



### Saudi Critical Care Society Invitation to Critical Care Canada Forum



The Saudi Critical Care Society (SCCS) has been approved to have a scientific session at the Critical Care Canada Forum (CCCF) in Oct 2009. We would like to invite you to submit topics for presentation. This is to have a tentative program to present at the next SCCS board meeting to make the selection. Please forward Dr.Yaseen Arabi ([icu1@ngha.med.sa](mailto:icu1@ngha.med.sa)) the title and presenter. We would like to have a high caliber session that represents the SCCS well in this important event. Therefore, we expect all presentations to be up to this level and be of publication quality at international journals. Dr. Al-Shimemeri will present "Critical Care in Saudi Arabia, past; current and future". Also, Dr. Mandourah will present "Critical Care in Hajj". Please feel free to make suggestions and to recommend others. For more information visit: [www.criticalcarecanada.com](http://www.criticalcarecanada.com)

### Issue Highlights:

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### Appreciation to PROTECT team at KAMC



1. On behalf of Dr. Deborah Cook the primary investigator of the PROTECT study, Professor Pierre Cardinal from University of Ottawa, who was visiting the Intensive Care Department at KAMC distributed "**Certificate of Appreciation**" to 13 participants in the PROTECT study. They were:

1. Dr Shmeylan Al Harbi
2. Dr Antoine Cherfan
3. Riette Brits
4. Salim Kahoul
5. Norrie Serrano
6. Shella Caliwag
7. Cherry Dulay
8. Dianne Mannion
9. Puwa liyyanar
10. Mashour Barakat
11. DCN - David White
12. NM - Matilda Mountjoy
13. Dr Shaila Anjum Bhat

Congratulation to everyone ... and keep up the good work!!

### American Thoracic Society (ATS) 2009 Meeting

12 abstracts were accepted and presented at the American Thoracic Society in San Diego, May 2009. The department congratulates all who participated in these abstracts.

1) Intra-abdominal Pressure Predicts Mortality in Cirrhotic Patients with Septic Shock. H AIDorzi, MD, H Tamim, PhD, B AlKnawy, MD, A AlAbdulkarem, MD, and Y Arabi, MD. KAMC, Riyadh, SA.

by the Point of Care Glucometer: a Case Series. H AIDorzi, MD, H AlSum, MD, and Y Arabi, MD. KAMC, Riyadh, SA.

2) Hyperglycemia in Critically Ill Cirrhotic Patients. H AIDorzi, MD, H Tamim, PhD, W Tamimi, MD, A Hajeer, MD and Y Arabi, MD. KAMC, Riyadh, SA.

3) Severe Hypoglycemia in Peritoneal Dialysis Patients Due to Overestimation of Blood Glucose

4) The Impact of Mean Arterial, Intra-abdominal and Abdominal Perfusion Pressures on the Mortality of Critically Ill Cirrhotic Patients. H AIDorzi, MD, H Tamim, PhD, A AlJumah, MD, A Rishu, MBBS, and Y Arabi, MD. KAMC, Riyadh, SA.

5) Failure of non-invasive positive pressure ventilation (NIPPV): prospective, observational study. O Penuelas, N Nin, F Frutos-Vivar, A Esteban, A Anzueto, N D Ferguson, C Apeztegia, L Brochard, Y Arabi and P Pelosi.

6) Relative Adrenal Insufficiency in Cirrhotic Patients with Septic Shock and the Effect of Hydrocortisone therapy. Y Arabi, H Tamim, I Tarif, A Alwan, R Britts and S Kahoul.

7) Permissive Undertaking versus Target Feeding in Critically Ill Patients: randomized controlled trial. Y Arabi, H Tamim, G Shifaat, M Sakkijha, A Aldawood, and M AlSultan

8) Hydrocortisone for Cirrhotic Patients with Septic Shock: Double-Blind Placebo-Controlled Randomi-

Zed Trial. Y Arabi, A AlJumah, O Dabbagh, H Tamim, A Rishu, A AlAbdulkareem, B AlKnawy, A Hajeer, W AlTamimi, and A Cherfan.

9) A Multicentre Pilot Randomized Trial of High Frequency Oscillation in Acute Respiratory Distress Syndrome. M O Meade, MD, D J Cook, MD, S Mehta, MD, Y. M Arabi, MD, S Keenan, MD, J J Ronco, MD, N K Adhikari, MD, M Jacka, MD, A Freitag, MD, J Friedrich, MD, J T Granton, MD, R Patel, MD, D Dorscheid, MD and N D Ferguson, MD.

#### [Permissive Underfeeding Trial Initiated by Adult ICU @ KAMC](#)

The Intensive Care Department at KAMC is preparing for a trial called "The impact of permissive underfeeding versus target enteral feeding on morbidity and mortality in adult critically ill patients". This proposal for the trial got approval by the KAIMRC and the KAMC-IRB.

This will be the first multicenter and multinational trial initiated by the adult ICU at KAMC, wherein international centers from Canada, Germany and US are expected to participate.

The details of this proposal have been discussed during critical care research forum on Wednesday 10, 14 and 24 of June 2009.

Soon the ICU physicians, nurses, dietitians will attend training sessions about protocol implementation. Follow up training sessions will be conducted periodically to provide feedback.

#### [KAMC ICU participates in the MOSAICS study](#)

KAMC is the trial coordinator center in Saudi Arabia for the MOSAICS study. The following five centers within the kingdom are participating in this study:

- 1) King Faisal Specialist Hospital and Research Center, Riyadh.
- 2) King Faisal Specialist Hospital and Research Center, Jeddah.
- 3) King Fahad Medical City, Riyadh.

- 4) Riyadh Armed Forces Hospital, Riyadh.
- 5) King Abdulaziz University Hospital, Jeddah.

For more information, please visit

<http://asiaventforum.com>

### Critical Care Research Forum at KAMC

The Critical Care Research forum at KAMC continues on Wednesdays, 2-4 PM. It has been and will be used as a platform to propose research studies, discuss research protocols, review manuscripts that are being prepared, analyze data, present research-related topics. The following is an account of the subjects covered in the forum in April, May and June 2009.

- 1) "Early vs Late Tracheostomy" (Dr. Haddad).
- 2) "Etomidate in Cirrhotic Septic Patients" (Dr. Antoine Cherfan).
- 3) "Ventilator Associated Pneumonia Research". During this session, Dr. Aiman Ramadan gave a presentation on the available VAP database, Dr. Shmylan Al-Harbi discussed proposal on Acinetobacter VAP, Dr. Hasan Al-Dorzi talked about VAP attributed mortality and Dr. Yaseen Arabi spoke about GCC VAP Guidelines.
- 4) "Permissive Underfeeding Study".

### The enrolments in DECRA study from KAMC



DECRA is a multicentre, prospective randomized controlled trial in patients with severe Traumatic Brain Injury and refractory Intracranial Hypertension, comparing early Decompressive Craniectomy with the best current management.

So far, KAMC had 14 patients enrolled in this trial with 100% follow up. Three patients who left Saudi Arabia to their respective countries (India, Bangladesh, and Turkey) were followed at 6 and 12 months. This was highly appreciated by the DECRA project team.

### Accepted Manuscripts @ Article in Press

- 1) "Initiation of Inappropriate Antimicrobial Therapy Results in a 5-fold Reduction of Survival in Human Septic Shock". Anand Kumar, MD, Paul Ellis, MD, Yaseen Arabi, MD, Dan Roberts, MD, Bruce Light, MD, Joseph E. Parrillo, MD, Peter Dodek, MD, Gordon Wood, MD, Aseem Kumar, PhD, David Simon, MD, Cheryl Peters, RN, Muhammad Ahsan, MD, Dan Chateau, PhD and the CATSS Database Research Group. (Accepted Manuscript in CHEST).
- 2) "Mortality reduction after implementing a clinical practice guidelines-based management protocol for severe traumatic brain injury". Yaseen Arabi MD, Samir Haddad MD, Hani Tamim PhD, Abdulaziz Aldawood MD, Saad AlQahtani MD, Ahmad Ferayan MD, Ibrahim AlAbdulmughni MD, Jalal AlOweis MD, Asia Rugaan MD. (Article in Press, Journal of Critical Care, 2009).

### NIH Online Course

The NIH offers an online course called "Protecting Human Research Participants". It is intended for use by individuals involved in the design and/or conduct of National Institutes of Health (NIH) – funded human subjects research, but it is open to other individuals. Registration is free. After successfully completing the course and online MCQs, you will receive a certificate of course completion. It is a great resource. All KAMC-ICU staff who are doing or plan to do research are kindly requested to complete this course. The following is its address: <http://phrp.nihtraining.com/index.php>

### Accepted Abstracts in ICRE 2009 Victoria, BC

The following two abstracts written by Dr. Ahmed Al-Jabbary were accepted as a poster presentation in the ICRE 2009 Victoria, BC.

- 1) "Critical Care Teaching Using High Fidelity Medical Simulation".
- 2) "Teaching ACLS using High Fidelity Medical Simulation".

Question of this issue

**What is level I B evidence?**

Answer: **Level of evidence** is a ranking system used in evidence-based medicine to describe the strength of the results measured in a clinical trial or research study. It does not necessarily reflect the clinical importance of the results. The following is a description of one of the grading systems for the level of evidence:

**Level Ia:** systematic review or meta-analysis of randomized controlled trials

**Level Ib:** at least one randomized controlled trial

**Level IIa:** at least one well-designed controlled study without randomization

**Level IIb:** at least one well-designed quasi-experimental study, such as a cohort study

**Level III:** well-designed non-experimental descriptive studies, such as comparative studies, correlation studies, case-control studies and case series

**Level IV:** expert committee reports, opinions and/or clinical experience of respected authorities

Prepared by:

Dr. Y. Arabi, Dr. H. Al-Dorzi & A. Diab