

3<sup>rd</sup> Annual Congress and Medicare Expo on

# TRAUMA & CRITICAL CARE

March 13-14, 2017 London, UK



## Tim Collins

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### Theory and practice of intraosseous access: An interactive workshop

**Contents of Workshop:** Contents of workshop are as follows: (1) Evaluation of the literature relating to Intraosseous Access (IO); (2) Indications and contraindications for IO access; (3) Critical appraisal of the benefits and limitations of IO access; (4) Correct land marking for IO access sites; (5) Evidence based recommendations for IO practice and care management; (6) Practical demonstration of gaining IO access with simulation bones and IO equipment; (7) Application of theory to a clinical simulation scenario involving a patient with difficult vascular access and; (8) An interactive quiz to facilitate discussion and learning relating to IO theory.

**Number of Participants:** 40 are the suggested number of participants for this workshop.

**Participant Involvement:** The workshop will involve attendees demonstrating practical application of gaining IO access with simulation bones & IO equipment; demonstration and application of correct land marking for IO access and; application of pit crew CPR simulation for enabling an IO inserter to achieve access during a medical emergency. The workshop will involve attendees to reflect upon difficult vascular access patients and share their experiences within a supportive environment. An interactive case study relating to difficult vascular access and a quiz will facilitate discussion and reflection among the group.

**Flow of Workshop:** Flow of workshop is as follows: 1. Visual power point slides evaluating the literature relating to IO theory; 2. Critique of the benefits and limitations of IO access; 3. Demonstration of land marking techniques; 4. Pit crew CPR simulation; 5. Attendee's undertaking practical application of IO simulation; 6. Application of IO access to a clinical scenario and; 7. Interactive quiz, reflection and discussion.

**Learning Outcome:** This interactive workshop aims to enhance emergency provider's knowledge, practice and confidence with intraosseous vascular access.

### Biography

Tim Collins has 20 years of experience in Critical Care. He holds the position of Consultant Nurse, Lead Nurse, Charge Nurse, ICU Educator and Senior Lecturer. He is currently a British Association of Critical Care Nurses (BACCN) elected national board member and Editorial Board Member of *Nursing in Critical Care Journal* (Wiley). He has given a number of presentations at European & international conferences and has published a number of papers in peer reviewed journals and book chapters. He completed his Doctorate Degree and MSc in Critical Care. He is an Instructor in both Adult and Pediatric Advanced Life Support. His interests include Sepsis, Clinical Shock, Vascular Access, Resuscitation, Organ Donation and Hemodynamic monitoring.

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