



Department of Emergency Medicine

Friday **email**

Updates for ED Physicians

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Operational Updates

! Important Update On Chest Tube Insertion From the ED

There has been some excellent and much needed work done on the standardization of chest tube insertion equipment and techniques. Thank you to Jason Fedwick and his team.

This work represents a consensus between Thoracics, Pulmonary, Trauma and Emergency Medicine. The decisions made by the working group will be reflected in the way we stock chest tube equipment in the ED, as well as the standardization of inserting, securing and dressing chest tubes.

This will allow us all to know what the standard is for insertion of a chest tube for spontaneous pneumothoraces or for open chest tube indications.

The stocking of the carts should be complete in the next few weeks.
This email is to introduce the standardization process, further details to follow. As usual, if there is time, please consult with the eventual admitting service before inserting the chest tube.

Highlights

1. one kit for spontaneous pneumothoraces (**Thal-Quik 16Fr X 41 cm**)
2. one agreed upon stitching/dressing technique for all chest tubes
3. one agreed upon tube size for traumatic pneumothoraces (subject to alteration on the advice of trauma) = **26 Fr**
4. one agreed upon location for all chest tube insertions (**the mid to anterior axillary line approach through the 4/5 interspace. Tubes should be directed superiorly and posteriorly.**)
5. the creation of a chest tube checklist
6. advice on consultation and admission guidelines

We are just finishing up the documents to explain it all, please watch the Friday Newsletter for an update. Videos for insertion of the Thal-Quik (closed) and open chest tubes are linked below. (note the caveat on securing technique)

Video Links (Thanks to Tony Chad and his team for the production of these videos: note that these and other videos on common ED procedures can be found on the Department Website (which I am sure you all know) is found here <http://cumming.ucalgary.ca/ermedicine/education/skills-videos>)

Open Chest Tube:

<https://www.youtube.com/watch?v=G2k-1Oan7ac&list=PLIL3WsvShnUA63AXXNiVx-oiB3OczlhzW&index=8>

**Closed Chest Tube:

https://www.youtube.com/watch?v=w_j9QG5-U1I&list=PLIL3WsvShnUA63AXXNiVx-oiB3OczlhzW&index=9

Please note that the knots used in this video for securing the chest tube are not consistent with the agreed upon technique for this initiative. We are working on a graphic representation of this technique. The agreed upon technique is:

-anchoring sutures that consist of 0-silk sutures, one on either side of the tube, anchoring the tube by tying the ends tightly to the chest tube. One on either side = two anchoring sutures in total
-skin is closed using simple interrupted prolene (the standardization of anchoring/skin closure allows the ward to know how to care for/change/remove the tube)

Chest Tube Equipment:

<https://www.youtube.com/watch?v=IDfbS2EEW1o&list=PLIL3WsvShnUA63AXXNiVx-oiB3OczlhzW&index=10>

Neil Collins

! Need to Know – SCM Updates:

BACKGROUND - epinephrine ratios (1:1000, 1: 10,000) will no longer listed on the epinephrine vials. As a result, order sets have been changed (system wide) to reflect the dose of epinephrine instead of the ratio. For example 1mg/mL (used to be 1:1000) and 0.1mg/mL (used to be 1:10,000)

See impacted order sets below:

epiNEPHrine neb solution - Update 'Strength and / or Components' Field

March 14, 2019

ED Order Sets Impacted:

- ED Anaphylaxis;
- ED Anaphylaxis Peds;
- ED Bronchiolitis Peds;
- ED Common Medications Peds;
- ED Moderate Croup Peds;
- ED Severe Croup Peds

'Strength and / or Components' field has been updated to say: (Each mL of solution provides 1 mg epiNEPHrine).

epiNEPHrine 0.1 mg/mL inj - Update 'Strength and/or Components' Field and Remove Synonym

March 14, 2019

ED Order Sets Impacted:

- ED Anaphylaxis;
- ED SVT and Arrhythmia Peds

'Strength and / or Components' field has been updated to say: (Each mL provides 0.1 mg epiNEPHrine).
Synonym 'epiNEPHrine 1:10,000 inj' has been removed from applicable order sets.

epiNEPHrine 1 mg/mL inj - Update 'Strength and/or Components' Field and Remove Synonym

March 14, 2019

ED Order Sets Impacted:

- ED Anaphylaxis;
- ED Anaphylaxis Peds;
- ED Asthma;
- ED Common Medications Peds;
- ED Overdose Acetaminophen; (manual change);
- ED Severe Asthma 20 kg or Greater Peds;
- ED Severe Asthma less than 20 kg Peds

'Strength and / or Components' field has been updated to say: (Each mL provides 1 mg epiNEPHrine).
Synonym 'epiNEPHrine 1:1,000 inj' has been removed from applicable order sets.

Updates to ED Buprenorphine/Naloxone (Suboxone) Initiation OS

March 14, 2019

The ED Buprenorphine/Naloxone Order set is now available to all sites.

Other more minor changes include:

- Added 'Severe Liver Dysfunction' under Exclusion Criteria
- Added 'At least 72 hrs since last methadone dose' to 'Determine TIME since LAST opioid use' section
- Changed text guidance to 'Reassess COWS at 1 hour, if COWS score remains the same or decreases, GIVE medication below:'

Update HumuLIN inj Order Item Names to Include the Type of Insulin and Modify Synonyms

March 14, 2019

ED Order Sets Impacted:

- ED Diabetes Peds;
- ED Mild/Moderate Hyperkalemia Peds;
- ED Severe Hyperkalemia Peds

Columns in impacted order sets have been reconfigured in order for the full updated Humulin inj item names to be visible.

Current State	Future State
insulin HumuLIN inj N	insulin NPH HumuLIN inj N
insulin HumuLIN inj R	insulin regular HumuLIN inj R
insulin HumuLIN R infusion.	insulin regular HumuLIN infusion R.
insulin HumuLIN R infusion..	insulin regular HumuLIN infusion R..
insulin HumuLIN R inj,	insulin regular HumuLIN inj R,
insulin HumuLIN R inj.	insulin regular HumuLIN inj R.
insulin HumuLIN R inj..	insulin regular HumuLIN inj R..

[See Screenshots Here.](#)

Marta Nijssen, RN BN
Clinical Informatician
 SCM Clinical User Support
 Calgary Zone Clinical Services – IT

Confirmed case of measles prompts public alert to potential exposures

See the Active Advisory [from AHS Here.](#)

Sign Up for April 25th Practice Reflection session with Shawn Dowling

Everyone recently received their ED Physician Performance Report for July 1, 2018 through December 31, 2018. Feedback on this initiative is always welcome and encouraged.

Are you interested in learning more about these metrics? Discussing with colleagues and peer facilitators how this data can be used in your day to day practice? We will be hosting regular peer to peer facilitated feedback sessions where Emergency Physicians can better understand the data (and it's limitations) and how this data can be use for practice improvement in a safe learning environment. The feedback from

colleagues who have attended these sessions has been very positive thus far and we continue to improve the process. These sessions are eligible for section 3 Mainport credits.

The next practice reflection session will be facilitated by Dr. Shawn Dowling April 25th after Grand Rounds. Please email Chris Bond to sign up.

Dr. Colin Del Castilho appointed Associate Zone Medical Director, Community, Rural and Continuing Care

I am pleased to announce that Dr. Colin Del Castilho is the successful candidate for the position of Associate Zone Medical Director for Community, Rural and Continuing Care. Dr. Del Castilho has been acting in this role since July 2017.

Dr. Del Castilho earned his medical degree, and completed his Rural Family Medicine Residency and CCFP EM Program at the University of Calgary. Dr. Del Castilho is also the Facility Medical Director at South Health Campus, a role which he has held since 2014. Prior to this Dr. Del Castilho held the role of Site Chief for the Emergency Department at South Health Campus from 2011-2014, and Peter Lougheed Centre from 2010-2011. Dr. Del Castilho is also a Clinical Assistant Professor at the Cumming School of Medicine.

Please join me in welcoming Dr. Del Castilho to this position.

Sid Viner, MD
Calgary Zone Medical Director
AHS

Calgary Emergency Physician Support Fund (PSF) - Call for Submission

Mandate:

1. To support initiatives brought forward to the committee by individual members or departmental leadership which are likely to improve the intellectual, clinical and/or working environment of emergency physicians practicing within the Calgary area.
2. To provide top-up funding for the residency programs when appropriate other funding is not available.

Oversight Committee Members:

Co-Chairs: Heather Patterson, Arun Abbi

Treasurer: Arun Abbi

Members: Andrew Fagan, Eileen Kabaroff, Marshall Ross, Bryan Young

Secretary: Lilian Prudencio

Member Contributions:

Members will contribute \$20 per shift worked to the fund, to an annual maximum of \$1800. Physicians will reach this maximum amount when working 90 shifts or more per year.

Funds will be collected by the department by twice annually by direct bank withdrawal, based on the number of shifts worked during the month, but with a three month lag time.

Membership and contributions are entirely voluntary and can be terminated at any time upon notification provided to the PSF Committee. Notification by email will occur prior to withdrawal of funds.

Dates of Withdrawal: April 1, 2019 & September 30, 2019

Application to the PSF for Project Funding:

Applications for funding will only be accepted from members of the Calgary Emergency PSF i.e. members who have provided financial contribution to the fund. [Application information here.](#)

Applications can be submitted anytime during the year and will be reviewed twice annually for approval. Individual applications that are not submitted proximal to these review dates may also be considered depending on application volume. Applications may be granted full approval or be returned with either additional requirements/information needed prior to decision. Applications declined approval will be provided reasons for refusal of funding.

Deadline for submission: March 30, 2019 & September 30, 2019

Expected response to applications: April 30, 2019 & October 31, 2019

Applicants will have to provide a list of deliverables and a timeline of expected completion. Funding will be given in partial increments with full funding amounts given at completion of project, depending on the project outcome/expectation.

Applications to the PSF can be sent to Lilian Prudencio

Reporting to PSF Membership

The Oversight Committee will report annually on active projects, completed projects and financial status of the PSF to the membership via email. We will attempt to provide a transparent process of the distribution of funds along with reasons for application approval. Questions can be directed to any of the oversight committee members and will be discussed as needed by the committee.

Respectfully,
The PSF Committee

OHP/Bedside Teaching - Dates Remaining

It is that time again when I am recruiting for "Observed History and Physical" aka OHP (Monday and Tuesday mornings) sessions as well as "Bedside Teaching" (Thursday afternoons) sessions. These two sessions are taught to UofC clerks during their mandatory 2-week Emergency Medicine rotation. Information on each session can be found here:

[Bedside Teaching](#)

[Observed History and Physical](#)

The following dates still need to be filled:

Bedside Teaching April 18 and April 25
Observed History and Physical May 13

- Gavin

Summer Schedule Update

Schedulers are currently working on the summer schedule.

A combination of factors have made it especially difficult this year to cover all the shifts and ensure that everyone gets three weeks of holidays.

Solutions may differ by site, but options may include physicians with less seniority getting two or three shifts in one of the weeks adjacent to their blocked time off.

- Neil Collins

Education. CME. Rounds

Registration Open: Procedural Skills Workshop- Vascular Access Central Line Pacemaker & Interosseous Access. May 09. 2019

Hello everyone,

Registration is now open for the next Procedural Skills workshop.

Topics

- Vascular Access Central Line Pacemaker
- Interosseous Access

Date/Time

Thursday, May 09, 2019
1300 to 1600

Location

Room G820, DRY Lab on the MAIN LEVEL, NOT the ATSSL wet lab in the basement ([map attached](#))

Facilitators

Tony Chad
Ian Wishart

Cost

Free as this is open to all physicians contributing to the Physicians Support Fund.

PSF Late Cancellation Policy

Members must cancel their attendance 48 hours prior to the start of the course/workshop. Cancellation within 48 hours of the start of the course/workshop will incur a penalty of \$100.00. All monies received due to late cancellations will be deposited into the general PSF account.

Registration

Email Amani to register. First 32 to respond will be accepted.

March 28 Grand Rounds Presentation

Dr. Meghan Landes

COOMBS Theatre @ 9am

["from Sub-Saharan Africa to Canada: Lessons learned building the Global Health Emergency Medicine Centre at UofT"](#)

Join us for discussion and refreshments

Grand Rounds Recordings

The recording of the March 7 Emergency Medicine Grand Rounds videoconference can be found at the following links (one for each presentation):

https://ahamms01.https.internapcdn.net/ahamms01/Content/Videos_Other/FMC/EmergMar7_19.mp4

Key Concept Rounds – Call for preceptors

Thank you to everyone who has offered to teach in future dates.

[We are still in need of a preceptor on April 25](#)

Please email the elective coordinator if you can teach "Shock" on this day.

Town Hall Meeting – March 21 @ 9am – COOMBS Theatre (cancelled)

Teleconference to SHC 710007 for those wishing to be broadcasted to

Journal Club

March 21 @ 1800

Topic: "[Update on PE Diagnosis in Pregnancy: A Topic Review.](#) "

Presenters: Joline Bohne, Hart Stadnick & Josh Melegrito

Preceptor: Dr. James Andruchow

Host: Dr. Neil Collis

Teaching Excellence in Medical Education Program

Calling all teaching faculty! The Office of Faculty Development has been hard at work drafting a schedule for the [Teaching Excellence in Medical Education Program \(TEMEP\)](#), and we're looking for applicants for the September 2019 – May 2020 offering of the program.

TEMEP is designed to help faculty solidify fundamental teaching skills, learn relevant educational theory, and explore more advanced topics related to special areas of interest in medical education. Applicants should be involved in teaching at the graduate, postgraduate, and/ or undergraduate level and ideally planning on pursuing medical education as a major component of their career.

TEMEP will run every second Friday from September 2019 to April 2020.

Tentative dates are Sept 13, 27, Oct 11, 25, Nov 8, 22, Dec 6, Jan 10, 24, Feb 7, 21, Mar 6, 20, Apr 3, 17.

Topics covered will include (but are by no means limited to):

- Presentation Skills
- Feedback
- Learners in Difficulty
- Evaluation/Assessment
- Educational Theory
- Curriculum Design

Successful completion of the program requires:

- Minimum 80% attendance
- Completion of all assignments
- Completion of a teaching dossier
- Participation in "elective" workshops

To apply, please submit the following documents to ofd@ucalgary.ca by no later than April 15, 2019:

- 1) A Letter of Interest outlining your current career and future plans in medical education.
- 2) A Curriculum Vitae
- 3) If you are a resident/fellow, a letter of support from your program director must be included (PLEASE NOTE: first priority will be given to Cumming School of Medicine Faculty/Staff. If space permits, consideration will be given to residents & fellows).

Applications should be sent to ofd@ucalgary.ca and addressed to Dr. Adrian Harvey, Director, Office of Faculty Development with the subject line: TEMEP Application of Interest. All applicants will be notified of their application status by mid-May.

Respectfully,

Terri Moleski
Faculty Development Coordinator
Office of Faculty Development
Cumming School of Medicine | Health Sciences Centre | University of Calgary HMRB G18, 3330 Hospital Drive NW, Calgary, AB T2N 4N1

PEM Rounds

Thursday, March 21, 2019

Trauma Rounds (0700-0800), Amphitheatre

Pediatric Window Falls: The numbers, the injuries, and the journey to change the building code
Dr. Michelle Simonelli & Marco Civitarese

Case Rounds (0800-0900), Amphitheatre

Dr. Pat Mihalicz & Dr. Adam Cheng

City Wide Grand Rounds (0900-1000), Amphitheatre

ACH Emergency Department Research Update
Dr. Antonia Stang

CPT Pearl of the week - [Drug-Induced Seizure](#)

Hodsman Lecture - May 2nd

1. Save the date! Hodsman Lecture, May 02 @8.30-12.00. FMC Auditorium
2. Dinner Invite Hodsman Lecture Series

Hello everyone,

The department of Emergency Medicine invites emergency physicians and residents to attend dinner on Wednesday, May 01 as part of Hodsman Lecture Series (2019) event. The dinner will be hosted at Dr. Colleen Carey's residence at no cost. Please RSVP to Amani by April 1, 2019.

Best regards,

Sent on Behalf of Hodsman Lecture Planning Committee

ED Highlights

Pediatric Resources

Dr. Hilary Ambrose has assembled a bank of pediatric referral forms and a list of clinics available for kids at ACH, at the other sites and in the community. These will be uploaded to sharepoint in the near future or can be accessed via a google drive folder, click here to access the folder: <https://drive.google.com/drive/folders/1zoP8YuTKq2T3h1iLgF91-wA9xXlb-WR-?usp=sharing>.

ACH Follow-up Clinic

Dr. Hilary Ambrose obtained permission for pediatric patients seen at PLC, RGH and FMC (SHC already had access) to be seen in the ACH follow-up clinic. This is a one-time visit, for one issue with an ACH pediatrician. See [the physician handout](#) for more info. The referral process is contained in the [Peds Clinic List](#) and patient handout is included in the above resource file.

Alberta Innovates SRP Proposal - grant funding success

The PRIME (Pharmacogenomics for the Prevention of Adverse Drug Reactions in mental health) project was awarded \$750,000 over 3 years. Congratulations!

Commendation for Dr. Pauline Head

" I came in because of severe ongoing back pain. I have so many complicated health issues I find going to the ER stressful & often unproductive. Tonight this was not the case. Thank you Dr Head for listening to me

& more importantly pointing me in the right direction for help. I appreciate this more than you will ever know. Dr Head was AMAZING!"

March [ESCN Newsletter](#)

Opportunities

Vacancies on Standing Committees

The Cumming School of Medicine (CSM) has several opportunities for volunteers to serve on standing committees:

[Nominating Committee \(NC\):](#)

The Nominating Committee nominates suitable candidates for approval by the Faculty Council to serve on various CSM Standing Committees. The committee is accountable to both the Executive Faculty Council (EFC) and the Faculty Council (FC).

Two - Full-time Faculty Member (Professor) One - Full-time Faculty Member (Assoc Professor) One - Full-time Faculty Member (Clinical Assistant Professor) One - Part-time Clinical/Adjunct Faculty Member

[General Faculty Council \(GFC\)](#)

The GFC is responsible for the academic affairs of the University, subject to the authority of the Board of Governors. GFC should be an effective voice of the academic community, approving matters such as academic policy and priorities, and offering its advice to other decision-makers on issues touching upon the academic work of the University

Five members from CSM Geographic Full Time Faculty

[Research & Scholarship Committee \(RSC\)](#)

The Committee serves as GFC's primary advisory group on research and scholarly initiatives, issues and activities. The Committee also promotes, supports and advocates for research and scholarly activity on campus and for faculty and student participation in research and scholarly activities.

One – Academic staff member

[Admissions Committee](#)

Nominations for Faculty membership on the Admissions Committee will be made in accordance with CSM nomination procedure and will be elected by Faculty Council.

One – Faculty Member from Faculty at Large

[Student Academic Review Committee](#)

One - Faculty Member, Clinical

Two – Clinical/Adjunct Faculty Members

[Undergraduate Medical Education Committee](#) Responsible to Faculty Council (FC) for overseeing UME curriculum goals, objectives, philosophy in a manner that meets or exceeds LCME education standards.

One – Faculty Member

One – Faculty Member Clinical/Adjunct

One – Faculty Member Clinical/Adjunct (Alternate)

Note: The deadline to receive applications is March 22nd, 2019.

Appended are the TOR's for each Committee advertising.

Cheers

Joyce Forster, on behalf of:
Dr. Robert Sheldon, Chair, Nominations Committee Cumming School of Medicine

NWT Staffing Crisis

I'm reaching out today because we are facing an unprecedented, sudden and severe staffing shortfall in the Stanton hospital ER from May 1st to 18th. We have 18 shifts that are currently uncovered and unfortunately despite our best efforts to fill them have been unsuccessful. Is there anyway you might pass on, through your contacts in Alberta, our desperate need for locums during this period? Even a day or two here and there would be much appreciated.

Any interested physicians can contact me directly or our recruiter Derek Orlaw for more details.

Thanks!

Dave

Dr. David Pontin MD CCFP(EM)
Territorial Clinical Lead Emergency and Hospitalist Services
Territorial Clinical Lead Medical Education

2019 Thrombosis Canada - CanVECTOR Fellowship

Applications for our Fellowship are now being accepted until April 15, 2019. We would appreciate you sharing this information with your colleagues so that anyone who may be interested is aware of this great opportunity. Information about the Fellowship is below and the application form and further details can be found here: <https://thrombosiscanada.ca/thrombosis-canada-research-fellowship/>

Thank you for your help.

David Airdrie

ED Order Sets in need of physician authors

Dear colleagues

[ConnectCare is looking for ED physicians](#) who would be willing to take on these topics for the purpose of order set development.

Thanks,

Eddy

1. Hypertension Adult
 2. Shortness of Breath Adult
 3. Seizures/Status Epilepticus Adult
 4. Burns Adult
-

Interested in transfusion medicine? Want to help the department in a non-clinical role? Need some hours for "24hours of service"?

The department needs an ED MD to step into the role as ED representative on the **Calgary Zone Transfusion Committee (CZTC)**. The CZTC is made up of representatives all clinical departments as well as Transfusion Medicine, Hematopathology, Calgary Lab Services, Canadian Blood Services and others who are stakeholders in managing how blood products are utilized within the Calgary Zone.

Agenda topics that require ED input include massive transfusion kit contents, consent issues, management of bleeding related to anti-coagulation, and processes around type and screen, ordering and administration of blood products.

The commitment is only **four meetings per year**, two hours in duration, held at FMC typically on Tuesdays from 4-6pm. The next meeting will be held in May.

If you have questions or are interested please contact Cathy Dorrington.

(Thank you to Cathy Dorrington who did a great job in this position for many years and has just decided to step down)

Neil Collins

Department of Emergency Medicine - Calgary