts in toxicology, indigenous health, medical education and ED ultrasound, EMPAC 2017 offers several new and exciting topics that will be of interest to anyone who provides emergency medical care.

Take the opportunity to hone your procedural skills in one of the excellent skills labs. Back by popular demand this year is the Surgical Airway Skills Lab, which allows participants to perform cricothyrotomy on an animal tissue model. New this year is the Ultrasound Guided Nerve Blocks Skills Lab. Join us for one of the very popular Interactive Sim Demos, where you have the chance to watch a (simulated) full resuscitation unfold in front of you and can anonymously choose your next diagnostic step or management decision. See how your decisions compare to those of your peers, and hear from the team of experts on their tips and tricks for managing the crashing patient.

We are very pleased to welcome Dr. Ian Stiell as our keynote speaker for EMPAC 2017. Dr. Stiell is internationally recognized for his research in emergency medicine. Perhaps best known for his research related to the development of clinical decision rules - such as the Ottawa Knee and Ankle Rules, and the Canadian CT Head and C-Spine Rules - Dr. Stiell has also been extensively involved with research on acutely injured and ill patients, with over 350 peer reviewed papers published to date.

Don't miss the opportunity to hear him speak on the updated Canadian guidelines for Recent-onset Atrial Fibrillation & Flutter in the ED.

There are several pre-conference courses available, including ACLS and Procedural Sedation. New this year is the launch of the Soft Tissue Ultrasound Course, which focuses on high-yield US applications in the ED such as assessment of abscess and cellulitis.

Returning this year are the popular post-conference add-ons during the second day of the conference, including the new Critical EM Procedures Course as well as an advanced pediatric STARS SimBUS session that will allow participants to develop both their resuscitation and crisis resource management skills.

We return again this year to the Hilton Winnipeg Airport Suites, a 4-star venue with modern innovative meeting spaces and complimentary parking. It is conveniently located a few minutes from downtown and 10 minutes from the Winnipeg Airport.

Visitors to Winnipeg in May can enjoy beautiful spring weather, and all that our vibrant city has to offer: the Canadian Museum for Human Rights, the Journey to Churchill exhibit at the Assiniboine Park Zoo, the Forks National Historic Site, Winnipeg Art Gallery and Manitoba Museum to name a few.

EMPAC 2017 will be held May 26-27, 2017, with pre-conference courses running May 24-25. Skills sessions and pre/post-conference courses will fill up quickly. Register today to ensure your spot!

We hope you'll join us in Winnipeg at EMPAC 2017 for 4 great days of engaging, cutting edge, relevant emergency medicine content!

Rebecca Schindle, MD, FRCPC  
EMPAC 2017  
Chair



CONFERENCE  
THEME:  
EVERY 5  
MINUTES

## CONFERENCE OBJECTIVES

- Promote excellence in the emergency care and resuscitation of the undifferentiated patient.
- Provide an opportunity to review evidence – based clinical care and recent advances in EM.
- Stimulate discussion and critical thinking with respect to ethical and medico-legal considerations in EM.
- Foster an environment for urban, rural and northern emergency healthcare providers to explore common challenges and collaborate on innovative ideas in the delivery of acute care medicine.
- Promote patient safety and best practices.

Join us for EMPAC!

Friday, May 26 & Saturday, May 27, 2017

Pre-Conference: May 24 & 25, 2017

Four full days of lectures, workshops, skills labs, and networking opportunities. Last year more than 200 people attended, and skills sessions reached capacity early. Don't miss out this year – register now!

## TARGET AUDIENCE:

- emergency physicians and family physicians
- any northern, rural, or urban physician who provides emergency care
- nurses, nurse practitioners, paramedics & physician assistants
- residents & medical students

## DISCLOSURE:

EMPAC 2017 complies with the University of Manitoba Conflict of Interest Policy, the College of Medicine CPD Disclosure Procedures, and the College of Medicine Industry Relations Policy. All speakers and planning committee members are required to sign a disclosure form, and all speakers are asked to begin their presentation with a slide (and verbal acknowledgement) disclosing any perceived or real conflict of interest.

REGISTER  
ONLINE:  
[www.empac.net](http://www.empac.net)

For more  
information:  
204.789.3626  
[www.empac.net](http://www.empac.net)

## CONFERENCE HIGHLIGHTS

- Back by popular demand: Surgical Airway Lab
- Interactive Simulation Demos
- NEW! Ultrasound-Guided Nerve Blocks
- Sexual Assault Exam workshop
- Experts in Toxicology, Pediatrics & Indigenous Health

## EMPAC 2017 PLANNING COMMITTEE

Trisha Bedard  
Karen Bullock Pries  
Kathy Collis  
Cheryl ffrench  
Jill Geurts  
Sara Goulet  
Jeff Klassen  
Michelle Oshanyk  
Julian Regehr  
Greg Reimer  
Rebecca Schindle (chair)  
Anne Sutherland  
Greg Van de Mosselaer  
Teresa Wawrykow



## KEYNOTE SPEAKER

### Dr. Ian Stiell

*Management of Recent-onset Atrial Fibrillation and Flutter (RAFF): Updated Canadian Guidelines*

Dr. Ian Stiell is Professor, Department of Emergency Medicine, University of Ottawa; Distinguished Professor and Clinical Research Chair, University of Ottawa; Senior Scientist, Ottawa Hospital Research Institute; and Emergency Physician, The Ottawa Hospital. He is internationally recognized for his research in emergency medicine with a focus on the development of clinical decision rules and the conduct of clinical trials involving acutely ill and injured patients, and has published more than 350 peer-reviewed papers. Dr. Stiell is best known for the development of the Ottawa Ankle Rules and Canadian C-Spine Rule, and as the Principal Investigator for the landmark OPALS Studies for prehospital care. He is Chair of the CAEP Academic Section. Dr. Stiell received a CIHR Foundation Award in 2015 and is a Member of the U.S. National Academy of Medicine.

## FEATURED CONFERENCE FACULTY

- **Dr. Marcia Anderson MPH, FRCPC.** Head, Section of First Nations, Metis and Inuit Health, Dept. of Community Health Sciences, University of Manitoba
- **Dr. Tom Jelic FRCPC, DABEM.** Assistant Professor, EM-Ultrasound Faculty, Dept. of Emergency Medicine, University of Manitoba
- **Dr. Zoe Oliver CCFP, CACEM.** Associate Professor, Dept. of Emergency Medicine, University of Manitoba
- **Dr. Gigi Osler BScMed, FRCSC.** Head, Section of Otolaryngology-Head and Neck Surgery, St. Boniface Hospital; Assistant Professor, Dept. of Otolaryngology-Head and Neck Surgery, University of Manitoba
- **Ms. Candace Wylie RN, BN, S.A.N.E.** Nurse Coordinator, Sexual Assault Nurse Examiner Program, Health Sciences Centre



## WEDNESDAY, MAY 24/17

### Soft Tissue Ultrasound Course

New this year! This practical, hands-on course will focus on soft tissue ultrasound. With an instructor to learner ratio of 1:2 participants will have ample opportunity to develop their ultrasound skills in three high-yield areas: lymph node, abscess and cellulitis assessment. Learners will complete an online lecture prior to the course. During the 2-hour course participants will briefly review the pre-course material and then devote most of their time to hands-on ultrasound experience, using both patient models and "phantoms".

*Instructors:* Dr. David Kirschner, Dr. Aaron Webb, Dr. Tom Jelic

DATE: May 24, 2017

TIMES: 1300-1500 /

1500-1700

LOCATION: CLSF (727

McDermot Ave)

PREREQUISITE: none

COST: \$300

*Space is limited for pre-conference courses. Register early to ensure a spot!*

### Procedural Sedation

This simulation course offers the opportunity to perform procedural sedation on manikins, using a case-based format that is tailored specifically to the ER environment. Develop an approach to drug choices, doses and special considerations for various patient scenarios – ranging from the healthy athlete with a dislocated shoulder to the obese patient in rapid AF requiring cardioversion. Participants will also develop a structured approach to managing the rare but potentially dangerous complications that can arise from administering procedural sedation. The course includes pre-reading materials. On-site during the course, there is a 1-hour interactive review of best practices and then 2 hours of hands-on practice with simulated cases.

*Instructor:* Dr. Rebecca Schindle

DATE: May 24, 2017

TIME: 0900-1200

LOCATION: CLSF (727 McDermot Ave)

PREREQUISITE: none

COST: \$300

## THURSDAY, MAY 25/17

### ACLS Provider Course

ACLS is an advanced classroom course that highlights the importance of team management of a cardiac arrest, team dynamics and communication, systems of care and immediate postcardiac-arrest care. Specific skills in airway management and related pharmacology are also featured. Skills are taught through discussion and group learning, while testing stations offer case-based scenarios using high-fidelity simulators.

*Instructor:* Dr. Rebecca Schindle

DATE: May 25, 2017

TIME: 0900-1700

LOCATION: CLSF (727 McDermot Ave)

PREREQUISITE: current HSF BLS for Healthcare Provider (C)  
COST: \$425

### SimTRAUMA

When faced with a critically ill trauma patient who needs active resuscitation do you ever wish you could practice first? Ever wish you could discuss what happened and figure out how to do it better? Ever wish there was no risk to the patient when faced with critical life saving decisions?

SimTRAUMA is a simulation based course that is geared to providing just those kinds of opportunities. Participants will have the opportunity to work in small teams to resuscitate a realistic life size trauma patient in real time using medical simulation technology.

Following each real life case, the team will have the chance to discuss how the case went and review key management points. Cases will focus on the approach to the management of the unstable trauma patient using crisis resource management skills.

*Instructor:* Dr. Cheryl ffrench

DATE: May 25, 2017

TIMES: 0800-1200 / 1300-1700

LOCATION: CLSF (727 McDermot Ave)

PREREQUISITE: none  
COST: \$450

# CONFERENCE SCHEDULE

## FRIDAY, MAY 26

800	Registration & Continental Breakfast	
830	Welcome & Opening Remarks	Dr. R. Schindle / Dr. A Chochinov
840	Approach to Epistaxis in the ED	Dr. F. G. Osler
900	Truth, Reconciliation and Medicine	Mr. K. Lamoureux
1000	Networking Break / Exhibits / Refreshments	
1030	Workshops (30 minutes each - choose two)	
	Blocks Unblinded: US Guided Regional Anesthesia for Your Practice	Dr. T. Jelic
	Making Sense of #FOAMED & Other Trends in Medical	Dr. Z. Oliver
	Learning	
	Pediatric Tricks of the Trade	Dr. G. Reimer
	Sexual Assault Exams: A Crash Course	Ms. C. Wylie
	Bilateral Numbness & Weakness: If Not Stroke ... Then What?	Dr. P. Hughes
	Trauma STARS	STARS Mobile Education
1140	Racism / Anti-Racism: Emergency Rooms & Indigenous Health	Dr. M. Anderson
1200	Lunch/ Exhibits	
1300	Asymptomatic HTN in the ED: Don't Let It Raise Your Blood Pressure	Dr. A. Webb
1320	KEYNOTE: Management of RAFF: Updated Canadian Guidelines	Dr. I. Stiell
1405	Networking Break / Exhibits / Refreshments	
1420	Skills Sessions (60 minutes each - choose two)	
	Chest Tube Skills Lab	Dr. A. Derksen
	Surgical Airway Skills Lab	Dr. P. Ratana / Dr. J. Ringaert
	Crisis Cases: A Choose your own adventure Simulation	Dr. C. ffrench
	Approach to ED Imaging of the Foot & Ankle	Dr. C. Hillman
	Blocks Unblinded: Hands on Skill Session	Dr. T. Jelic
	Cardiogenic Shock & Emergency Cardiac Pacing Skills	Dr. C. Hrymak
	Chest STARS	STARS Mobile Education
1630	Adjournment of Day 1	

\*Schedule subject to change

## SATURDAY, MAY 27

0815	<i>Registration / Continental Breakfast</i>	
0845	Welcome & Opening Remarks	Dr. R. Schindle
0900	EMPAC 2018 Sneak Preview	Conference Faculty
0920	Making Wise Choices in Emergency: Choosing Wisely Manitoba	Mr. J. Slater
1000	<i>Networking Break / Exhibits / Refreshments</i>	
1030	The Latest & Greatest from Point of Care Ultrasound	Dr. T. Jelic
1100	Workshops ( <i>30 minutes each - choose two</i> )	
	Common Drugs of Abuse in the ED	Dr. W. Palatnick
	Pain Management in the ED: Opioid Conversions & More	Dr. A. Krawchenko-Shawarsky
	Pediatric MSK Workshop	Dr. S. Sawyer
	Intra-abdominal STARS	STARS Mobile Education Unit
1205	Conference Close	

\*Schedule subject to change

AFTER THE CONFERENCE WRAPS UP AT NOON ON SUNDAY, JOIN US FOR AN ADDITIONAL HANDS-ON SESSION  
(ADDITIONAL COST, SEPARATE REGISTRATION REQUIRED).

ALL POST-CONFERENCE ADD-ONS ARE HELD AT THE HILTON.

## Critical EM Procedures

When you are faced with a critically ill patient who needs a lifesaving procedure, do you know what to do? Are you able to intervene quickly and perform the procedure with confidence? Critical EM procedures can be low volume procedures, and it is easy for skill retention fade over time. This can make for a stressful situation when you are called up on to perform these procedures in an emergency situation. This 3-hour session uses a combination of manikins and task trainers to allow you to learn and practice several procedures, including:

- intra-osseous access
- transvenous pacemaker insertion
- cricothyrotomy

DATE: May 27, 2017

TIME: 1230-1530

PREREQUISITE: none

COST: \$400

LOCATION: Hilton Hotel

## Casting & Splinting in the ED

This 2-hour course will allow the participant to become proficient in the application of four of the most commonly applied casts in the emergency department setting – including 2 upper extremity and 2 lower extremity casts. Two experienced orthopedic technologists will lead participants step-by-step through applying the following:

- below elbow backslab
- thumb spica backslab
- below knee NWB backslab
- weight bearing cast

Participants will be given ample time to practice and refine their technique, with feedback from the instructors. The instructors will focus on general casting principles, proper technique, and tips and tricks to help make casting easier.

DATE: May 27, 2017

TIME: 1300-1500

PREREQUISITE: none

COST: \$150

LOCATION: Hilton Hotel

## STARS Sim Advanced Edition: Pediatrics

This 2-hour session will be led by experienced STARS educators in the Mobile Education Unit. Participants will have the opportunity to work together over the course of several cases to resuscitate and manage critically ill paediatric patients in a simulated environment with realistic manikins and real equipment. Each case will be followed by a debriefing session led by a trained facilitator, allowing participants to reflect on their clinical decision making, communication skills, team dynamics and patient management. Crisis resource management, team work and communication will be emphasized along with concise, valuable "take-home messages" for the clinical management of the sick pediatric patient. Please note that this session is provided by STARS at no additional cost to the participant. The Department of Emergency Medicine charges a small fee of \$15 to cover administrative costs related to registration and the provision of lunch.

DATE: May 27, 2017

TIME: 1300-1500

PREREQUISITE: none

COST: \$15 (administrative fee)

LOCATION: Hilton Hotel Parking lot

# SESSION DESCRIPTIONS

## Blocks Unblinded (Friday workshop)

Learn to incorporate regional anesthesia into your EM practice. This session will review basic blocks to get you started in this practice changing modality of pain control.

## Making Sense of #FOAMED (Friday workshop)

This session will review how to navigate your way through medical tweeting, rapping, blogging, and flipping with an evidence-based mindset.

## Pediatric Tricks of the Trade (Friday workshop)

A pediatric emergency physician presents their top 10 tricks of the trade for managing pediatric patients in the ED. These practical tips could make your next clinical encounter with a pediatric patient much easier!

## Sexual Assault Exams (Friday workshop)

A review of the best evidence based practice for forensic evidence collection post sexual assault, including how and when to collect

evidence in reference to the RCMP kit, documentation and other topics raised by workshop participants.

## Bilateral Numbness & Weakness (Friday workshop)

Emergency physicians frequently see patients with bilateral numbness and weakness. This presentation has a broad differential diagnosis, including a few life-threatening conditions.

In this session, a neurologist will lead you through an approach to this clinical presentation.

## Foot & Ankle Imaging (Friday skills session)

A radiologist will lead you through an approach to these ubiquitous ED x-rays, including pearls for identifying frequently seen injury patterns and how to avoid the pitfalls associated with commonly missed injuries.

## Blocks Unblinded (Friday skills session)

This session is a hands on opportunity to practice the blocks covered in the Blocks Unblinded workshop. It includes hands on scanning, as well as practice of needle guidance and injection.

## Cardiogenic Shock & Pacers (Friday skills session)

This session will lead you through several interactive cases designed to help you develop an organized approach to cardiogenic shock. It will be followed by a demo of simulated ED pacing (TCP and TVP) and a discussion about troubleshooting common pacing problems.

## Chest Tube Skills Lab (Friday skills session)

Following a brief lecture outlining technique, indications and complications, participants will have the opportunity to insert two chest tubes from start to finish - using manikins and real equipment.

## Crisis Cases: Sim (Friday skills session)

This is a live, interactive simulation workshop. Using a case-based approach, a team of instructors will run a live simulated resuscitation of a critically ill patient manikin. The moderator will pause the demo at times in order to solicit anonymous and aggregated real-time feedback from the audience on the next steps in management or diagnostics.

It's a choose-your-own-adventure sim! The cases will end with a summary of key points related to resuscitation skills.

## Surgical Airway Skills Lab (Friday skills session)

This skills lab uses a tissue model (pig tracheas) to allow participants the opportunity to perform needle and open cricothyrotomy, following a brief lecture and instructor demonstration.

## Common Drugs of Abuse in the ED (Saturday workshop)

A toxicologist will review the approach to diagnosis and management of two categories of recreational drugs that are currently at epidemic levels locally and nationally: fentanyl & carfentanil, as well as methamphetamine & cocaine.

## ED Pain Management (Saturday workshop)

Learn about principles of pain management in the ED, including how to provide effective analgesia for acutely painful conditions, alternates to opioids, and opioid conversions.

## Pediatric MSK Review (Saturday workshop)

This case-based session focuses on common fractures of childhood, including specific pediatric fracture patterns.

## STARS Sim Sessions (both days, workshops & skills sessions)

Join the STARS team in the SimBus for an interactive session. These talented educators will guide you through the simulation process as you work in a small group to resuscitate a critically ill patient. Choose from themed cases based on Trauma, Chest, or Abdominal cases.

\*Workshop and skills session descriptions are listed here. For descriptions of the plenary sessions, please visit empac.net

**STARS SimBUS**

With many thanks to the great team of educators at STARS, we are pleased to announce the return of the STARS Mobile Education Unit (MEU) to EMPAC in 2017! The MEU (or Sim Bus, as it was affectionately known at last year's conference) is returning to the Hilton parking lot for more simulation-based education. This year we have worked the STARS Sim Bus into the conference schedule, so that participants may choose this as one of their workshop or skills session options. **Be sure to sign up early, as space is very limited and these sessions will be popular!** There is no additional cost to register for these sessions. Come spend time with the Manitoba STARS crew in the MEU (a state-of-the-art simulation lab on wheels) for either a half-hour 'mini sim' or an hour long 'mega-sim'. Information will be provided about available STARS services, and then small groups of 3-6 will work together as a team to manage a simulated critically ill patient. Each case is followed by a debriefing led by trained instructors. Cases will be grouped around clinical themes such as trauma, chest emergencies and abdominal catastrophes. Please see conference schedule for more information on the case themes for each session.

**Pre-Conference Courses**

Course	Date+Time	Fee
Soft Tissue Ultrasound	May 24 1300-1500 or 1500-1700	\$300
Procedural Sedation	May 24 0900-1200	\$300
ACLS	May 25 0900-1700	\$425
SimTRAUMA	May 25 0800-1200 or 1300-1700	\$450

**Full Conference (May 26 & 27)**

	Early*	Regular*
MD	\$475	\$565
Allied Health	\$350	\$425
Resident / Student	\$160	\$195

**May 26 Only**

	Early*	Regular*
MD	\$315	\$385
Allied Health	\$235	\$325
Resident / Student	\$105	\$125

**May 27 Only**

	Early*	Regular*
MD	\$185	\$220
Allied Health	\$135	\$165
Resident / Student	\$60	\$75

\* Early bird registration ends April 27. Regular registration closes May 18.

**TO REGISTER ONLINE:**  
[www.empac.net](http://www.empac.net)

NEED MORE INFORMATION?  
HAVE A QUESTION?  
DIFFICULTY REGISTERING ONLINE?  
PLEASE CONTACT:  
Trisha Bedard (204) 789-3626  
[trisha.bedard@umanitoba.ca](mailto:trisha.bedard@umanitoba.ca)



## VENUE:

Hilton Hotel  
1800 Wellington Ave,  
Winnipeg, MB R3H 1B2

Phone: 1-204-783-1700  
Toll Free: 1-800-HILTONS  
Fax: 1-204-786-6588  
Web: [www.hilton.com/](http://www.hilton.com/)

A block of rooms has been reserved at a special rate for conference attendees. Please specify that you are with "University of Manitoba Emergency Medicine Conference" when booking in order to receive the special rate. Rooms will be available at the preferred rate until May 12.



Please note that the Pre-Conference Courses are held at the Clinical Learning and Simulation Facility, at the Bannatyne Campus of the University of Manitoba (727 McDermot Ave). Registrants for these courses will be provided with a map and directions upon registering.



## PARKING

There is ample complimentary parking at the Hilton Winnipeg Airport Suites.

Please note that parking information for those attending pre-conference courses will be sent with confirmation of registration.

## DRESS CODE

Dress is business casual. A sweater is recommended since temperature in the venue may fluctuate.

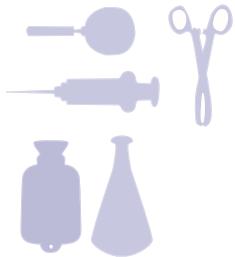
## SCENT FREE

To ensure the comfort of everyone attending this event, we ask that you refrain from wearing scented products.

## CANCELLATION POLICY

Please read and carefully review the cancellation policy prior to submitting your registration. The Department of Emergency Medicine reserves the right to cancel any course thirty (30) days prior to the course date. Registrants will be notified by telephone, followed by email notification. A full refund will be issued. The Department of Emergency Medicine is not responsible for any costs, including but not limited to, airline or hotel fees or penalties. Cancellation of registration for pre/post-conference courses and/or the conference must be made by email to [trishabedard@umanitob.ca](mailto:trishabedard@umanitob.ca) before May 3, 2017. Your registration fee, less a \$100 processing fee, will be refunded. After May 3, 2017 NO REFUNDS will be issued. The Department of Emergency Medicine reserves the right to cancel any pre-conference course, or conference workshop or skills session, due to low enrollment. All lectures, workshops, skills sessions and speakers are subject to change without notice.





## PLATINUM EXHIBITORS



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# EMPAC

Emergency Medicine Prairie Annual Conference

EMPAC May 26 & 27, 2017

Preconference Courses May 24 & 25, 2017



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