MORNA GAUZETTE

February 2020

President's Corner



Here we come 2020!!!! I hope you are as equally excited and motivated as we are to welcome this New Year and new decade with positive energy at all of the opportunities and possibilities that lie ahead of us all!!!

Did you remember to register as a MORNA member? Remember, your membership expired on December 31, 2019. If you had ANY challenges or problems with registration, please email info@ornac.ca and cc myself, at morna@ornac.ca. IT's not too late but we encourage you to sign up as there are so many benefits available to you with educational opportunities and funding.

As we start this New Year off, we are happy to have our MORNA Member Survey 2019 survey results available to you all on our website. MORNA executive would like to THANK YOU for taking the time and thought to complete this survey. The data we collected from 70 MORNA and non-MORNA members is invaluable for current and future planning. The last two survey questions were opened ended, and thus are too in-depth to attempt to summarize. However we will continue to let this new knowledge guide our leadership of MORNA. We have already implemented many ideas and feedback from your comments into our planning and educational events.

Although you may not see the changes you specifically requested, we hope to be transparent in why we need to move in the direction we do. We cannot reduce our member fees but as mentioned in our November meeting, we feel the membership fee of $65.00 gives each perioperative nurse a minimum of $400.00 value. As always, we hope that you will take every opportunity to connect with MORNA executive as your concerns and questions come up. Again, our sincere thanks.

How are you finding our website? Are you able to find all the calendar dates, forms, minutes, and information? On that thread, we trust you are getting prepared and registering to attend the annual **MORNA Spring Workshop 2020** being held on March 7, 2020 at the Samuel N. Cohen Auditorium, at the St. Boniface Hospital campus in Winnipeg. All registration forms and fees can be done completely electronic and can be found on the website! We have a great lineup of presenters,

2019 – 2020 Executive

President

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OR- Health Science Centre
(204) 787-3859
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mkurys@hsc.mb.ca

Past President

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Secretary

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vendors, delicious food, and great perioperative networking opportunities with colleagues.

Finally, I would like all members to seriously consider the following positions that are open for nominations for the 2020-2022 term. The MORNA President, MORNA President- elect, and MORNA secretary are all open and the nomination form can be found under the "downloads" tab on the main menu. These are all two year terms that we really need perioperative nurses to pursue. You would have great support by a wonderful executive as you lead our MORNA group to continued success and perioperative presence provincially and nationally.

Congratulations to our perioperative nursing colleagues who successfully passed their Certification in Perioperative Nursing, CPN(C) designation in the November writing. Please know that we celebrate your commitment to excellence and effort to uphold our nursing specialty. On that note, the next writing is in May 2020, which would be a great year to become perioperative certified!!

Finally, as I have mentioned before, I believe all perioperative nurses to be leaders. But with this rewarding and dynamic role, comes significant challenges and at times, difficult conversations. Specifically, how hard it is to uphold our ORNAC nursing standards of practice and how we are challenged by many. So be courageous.

Sincerely,

Dawn Affleck RN MN CPN(C) MORNA President

CONFERENCES - INTERNATIONAL AND CANADIAN

DATES INTERNATIONAL

February 13 – 14 2020 International Conference on Perioperative Nursing and Patient Safety, London, United Kingdom https://waset.org/perioperative-nursing-and-patient-safety-conference

March 28 – April 1 AORN Global Surgical Conference & Expo 2020 Anaheim, CA http://www.aorn.org/

April 29 – May 1 Theatre Managers and Educators Conference 2020, Dunedin, New Plymouth www.theatremanagerseducators.nz

May 6, 2020 Perioperative Nursing Conference and Exhibition 2020, Marylebone , London https://www.rcn.org.uk/news-and-events/events/

May 20 – 30 ACORN 2020 International Conference, Sydney, Australia https://www.acorn.org.au/

May 27 – 30, 2021 10th EORNA Congress European Operating Room Nurses Association, Stavanger, Norway http://www.eornacongress.eu/

July 23 – 27 31st International Nursing Research Congress, Abu Dhabi, United Arab Emirates https://www.sigmanursing.org/

August 3 – 4 30th Surgical Nursing & Nurse Education Conference, Hanoi, Vietnam https://surgical.nursingconference.com/events-list/perioperative-surgical-nursing

September 9 – 12 Taiwan International Nurses Conference 2020 Taipei, Taiwan https://www.icn.ch/events

September 10 – 13 2020 AfPP Annual Conference, University of York, Heslington, York https://www.afpp.org.uk/home

October 8 – 10 Perioperative Nurses College of NZNO 47th Annual National Conference Otautahi, Christchurch, New Zealand http://perioperativeconference2020.co.nz/

DATES WINNIPEG/CANADIAN

March 7 MORNA Spring Workshop, Albrechtsen Research Centre, St. Boniface Hospital, Winnipeg, MB https://www.morna.ca/

June 18 – 21 PRNABC Biennial Conference Sun Peaks, B.C. https://www.prnabc.ca/

September 30 – October 2 ORNAA Biennial Conference, Red Deer, AB http://www.ornaa.org/

October 15 – 17 29th Biannual Atlantic Operating Room Nurses Conference, Cape Breton Island, Nova Scotia https://www.ornans.ca/

October 15 – 17 CIISOQ 2020 Provincial Conference, Lévis, QC https://www.ciisoq.ca/



Any of these Conferences pique your interest?

Sources of funding

1. WRHA – $500.00 each year Jan to Dec, plus 2 days salary replacement, to a maximum of 2 days per year. (Those outside of the WRHA contact your local HA).

2. MNU – $200.00 per fiscal year (available to all MNU members, contact your ward rep). Some locals have additional educational funds.

3. MORNA members – contact your rep or go online at (must have been a member in the previous year). www.morna.ca/ for funding guidelines.

CNA CERTIFICATION/RECERTIFICATION

Consider becoming certified in your specialty as a perioperative nurse – CPN(C).

CANADIAN NURSES ASSOCIATION

Important dates 2020

Initial or renewal by exam

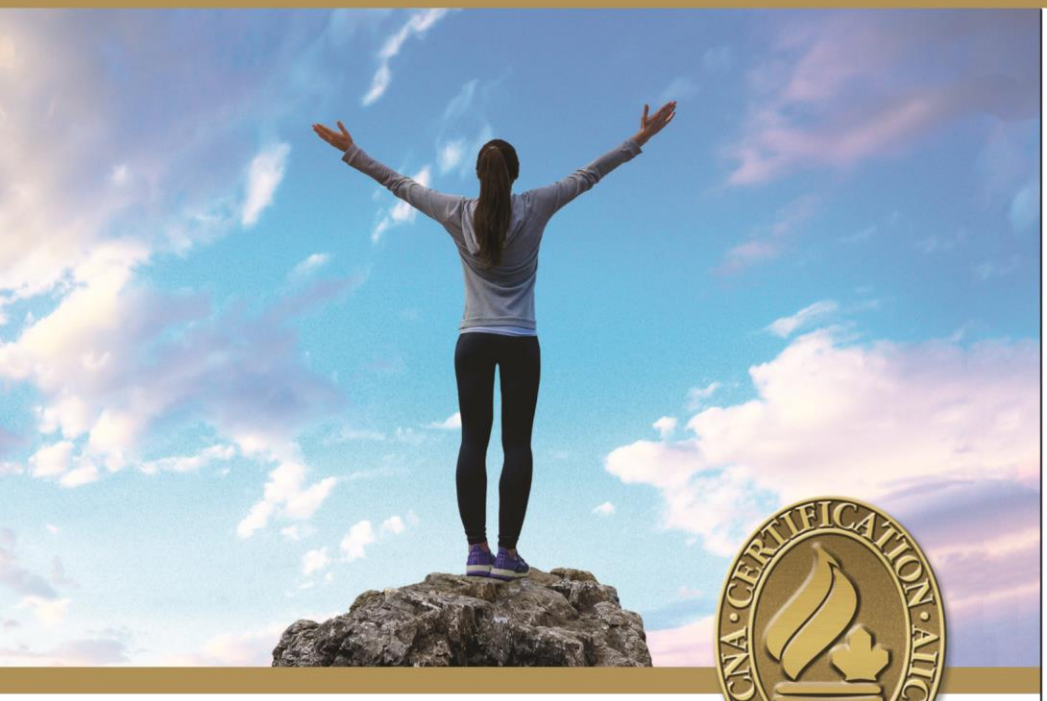
	Application window	Exam window	Results
Spring	Jan. 20 – March 2	May 1 – 15	June
Fall	June 1 – Sept. 10	Nov. 1 – 15	Dec.

Renewal by continuous learning (CL)

	Application window
Renewal by CL	Jan. 20– Nov. 1

2020 CNA CERTIFICATION

COMMIT TO EXCELLENCE



IMPORTANT DATES

SPRING 2020

January 20 – March 2
Application window to **write or renew by exam**

May 1 – 15
Certification **exam window**

FALL 2020

June 1 – September 10
Application window to **write or renew by exam**

November 1 – 15
Certification **exam window**

YEAR ROUND

January 20 – November 1
Application window to **renew by continuous learning**

CURRENT SPECIALTIES

CARDIOVASCULAR
COMMUNITY HEALTH
CRITICAL CARE
CRITICAL CARE PEDIATRICS
EMERGENCY
GASTROENTEROLOGY*
GERONTOLOGY — for registered nurses and registered psychiatric nurses
GERONTOLOGY — for licensed/registered practical nurses
HOSPICE PALLIATIVE CARE
MEDICAL-SURGICAL
NEONATAL
NEPHROLOGY
NEUROSCIENCE*
OCCUPATIONAL HEALTH
ONCOLOGY
ORTHOPAEDIC*
PEDIATRICS
PERIANESTHESIA*
PERINATAL
PERIOPERATIVE
PSYCHIATRIC AND MENTAL HEALTH — for registered nurses and registered psychiatric nurses
REHABILITATION*
WOUND, OSTOMY AND CONTINENCE

** Renewal by continuous learning only.*

NEW EXAM — AVAILABLE FALL 2020

APPLY BY SEPTEMBER 10 TO WRITE THIS EXAM:

MEDICAL-SURGICAL — for licensed/registered practical nurses

MORNA

Manitoba **O**perating **R**oom **N**urses **A**ssociation

2019-2020 Executive List

Office	Name	Facility	Phone/Fax
President	Dawn Affleck RN, MN, CPN (C) St. Boniface Hospital morna@ornac.ca	St. Boniface Hospital 409 Tache Ave., Winnipeg, MB R2H 2A6	Work # (204) 235-3567 Fax # (204) 235-2587
President – Elect	Melodie Kurys RN Urology CRN, Health Sciences- Adult mkurys@hsc.mb.ca	Health Sciences Centre-Adult 820 Sherbrook St. Winnipeg, MB R3A 1R9	Work# (204) 787-3859 Fax # (204) 787-3095
Past President	Kim Goodman RN CPN (C) Health Sciences-Adult mornamatters.kgoodman@gmail.com	Health Sciences Centre-Adult 820 Sherbrook St. Winnipeg, MB R3A 1R9	Work# (204) 787-3524 Fax # (204) 787-3095
Secretary	Iris MacMillan RN Grace Hospital OR lifeandhome@shaw.ca	Grace Hospital 300 Booth Drive Winnipeg, MB R3J 3M7	Work# (204) 837-0120 Fax # (204) 897-2938
Treasurer	Carmen Saban RN CRN- Opthalmology, Urology, Dental & ENT Brandon Regional Health Centre carmen.n.harrower@gmail.com	Brandon Regional Health Centre 150 McTavish Ave E, Brandon, MB R7A 2B3	Work# (204) 578-4108 Fax # (204) 578- 4959
Educational Coordinator	Stacey Brown RN CPN (C) CRN Vascular & Transplant Surgery Adult OR- Health Sciences Centre sbrown2@exchange.hsc.mb.ca	Health Sciences Centre-Adult 820 Sherbrook St. Winnipeg, MB R3A 1R9	Work# (204) 787-7327 Fax# (204) 787- 3095

Standing Committee Chairpersons

Communications Committee & Newsletter — Iris MacMillan, Stacey Brown, Kim Goodman, Dawn Affleck, (Ex-Officio)

Constitution & By-Laws Committee — Kim Goodman, Dawn Affleck (Ex-Officio)

Education Committee — Stacey Brown

Nominations — Kim Goodman

MORNA Meeting Dates

2019 – 2020

Date	Day of Week	Event	Host	Location
September 19, 2019	Thursday	MORNA Annual Wine & Cheese 1800 hrs	Womens' & Victoria	Winnipeg Winter Club 200 River Ave. Wpg., MB
October 22, 2019	Tuesday	Business and Education Meeting 1830 hrs via Zoom	HSC- ADULT	CRNM Conference Room- Main floor 890 Pembina Hwy
November 28, 2019	Thursday	Business and Education Meeting 1830 hrs via Zoom	St. Boniface & Misericordia	CRNM Conference Room- Main floor 890 Pembina Hwy
January 15, 2020	Wednesday	Business and Education Meeting 1830 hrs via Zoom	Childrens'	CRNM Conference Room- Main floor 890 Pembina Hwy
February 13, 2020	Thursday	Business and Education Meeting 1830 hrs via Zoom	Pan Am & Concordia	CRNM Conference Room- Main floor 890 Pembina Hwy
March 7, 2020	Saturday	MORNA Spring Workship	MORNA	Samuel N. Cohen St. Boniface
April 14, 2020	Tuesday	Business and Education Meeting 1830 hrs via Zoom	Grace & Maples	CRNM Conference Room- Main floor 890 Pembina Hwy
May 21, 2020	Thursday	MORNA Annual Dinner 1830 hrs	MORNA AGM	Winnipeg Winter Club 200 River Ave Wpg

***Check back for any changes in dates/location and for more info about the workshop**

MORNA Spring Workshop

March 7th, 2020	Saturday	MORNA Saturday workshop	Details to follow	Samuel N. Cohen St. Boniface 351 Tache Ave

MORNA Membership

Category	Fees	Send to
Active Canadian Perioperative Registered Nurse Membership	$65.00- January 1, 2020 till December 31, 2020	**Ornac Registration Online at ornac.ca** Membership can start registering October of each year. **Workshop Registration:** MORNA TREASURER c/o Carmen Saban P.O. Box 1363 Souris, MB., R0K 2C0 carmen.n.saban@gmail.com
Healthcare Professional Associate	$70.00	
Student Nurse Associate	$55.00	
Retired Perioperative Registered Nurse Associate	$55.00	

Manitoba Operating Room Nurses Association

Spring Workshop Program

Saturday, March 7th, 2020

St.Boniface Hospital, Samuel N. Cohen Auditorium (Albrechtsen Research Centre)

0730-0800	Registration and Continental Breakfast (Breakfast sponsored by Covidien/Medtronic)
0800-0815:	Welcome-greeting from Lanette Siragusa (Shared Health)
0815-0915:	**Alanna Harrison**-Managing Surgical Bleeding: "The Clinical Value of Hemostats and Sealants"
0915-1015:	**Karen L. Kyliuk**-Well-being At Work
1015-1045:	Break and Exhibit Hall
1045-1145:	**Alma Dirpaul and Anne-Marie DeWeert** "Code Orange-Humboldt Broncos Bus Crash"
1145-1245:	**Lunch and Exhibit Hall (No Speaker)**
1245-1330:	**Provincial Round Table**
1330-1430:	**Jim Gauthier-**OR Theatre Cleaning and Room Turnover
1430-1445:	**Stretch and Coffee Break**
1445-1545:	**Eugene Mondor-**You Give Me Fever, Removing the Mystery Of Malignant Hyperthermia
1545-1600:	**Evaluations and Wrap Up**

Registration Deadline: 28 February 2020







MANITOBA OPERATING ROOM NURSES ASSOCIATION

SPRING 2020 WORKSHOP REGISTRATION FORM

Saturday, March 7th, 2020 0730 hrs. – 1530 hrs.

Sam Cohen Auditorium in
Albrechtsen Research Center at St. Boniface Hospital

Name: _____ **Facility**_____

Home Address: _____

City: _____ **Province**_____ **Postal Code:** _____

Contact Phone Number: _____ **E-mail:**_____

❒ **MORNA MEMBER $75.00 *ORNAC MEMBERSHIP #_____* Required**

❒ **NON – MEMBER $100.00** Registration Fee includes Continental Breakfast, Lunch and Refreshments

Please e transfer to morna.treasurer@gmail.com.using the Password - workshop or cheque payable to MORNA . Please send your registration to:

Ms. Carmen Saban
MORNA Treasurer
PO Box 1363
Souris, Manitoba,
R0K 2C0

Lunch will be a box lunch. Please select your menu choice: Beef Chicken Veggie

Please indicate if you have any food allergies_____

➔Registration Deadline: 28 February 2020

Please Note:

- No refunds will be issued after the registration deadline. Requested refunds after this date will require approval by the executive.
- Your Attendance Certificate & Receipt will be available at the end of the workshop

For more information please contact our Workshop Chairperson:
Stacey Brown, MORNA Educator
(204) 787-7327
Email: sbrown2@exchange.hsc.mb.ca

Office Use Only
Cash e Transfer date _____ Cheque # _____ Receipt Issued #_____

Election Announcement



This year we are to elect a new President, President Elect and a new Secretary! All are elected for a 2-year term, which begins July 1, 2020 till June 30th 2022.

Duties of the President

1. Is responsible to the membership and the Board of Directors for conducting the business and directing the activities of MORNA
2. Calls and presides at all meetings of the Board of Directors and all meetings of MORNA
3. Prepares agendas for all meetings and communicates with the Secretary to ensure notices of meetings are issued
4. Is the signing officer for MORNA, with the Treasurer and President Elect.
5. Is the official MORNA representative and liaison with external groups and organizations.
6. Maintains communication with Professional licensing bodies i.e. CRNM, ARNM. Ensures that the CRNM, ARNM receives notification of perioperative publications i.e. The ORNAC Standards for Perioperative Registered Nursing Practice.
7. Appoints committee chairpersons and members requested, subject to the approval of the Board of Directors.
8. Is an ex-officio member of all MORNA Standing and Ad Hoc Committees, with the exception of the Nominating Committee
9. Attends ORNAC Board meetings and represents MORNA at the Board of ORNAC. Represents MORNA on ORNAC national committees. Maintains a link with all other provincial OR nursing associations.
10. Has the authority to make decisions on issues which may arise. Decisions shall be made in consultation with a minimum of three additional executive members, and informs the board of directors of all decisions made. The action of the President requires ratification by membership.
11. Submits the MORNA Annual Report to the membership at the Annual General Meeting, and to ORNAC as required by its Affiliate Agreement.
12. Terminates non-functioning committees, subject to the approval of the Board of Directors.
13. The President shall not carry a vote. In the event of a tie, the President shall call for a second ballot. In the event of a tie following the second ballot the President shall cast the deciding ballot.
14. Assumes other duties as required.
15. Upon completion of his/her term becomes the Past President.



Duties of the President Elect

1. Assumes the duties and responsibilities of the President during the President's absence.
2. Acts as a possible alternative for an ORNAC Board meeting.
3. Is a signing officer for MORNA, with the President and the Treasurer.

4. Chairs the Communication committee, with the Educational Coordinator and Secretary as Co-Chairs. Participation in the MORNA newsletter and maintenance of the MORNA Website.
5. Organizes the dinner as required for the Annual General Meeting
6. Performs other duties as requested by the President.
7. Upon completion of his / her term becomes the President.

Duties of the Secretary

1. Records and distributes the minutes of all MORNA meetings.
2. Maintains an accurate record of attendance at all MORNA meetings. Provides an annual verification of attendance report as required for membership purposes e.g. certification or educational funding.
3. Completes correspondence as directed by the Executive or Board of Directors.
4. Maintains all MORNA records, documents and correspondence for the most recent two years, and then scans documents to be archived electronically.
5. Participates on the Communications Committee as Co-chair with the Educational Coordinator (Co-Chair) and President Elect (Chair). Responsible for the production of the MORNA newsletter and maintenance of the MORNA Website.
6. Co-ordinates tele health bookings and availability of rooms.
7. Distributes all notices of meetings and educational events.
8. Responsible for the production, distribution and updating of resources for Hospital Representatives. Ensures approval of the Executive and / or Board of Directors prior to distribution of changes.
9. Performs other duties as requested by the President.
10. Ensures all electronic backup files using current format and file storage technology.
11. Ensures Corporations Canada is notified of changes to the Executive Officers of the Board of Directors.

Duties are recopied from the MORNA Constitution and Bylaws, available from your MORNA Rep and on our website. The election will be held at the MORNA Annual General Meeting, May 21, 2020. Please forward nominations to Kim Goodman (Chair Nominating Committee) email at mornamatters.kgoodman@gmail.com



Manitoba Operating Room Nurses at the ORNAC National Conference in Halifax 2019.

Canadian Society of Plastic Surgery Annual Meeting



St. John's, Newfoundland

June 25-29, 2019

By Karen Sagness

I recently had the opportunity to attend the Canadian Society of Plastic Surgery Annual Meeting in St. John's, Newfoundland. There were many great lectures so choosing a topic to share for the MORNA Gauzette was somewhat difficult but I decided to focus on a talk that looked at whether or not vasopressors used during finger replant and revascularization procedures cause hypoperfusion of the tissue thus contributing tissue ischemia resulting in higher reconstruction failure rates.

At HSC, this topic has circulated from time to time with respect to free flap reconstruction with the the literature demonstrating that vasopressors have no effect on free flap failure. It would, therefore, appear that this ideology of hypoperfusion with the use of vasopressors is mostly theoretical similar to our understanding of epinephrine use with procedures involving the fingers, ears, nose and toes and its effect on positive outcomes. You may have heard practitioners request to use local without epi in these areas. It's not because there is strong evidence to support the concern that the epi may cause vasoconstriction/vasospasm but a theoretical construct that, "If there's even a chance that the epi can reduce blood flow to these tiny structures, it's not worth the risk." and, therefore, the surgeon will forego the use of local with epi.

In the presentation, it was indicated that while the literature shows that vasopressors provide no negative effect on free flap outcomes, there is a common belief that vasopressors, specifically Ephedrine and Phenylephrine, may cause vasospasm and compromise microvascular flow in digital replant and revascularization procedures. The authors wanted to know if there was any scientific merit to this claim and since there was nothing in the literature to either support or negate this claim, they decided to take a look at their own experiences.

In their study, they took a prospective look at a patient population treated at Toronto's Western University Hospital between 2000-2016. The authors took similar patient populations which included complete or partial traumatic digital amputations and compared many factors including single versus multiple digit procedures, age, gender and smoking history. They also looked at patients that did not receive vasopressors during the perioperative period versus those that did and further subdivided this second group into those that received Ephedrine and those that received Phenylephrine.

The results indicated that vasopressor use in the perioperative period had no clinical effect on digital replant failure except if it was given following the deflation of the tourniquet; this unexpected finding was most noted with the administration of Ephedrine. For this outcome, they have no explanation.

While it appears that vasopressors do not appear to contribute to negative outcomes related to tissue hypoperfusion, it will be interesting to follow this topic as future studies will likely occur to further examine exactly how vasopressors administration following the deflation of the tourniquet negatively impacts revascularization success.



ORNAC National Conference 2019

Halifax, Nova Scotia

April 26 – April 30, 2019

By Vanessa Ferdinand

To begin, having just attended my second National Operating Room Nurses Association (ORNAC) conference that was hosted in Halifax, Nova Scotia. I came back feeling re-charged, uplifted and motivated to get back to Brandon regional Health Center Operating Room to share all that I had learned at the conferences with my colleagues.

To focus on one particular presentation was difficult as every presentation had great take a ways from it.

For this entry I will discuss the presentation presented by Alma Dirpaul and Anne-Marie DeWeert from the Saskatoon Health Authority.

Where were you on the evening of Friday April 6, 2018? Many of us can recall what we were doing, where we were when we heard of the Humboldt bus crash that claimed the life of 16 people. Whether you were tuned into the television, social media, or the radio station we remember the feeling of overwhelming sadness and heartbreak. This was not only felt locally or nationally but also worldwide.

This presentation touched on both the Code Orange within the Operating Room in Saskatoon and the impact this code and event had on the Perioperative staff.

This presentation begins with asking all of us in attendance if our facility was ready and prepared for a Code Orange. It made you sit and self-reflect on the Operating Room that you are part of How would a code look for our surgical team in Brandon?

The presenters shared the Code Orange process in Saskatoon: Once the code orange was declared, the call out put things into motion. The charge nurse donned the orange vest to be visible to the staff. The Care Team Manager came in to the OR that evening to help. The phone fan out system was put into motion. There was a main white board that was updated every 15 minutes by the floor leader. The rooms begin to get assembled; the team were assigned to the Theatres. Each Theatre was staffed with 2 Anaesthesiologists, Perioperative Nurses, and Support Staff. The rooms began getting stocked with extra supplies such as lV fluid and difficult airway equipment for example. Due to the volume of people staff begin placing tape across their chest and head to identify who they were within the surgical team. It was amazing to listen to how this organization transformed and transitioned into organizational teams, worked together to prepare for the survivors.

The emotional segment of the presentation of this tragic event, and the emotion the surgical team went through, was shared, there was not a dry eye in the room. As a Perioperative Nurse we are trained to be passionate, motivated to help patients, be a patient advocate, and to help patients when they are hurt. The feelings the staff had to cope with while they waited, and waited, then silence followed by the realization there were few survivors and that the surgical services anticipated would not be needed. Over that weekend surgeries did take place for the survivors. The presenters shared the emotional impact it had on the team, personal stories of the survivors and the staff but not using any identifiers. They described how the support had been set up for staff immediately after and days after the event. The support given to one and other has been ongoing to this day.

To conclude, I took a lot away listening to how Saskatoon Health and their team, structured and managed during their code orange and reflected on the code orange process at my facility. It also brought home the heart of Perioperative nursing to me, and what it truly means to work as a team and belong to a perioperative family and be so supportive of one and other. That is truly one of the pillars to keeping our Operating Rooms safe for our patients during their time with us: communicate, team work, and organization.

CODE ORANGE



Pirate and Mermaid Gala at ORNAC National Conference Halifax 2019



Manitoba Operating Room Nurses Association Members



ORNAC 2019 - Halifax, Nova Scotia
Jennifer Dutka

This past spring I had the opportunity to travel to Halifax, Nova Scotia, to attend the 2o19 ORNAC National Conference. While there, I attended a session titled Hybrid OR Suites: Future of Neurosurgery.

This session was presented by the Neurosurgery CRN of Toronto SickKids. I was excited, and had great expectations, for this session. I knew that I was going to learn new information, learn new techniques, and learn something I could take back to Winnipeg, to implement into our "hybrid" OR.

I did learn something valuable, but not quite what I expected.

When people learn I am from Winnipeg, they automatically assume we are a small centre and do not have state of the art equipment or services. Quite the opposite is true. A little bit of history…. HSC Winnipeg was the first Canadian institution to have a dedicated intra-operative MRI suite (iMRIS), in 2o13.

The concept behind Winnipeg's iMRIS is that it consists of a three-room suite, instead of one. This three-room suite is configured to include: angiography, out-patient MRI, and a Neurosurgery surgical theatre.

The MRI machine, mounted on ceiling rails, is moved to the patient, in any of the three suites, instead of the patient having to be transported to the MRI machine. This feature allows for efficient transitions between out-patient MRI, angio, and surgery, without having the MRI machine sit idle. Therefore, increasing efficiency and decreasing wait lists.

But back to the presentation…

While listening to the presentation, I came to realize that Toronto's, brand new "state of the art", hybrid suite includes both angio and surgery, within the same theatre, and the MRI suite is located down a hall, in an out-patient area. This means that the hybrid theatre contains a mobile CT scanner and fixed x-ray machine (to accommodate angio), but the patient has to be transported, from a sterile OR environment, and into an out-patient area, to have a MRI scan.

To complicate the process even further, the patient's craniotomy has to be closed, patient undraped, head removed from Mayfield skull clamp, and patient transferred from the operating table top to a MRI compatible table top, thus increasing surgical time significantly.

Flow of the theatre is very important to increase the efficiency of a procedure. Since the hybrid OR is located outside of the main OR, the nurses have to transfer Neuro equipment and supplies to the off-site OR and build a Neurosurgery OR prior to the start of each and every case. Due to space constraints, all of the equipment and supplies are housed inside the theatre, creating a crowded work environment, and thus decreasing flow.

At the end of the presentation, the presenter spoke of the errors they felt were made, as well as the lessons they learned, in creating this OR.

Admitted errors made:

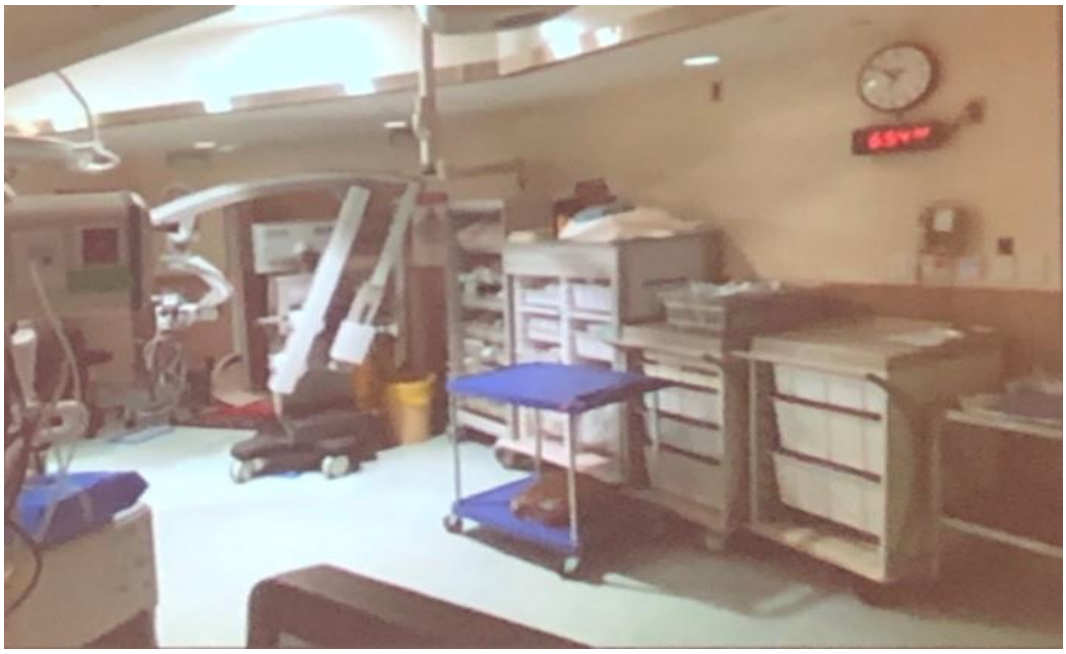
1. Transferring equipment from the main OR to the hybrid OR. —> Should have had dedicated equipment.
2. Not having dedicated space to store equipment and supplies.

3. Hands on dry run, by all disciplines, before first case would have been beneficial.
4. Did not know there would be an increase in OR time. —> Assumed surgical times would be similar.

Lessons learned:

1. Specialized team is needed for expertise and efficiency, but other staff is also needed to complete cases when run past scheduled time. Changed their slate from 8 hour to 12 hour.
2. Badge access granted only after passing Level 1 training, to decrease the number of people in the area. Especially since the hybrid suite is located in an out-patient department.
3. MRI techs need to be part the OR team.

Below are 3 photos of Toronto SickKids Hybrid OR:







- the theatre is crowded even before surgery begins
- there are many different pieces of equipment (all kept within the theatre)
- there are 3 operative table tops the patient has to be transferred between depending on point of procedure: surgery or MRI
- the sterile supplies are kept in the theatre
- the equipment is not MRI compatible

Below are a few photos of HSC's intraoperative MRI suite:



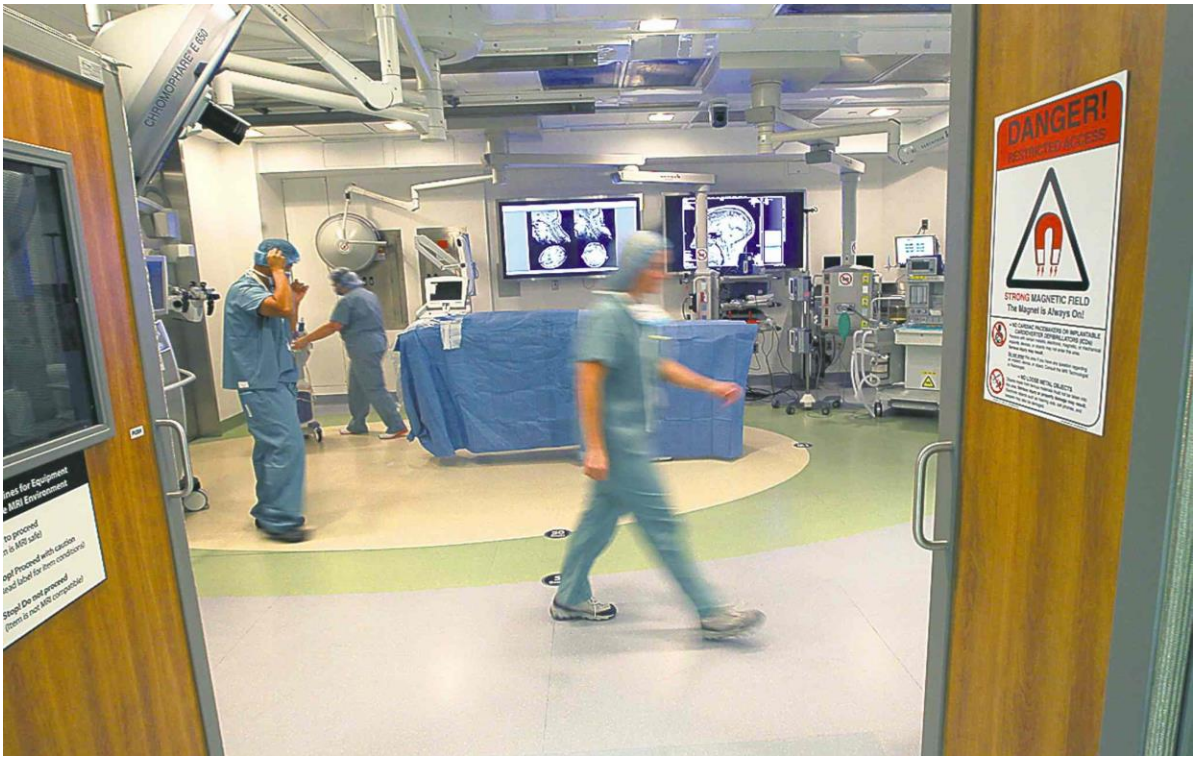
First photo: the silver door opens into an out-patient MRI suite. Equipment is mounted onto a boom. Operating table and skull clamp are MRI safe.

Second photo: shows the silver doors open, can see into the MRI suite. 2 distinctive rooms (the angio suite is located behind the magnet)

Third photo: the MRI machine comes into the Neurosurgery OR, along a rail system mounted to the ceiling. Patient's craniotomy remains open, patient remains draped (with further draping to maintain sterile field), and patient remains in original position decreasing the risk of losing lines or monitors.

Fourth Photo: shows how the theatre is not cluttered with equipment and supplies. A dedicated supply room is attached to the theatre and accessible through a side door.





Lesson I learned from attending the Hybrid OR presentation: Do not sell yourself short!

Winnipeg, while not the most cosmopolitan city, is a commanding force when it comes to advances in surgery.

I feel that Toronto SickKids could have decreased a lot of growing pains had they reached out to their Canadian colleagues. Every item on their list of “wishes they had”, HSC Winnipeg already had.