

## WORKSHOPS – 35th International Winter Symposium – Obstetric Anesthesia



### Workshop 1: Abdominal wall blocks

A very brief introduction with explanation of the different wall blocks and the efficacy of these wall blocks will be given (5 minutes).

The wall block workshop is crafted for participants without/with significant experience in performing abdominal wall blocks.

The main emphasis during this workshop will be on the practical aspects of hands-on scanning, learning tips and tricks, how to recognize the relevant anatomy, and discussing the essence of establishing successful and safe blocks while de-emphasizing a multitude of technique variations.

We will be explaining the TAP, QL1, QL2, QL3 and subcostal variations as well as rectus sheath block.

The participants will also have an opportunity for ample practice on a live models.

Moderator : Dr. Steve Coppens

When :

- Friday, February 7<sup>th</sup>, 2020 from 1215-1330
- Saturday, February 8<sup>th</sup>, 2020 from 1330-1500

### Workshop 2: Lumbar Epidural Ultrasound

This workshop is dedicated entirely to the use of ultrasound to facilitate spinals and epidurals, without any other distractions. Pre-workshop reading of Dr. Carvalho's classic educational paper on spine ultrasound is an easy and efficient way to enhance your learning experience. A mini-lecture delivered by Professor Carvalho at the start of the workshop will clarify all your questions that you may eventually have after doing your pre-workshop reading.

The workshop is taught in a stepwise manner, in a way that has been tested and improved over the past 15 years. It will lead all participants to acquire the necessary skills and confidence to start using this application in your clinical practice.

Moderator: Prof. Dr. Jose Carvalho

When :

- Friday, February 7<sup>th</sup>, 2020 from 1215-1330

### Workshop 3: FAST of heart and lung

This workshop is a taster of the 'Focused Cardiac Ultrasound in the Obstetric Patient (FOCUS-op)' course, which was written by Janette. This course is designed by Janette for the obstetric anaesthetist who is a novice in echocardiography.

Focused cardiac ultrasound (FoCUS) is a focused examination of the cardiovascular system performed by a physician using ultrasound as an adjunct to the physical examination to recognize specific ultrasonic signs that represent a narrow list of potential diagnoses in specific clinical settings<sup>1</sup>. This examination aims to evaluate, in a targeted and objective manner, a limited number of clinical issues such as the presence of hypovolaemia,

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ventricular dysfunction, pericardial effusion and significant valvular regurgitation<sup>2</sup>. The FOCUS-op course was devised in compliance with recommendations for focused cardiac ultrasound teaching, with influences from previous work on obstetric echocardiography<sup>3-7</sup>. Echocardiography has been shown to be a valuable adjunct in the assessment of postpartum hypotension<sup>4</sup>, preeclampsia<sup>5</sup> and peripartum cardiomyopathy<sup>6</sup>. Lung ultrasound is a logical addition to the ultrasonic examination of the unwell obstetric patient.

Contents of workshop:

- Brief powerpoint introduction of fundamental echocardiography skills and sono-anatomical recognition of structures relevant to focused echocardiography
- Emphasis on hands-on time to demonstrate and practice the three echocardiographic views relevant to focused echo
- Discussion of sono-pathological features of focused echocardiography that will help us treat our unwell obstetric patients
- Introduction to lung ultrasound and tying it all in with the focused examination of the unwell obstetric patient

Moderator: Dr. Janette Brohan

When :

- Friday, February 7<sup>th</sup>, 2020 from 1215-1330

### **Workshop 4: Major Obstetric Hemorrhage Simulation**

When we analyze bad outcomes in medicine, we see that in most cases the medical knowledge is present in all of the professionals. The execution of their task, which requires non technical skills, is where it goes wrong in more than 80% of the cases. Crisis resource management (CRM) principles have been developed in order to improve these non technical skills.

The workshop on Friday will give you a demonstration of a simulation of an obstetric hemorrhage patient. The same scenario will be presented twice with different execution. A discussion will be held afterwards with the participants. Insight in important non technical skills, required for a good execution of a task, will be given.

The workshop on Saturday will be a real life simulation of an obstetric case. After an introduction, workshop participants will be assigned roles and go through simulation as a team. A discussion will be held afterwards. The team will be encouraged to reflect on the dynamics of the group during their simulation. Both positive elements and elements for improvement will be mentioned. A take home message will be presented.

Moderator: Dr. Elke Van Gerven

When :

- Friday, February 7<sup>th</sup>, 2020 from 1215-1330 (demo workshop)
- Saturday, February 8<sup>th</sup>, 2020 from 1400-1600

### **Workshop 5: The DAS airways algorithms**

This will be an interactive workshop which will discuss the clinical application of the OAA/DAS obstetric difficult airway guidelines, using real patient cases scenario with a focus on

- (i) Safe Obstetric general anaesthetic and how to prevent getting into airway related difficulty
- (ii) Management of failed intubation and prevention of morbidity of mother and baby
- (iii) Management after failed intubation including management of can't intubate, can't oxygenate scenario.

The workshop will also include management of the pregnant woman with anticipated difficult airway, with a focus on multi-disciplinary team decision making on the mode of delivery and how this links to the new DAS awake tracheal intubation guidelines.

Moderator: Prof. Dr. Mary Mushambi

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