

## PROGRAMME

### Education, Simulation & Development

#### Monday, March 04, 2024

**Session Date/Time: Monday, March 4, 2024 - 08:00 - 10:00**

MR 334 (Level 3)

#### **Education, Simulation & Development Workshop: Development of Non-technical Skills through VAST in Low-Resource Settings**

Workshop Fee: 10 USD

Non-technical skills are the behavioural or inter-personal skills that underpin effective clinical practice. These skills can be practised and developed, just like procedural skills. This workshop will be an introduction to anaesthesia providers' non-technical skills, and how these skills can be developed in low-resource settings. Lessons learned and illustrative examples will be drawn from the experience of the Vital Anaesthesia Simulation Training (VAST). This workshop will be suitable for those working in a low-resource setting, or those interested in helping support simulation activities in low-resource settings.

At the end of this workshop, participants will be able to:

1. Have a working knowledge of non-technical skills and how they apply to safe anaesthesia provision.
2. Discuss and participate in creative approaches to developing non-technical skills.
3. Explore the challenges and solutions for implementing non-technical skills training in low-resource settings.

#### **Development of Non-technical Skills through VAST in Low-Resource Settings**

*Adam Mossenson, Australia*

#### **Development of Non-technical Skills through VAST in Low-Resource Settings**

*Karima Khalid, Tanzania, United Republic of*

#### **Development of Non-technical Skills through VAST in Low-Resource Settings**

*Rodrigo Rubio, Mexico*

#### **Development of Non-technical Skills through VAST in Low-Resource Settings**

*Gaston Nyirigira, Rwanda*

#### **Development of Non-technical Skills through VAST in Low-Resource Settings**

*Teresa Skelton, Canada*

#### **Development of Non-technical Skills through VAST in Low-Resource Settings**

*Jonathan Bailey, Canada*

**Session Date/Time: Monday, March 4, 2024 - 08:00 - 09:30**

MR 333 (Level 3)

#### **Education, Simulation & Development Workshop: How to Develop and Deliver Effective Remote Learning**

Workshop Fee: 10 USD

By the end of this session, learners will be able to:

1. Plan teaching sessions that account for the key differences between remote and in-person learning.
2. Identify how to use synchronous and asynchronous learning to maximise the benefit of remote learning.
3. Describe ways to engage learners over remote platforms.

## PROGRAMME

### How to Develop and Deliver Effective Remote Learning

*Dylan Bould, Canada*

### How to Develop and Deliver Effective Remote Learning

*Sonia Akrimi, United Kingdom*

**Session Date/Time: Monday, March 4, 2024 - 08:00 - 10:00**

MR 325 (Level 3)

### Education, Simulation & Development Workshop: VR and Immersive Technologies in Anaesthesiology - A First-Hand Experience

Workshop Fee: 100 USD

1. This hands-on workshop will provide the attendee with an opportunity to understand the most recent evidence supporting the use of VR for preoperative anxiety, pain management, procedural support, clinical decision support and anaesthesia education.
2. Each attendee will experience different VR environments for preoperative anxiety, pain management, procedural support, clinical decision support and anaesthesia education.

#### VR and Immersive Technologies in Anaesthesiology - A First-Hand Experience

*Clyde Matava, Canada*

#### VR and Immersive Technologies in Anaesthesiology - A First-Hand Experience

*Kim Nguyen, United States*

#### VR and Immersive Technologies in Anaesthesiology - A First-Hand Experience

*Kathleen Chen, United States*

#### VR and Immersive Technologies in Anaesthesiology - A First-Hand Experience

*Ellen Wang, United States*

#### VR and Immersive Technologies in Anaesthesiology - A First-Hand Experience

*Jonathan Tan, United States*

**Session Date/Time: Monday, March 4, 2024 - 10:30 - 12:30**

MR 334 (Level 3)

### Education, Simulation & Development Workshop: Introduction of Simulation in Low-Resource Settings

Workshop Fee: 10 USD

Simulation-based education is a highly effective method of develop clinical and behavioural skills. There are many barriers that may limit the use of simulation in low-resource settings. This workshop will explore the pre-requisites for use of simulation training and will use illustrative examples drawn from Vital Anaesthesia Simulation Training (VAST) to explore how to build capacity for simulation training in low-resource settings. This workshop will be suitable for those working in a low-resource setting, or those interested in helping support simulation activities in low-resource settings.

At the end of this workshop, participants will be able to:

1. Analyse the benefits and limitations of simulation training.
2. Specify the values and goals the simulation activity is aiming to address.
3. Identify the minimum requirements for conducting effective simulation activity.
4. Develop an implementation plan and realistic timeline for sustainable delivery.

## PROGRAMME

**Introduction of Simulation in Low-Resource Settings**

*Adam Mossenson, Australia*

**Introduction of Simulation in Low-Resource Settings**

*Karima Khalid, Tanzania, United Republic of*

**Introduction of Simulation in Low-Resource Settings**

*Rodrigo Rubio, Mexico*

**Introduction of Simulation in Low-Resource Settings**

*Gaston Nyirigira, Rwanda*

**Introduction of Simulation in Low-Resource Settings**

*Teresa Skelton, Canada*

**Introduction of Simulation in Low-Resource Settings**

*Jonathan Bailey, Canada*

**Session Date/Time: Monday, March 4, 2024 - 14:00 - 15:30**

MR 332 (Level 3)

**Education, Simulation & Development Workshop: How to Give a Better Presentation and Large Group Teaching**

Workshop Fee: 10 USD

By the end of this session, learners will be able to:

1. Identify ways they can make visual aids more effective.
2. Include ways to increase engagement and attention by learners.
3. Plan presentations that are better understood and more memorable.

**How to Give a Better Presentation and Large Group Teaching**

*Dylan Bould, Canada*

**How to Give a Better Presentation and Large Group Teaching**

*Sonia Akrimi, United Kingdom*

**PROGRAMME****Tuesday, March 05, 2024****Session Date/Time: Tuesday, March 5, 2024 - 08:15 - 09:45**

MR 333 (Level 3)

**Education, Simulation & Development Workshop: From Inspiration to Publication**

Workshop Fee: Complimentary

By the end of this session, learners will be able to:

1. List three steps necessary to transform an idea into a practical project.
2. Describe three important elements of writing a manuscript.
3. Analyse the suitability of a manuscript for publication.

**From Paper to Publication***Angela Enright, Canada***From Project to Paper***Dylan Bould, Canada***From Proposal to Project***Bhiken Naik, United States***Session Date/Time: Tuesday, March 5, 2024 - 13:00 - 14:00**

MR 324 (Level 3)

**Education, Simulation & Development: Findings from Utstein Meeting in Simulation**

By the end of this session, learners will be able to:

1. Describe the impact of simulation based education (SBE) in healthcare professional training.
2. Identify high-priority domains in SBE for anaesthesia training.
3. Describe the development of a global agenda to integrate SBE in anaesthesia specialist training through Utstein-style collaborative meeting.
4. Discuss the barriers and facilitators to implementing SBE training in different settings.

13:00 **Chair: Session Introduction***Rodrigo Rubio, Mexico*13:02 **Findings from Utstein Meeting in Simulation - Adapting Recommendations to Local Culture and Context***Maytinee Lilaonitkul, United States*13:47 **Questions and Answers****Session Date/Time: Tuesday, March 5, 2024 - 14:00 - 15:00**

MR 324 (Level 3)

**Education, Simulation & Development: The New Era of Remote Learning**

There exist large global disparities in access and quality of medical education and training. In 1950 medical knowledge doubled in 50 years. In 2010 it doubled every 73 days. With this rapid expansion of medical knowledge global gaps are deepening and accelerating, necessitating innovative ways to share education. Through this session, learners will:

1. Understand various ways education and training can be delivered remotely.
2. List quality indicators for remote and online educational initiatives.

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3. Explore frameworks for building globally accessible education and training programs.

- 14:00      **Chair: Session Introduction**  
*Vanda Abi Raad, Lebanon*
- 14:02      **The Implementation of a Remote Hands-on Airway Management Training Course in China - The “All-In-One” Airway Training Program**  
*Wenxian Li, China*
- 14:17      **Clinical Telementoring Program for Remote Settings**  
*Ana Crawford, United States*
- 14:32      **Tele Simulation C1DO1**  
*Marcia Corvetto, Chile*
- 14:47      **Questions and Answers**

**Session Date/Time: Tuesday, March 5, 2024 - 15:30 - 16:30**

MR 324 (Level 3)

### Education, Simulation & Development: Simulation in Resource-Constrained Settings

Simulation is frequently associated with modern technology and high resource infrastructure often involving large investments by institutions. However, not everyone has access to these investments and simulation has proven to be an effective learning methodology. By the end of this session, learners will be able to:

1. Describe how colleagues from limited resource settings are using simulation for education.
2. Discuss how one might develop simulation opportunities without requiring large economical investments.

- 15:30      **Chair: Session Introduction**  
*Maytinee Lilaonitkul, United States*
- 15:32      **Few Resources/No Problem.. The Latin American Solution**  
*Rodrigo Rubio, Mexico*
- 15:47      **Mobile Obstetric Simulation Team Training in East Africa**  
*Mark Newton, United States*
- 16:02      **Vital Anaesthesia Simulation Training (VAST) - What’s in a Name?**  
*Adam Mossenson, Australia*
- 16:17      **Questions and Answers**

**Session Date/Time: Tuesday, March 5, 2024 - 16:30 - 17:30**

MR 324 (Level 3)

### Education, Simulation & Development: VR Immersive Technology in Anaesthesia

By the end of this session, learners will be able to:

1. Discuss the use of VR technologies in clinical care and education.
2. Describe the best available evidence and practices for implementing VR in the peri-anaesthesia space to improve patient outcomes.

- 16:30      **Chair: Session Introduction**  
*Jonathan Tan, United States*

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- 16:32 **Improving Patient Experiences and Reducing Pre-operative Anxiety Using VR**  
*Ellen Wang, United States*
- 16:47 **Adopting Emerging Technologies to Improve Patient Care**  
*Cynthia Khoo, United States*
- 17:02 **Using VR for Anaesthesia Education – The Future is Here**  
*Clyde Matava, Canada*
- 17:17 **Questions and Answers**

## PROGRAMME

### Wednesday, March 06, 2024

**Session Date/Time: Wednesday, March 6, 2024 - 08:30 - 09:30**

MR 331 (Level 3)

#### **Education, Simulation & Development: Emerging Approaches for Anaesthesia Education - Around World in 60 Minutes**

This session aims to provide a tour of the latest and most innovative approaches to anaesthesia education from around the world. In just 60 minutes, attendees will gain insights into cutting-edge techniques, technologies, and strategies that are shaping the future of anaesthesia education. By the end of this session, learners will be able to:

1. Describe several innovative approaches to teaching and learning that can be adapted and integrated into their own educational programs.
2. Gain insight into how emerging technologies, such as e-learning platforms, podcasts, and 3-D printing are being leveraged to enhance anaesthesia education.

08:30 **Chair: Session Introduction**

*Faye Evans, United States*

08:32 **3D Printing in Anaesthesia Education**

*Ruth Shaylor, Israel*

08:44 **Social Media for Anaesthesia Education**

*Murali Thondebhavi, India*

08:56 **Apps for Anaesthesia**

*Ahmed Rhassane El Adib, Morocco*

09:08 **Hybrid E-learning - Spinal Anaesthesia Project in Nambia**

*Andrew Ottaway, Australia*

09:20 **Questions and Answers**

**Session Date/Time: Wednesday, March 6, 2024 - 09:30 - 10:30**

MR 331 (Level 3)

#### **Education, Simulation & Development: Educational Partnerships, Engagement, Empowerment, and Sustainability**

Educational partnerships are a development model where members from different health organisations work together to develop their respective healthcare systems. Collaboration, reciprocal learning, and ethical practice are vital features.

09:30 **Chair: Session Introduction**

*Sonia Akrimi, United Kingdom*

09:32 **PATA-Paediatric Anaesthesia Training in Africa**

*Mary T. Nabukenya, Uganda*

09:47 **Zambia Anaesthesia Development Program**

*Masuzyo Zyambo, Zambia*

10:02 **Papua New Guinea/Australia/NZ Partnership**

*Kenton Biribo, Fiji*

10:17 **Questions and Answers**

**Session Date/Time: Wednesday, March 6, 2024 - 11:15 - 12:15**

## PROGRAMME

406 (Level 4)

### Education, Simulation & Development: Communities of Practice in Anaesthesia

In this session, members of three international partnerships discuss themes of engagement, empowerment, sustainability, challenges encountered, and solutions built.

- 11:15      **Chair: Session Introduction**  
*Faye Evans, United States*
- 11:17      **The Anaesthesia Online Learning Community**  
*Sonia Akrimi, United Kingdom*
- 11:32      **Safe Paediatric Anaesthesia Network (SPAN)**  
*Ekta Raj, India*
- 11:47      **Pan-African Post-graduate Anaesthesia Curriculum Development Discussion Group**  
*Robert Djagbletey, Ghana*
- 12:02      **Questions and Answers**

**Session Date/Time: Wednesday, March 6, 2024 - 13:45 - 14:45**

MR 324 (Level 3)

### Education, Simulation & Development: Where Are We with Competency Based Education in 2024

By the end of the session learners will be able to:

1. To develop a shared mental model of Competency Based Medical Education (CBME).
2. To understand the drivers of CBME.
3. To explore the hurdles for CBME implementation.
4. To consider future directions for CBME in anaesthesia training.

- 13:45      **Chair: Session Introduction**  
*Dylan Bould, Canada*
- 13:47      **Where Are We with Competency Based Education in 2024**  
*Jennifer Weller, New Zealand*
- 14:32      **Questions and Answers**

**Session Date/Time: Wednesday, March 6, 2024 - 14:45 - 15:45**

MR 324 (Level 3)

### Education, Simulation & Development: Global Perspectives on Competency Based Education

- 14:45      **Chair: Session Introduction**  
*Jennifer Weller, New Zealand*
- 14:47      **Implementing EPAs for Early Milestones in UK Anaesthesia Training**  
*Joe Lipton, United Kingdom*
- 15:02      **Use of Competency Based Framework to Exclude Bias**  
*Clyde Matava, Canada*



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15:17 **Challenges to Implementing Competency Based Education in Resource Constrained Settings**  
*Hazel Mumphansha Sonkwe, Zambia*

15:32 **Questions and Answers**

**Session Date/Time: Wednesday, March 6, 2024 - 16:15 - 17:15**

Exhibition Hall

### **Education, Simulation & Development E-Poster Presentations: Session 1**

All E-Posters will be showcased through a live 6-minute in-person presentation.

**Poster Moderator**

*Maytinee Lilaonitkul, United States*

**Poster Moderator**

*Mark Newton, United States*

**Session Date/Time: Wednesday, March 6, 2024 - 16:15 - 17:15**

Exhibition Hall

### **Education, Simulation & Development E-Poster Presentations: Session 2**

All E-Posters will be showcased through a live 6-minute in-person presentation.

**Poster Moderator**

*Gaston Nyirigira, Rwanda*

**Poster Moderator**

*Joe Lipton, United Kingdom*

**Session Date/Time: Wednesday, March 6, 2024 - 16:15 - 17:15**

Exhibition Hall

### **Education, Simulation & Development E-Poster Presentations: Session 3**

All E-Posters will be showcased through a live 6-minute in-person presentation.

**Poster Moderator**

*Rob McDougall, Australia*

**Poster Moderator**

*Murali Thondebhavi, India*

**Session Date/Time: Wednesday, March 6, 2024 - 16:15 - 17:15**

Exhibition Hall

### **Education, Simulation & Development E-Poster Presentations: Session 4**

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All E-Posters will be showcased through a live 6-minute in-person presentation.

**Poster Moderator**

*Jennifer Weller, New Zealand*

**Poster Moderator**

*Rodrigo Rubio, Mexico*

**Session Date/Time: Wednesday, March 6, 2024 - 16:15 - 17:15**

Exhibition Hall

**Education, Simulation & Development E-Poster Presentations: Session 5**

All E-Posters will be showcased through a live 6-minute in-person presentation.

**Poster Moderator**

*Adisa Šabanović Adilović, Bosnia and Herzegovina*

**Poster Moderator**

*Miodrag Milenovic, Serbia*

**Session Date/Time: Wednesday, March 6, 2024 - 16:15 - 17:15**

Exhibition Hall

**Education, Simulation & Development E-Poster Presentations: Session 6**

All E-Posters will be showcased through a live 6-minute in-person presentation.

**Poster Moderator**

*Mary T. Nabukenya, Uganda*

**Poster Moderator**

*Dylan Bould, Canada*

**Session Date/Time: Wednesday, March 6, 2024 - 16:15 - 17:15**

Exhibition Hall

**Education, Simulation & Development E-Poster Presentations: Session 7**

All E-Posters will be showcased through a live 6-minute in-person presentation.

**Poster Moderator**

*Francoise Nizeyimana, Rwanda*

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**Poster Moderator**

*Teresa Skelton, Canada*

**Session Date/Time: Wednesday, March 6, 2024 - 16:15 - 17:15**

Exhibition Hall

**Education, Simulation & Development E-Poster Presentations: Session 8**

All E-Posters will be showcased through a live 6-minute in-person presentation.

**Poster Moderator**

*Chris Bowden, Australia*

**Poster Moderator**

*Ekta Rai, India*

## PROGRAMME

### Thursday, March 07, 2024

**Session Date/Time: Thursday, March 7, 2024 - 08:30 - 09:30**

MR 324 (Level 3)

#### **Education, Simulation & Development: Leadership and Management - How Do You Lead Change in Anaesthesia**

Through this session, learners will :

1. Compare and contrast different approaches to leadership in times of change/crisis.
2. Explain how leadership behaviour can lead to change.
3. Discuss the attributes of a healthy team.
4. Describe the challenges facing leaders and followers in a LMIC setting.

08:30 **Chair: Session Introduction**

*Rob McDougall, Australia*

08:32 **Leading Healthy Teams - Challenges and Lessons Learned**

*Chris Bowden, Australia*

08:47 **Leadership in Times of Crisis-Adapting to the New Normal**

*Marie Aouad Maroun, Lebanon*

09:02 **Leading and Working with Multi-Cadre Anaesthesia Teams in LMIC: Opportunities and Challenges**

*Stephen Okelo, Kenya*

09:17 **Questions and Answers**

**Session Date/Time: Thursday, March 7, 2024 - 09:30 - 10:30**

MR 324 (Level 3)

#### **Education, Simulation & Development: Emerging Leaders - Graduates from the WFSA Supported Programs**

The WFSA offers a range of subspecialty fellowships to anaesthesiologists from low and middle income countries.

A well-established program which has enabled subspecialty training to over 400 fellows from over 60 countries; In this session we will hear first-hand from some of the previous WFSA fellows about their experience. This session would be useful to anyone currently or considering leading or undertaking a fellowship or who is interested to hear more about the programme and its impact. In addition, we will hear one anaesthesiologists' career journey rising through the ranks from patient attendant to anaesthesiologist. Through this session, learners will:

1. Gain a greater understanding of the impact of the WFSA Fellowship Programme.
2. Learn more about a non-standard career pathway to becoming an anaesthesiologist.
3. Explore frameworks for building globally accessible education and training programmes.

09:30 **Chair: Session Introduction**

*Jolene Moore, United Kingdom*

09:32 **Paediatric Anaesthesia Fellowship**

*Adisa Šabanović Adilović, Bosnia and Herzegovina*

09:44 **Paediatric Anaesthesia Fellowship**

*Francoise Nizeyimana, Rwanda*

09:56 **Obstetric Anaesthesia Fellowship**

*Milena Chaves Ureña, Costa Rica*

## PROGRAMME

10:08 **From Nurse Anaesthetist to Anaesthesiologist**

*Ernest Nshom Bah, Cameroon*

10:20 **Questions and Answers**

**Session Date/Time: Thursday, March 7, 2024 - 10:50 - 11:50**

MR 324 (Level 3)

### **Education, Simulation & Development: Strengthening the Anaesthesia Workforce: How Can We Address Workplace Based Stress and Retention**

This session will provide learners:

1. An overview of the key drivers of workplace stress and challenges for retention in different contexts.
2. Strategies that have been put in place to address these concerns; stories of success, and barriers to improvement.
3. Looking forward, a roadmap for future initiatives.

10:50 **Chair: Session Introduction**

*Adam Mossenson, Australia*

10:52 **Perspective from Southern Africa**

*Hazel Mumphansha Sonkwe, Zambia*

11:04 **Perspective from Latin America**

*Pedro Ibarra, Colombia*

11:16 **Perspective from the Middle East**

*Vanda Abi Raad, Lebanon*

11:28 **Perspective from Europe**

*Miodrag Milenovic, Serbia*

11:40 **Questions and Answers**