

CREF 2009: HANDS-ON WORKSHOPS

Saturday, February 14: 1:00 – 3:00 PM

Saturday afternoon, 1:00 – 3:00 PM, attendees will have an exciting opportunity to gain hands-on experience in the following areas: Cerebral Oximetry, Clinical Perfusion of the Future, Data Management,

Myocardial Protection, and Minimally Invasive Perfusion. Each 45-minute workshop runs concurrently and repeats once after a 15-minute break, so participants may attend two of six workshops offered.

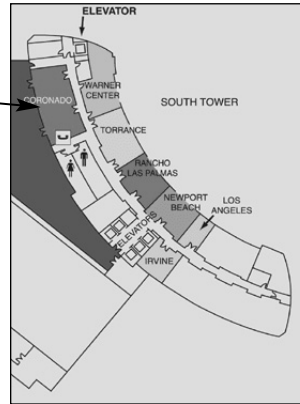
MAQUET CARDIOVASCULAR DATA MANAGEMENT

South Tower, 4th Floor: Coronado Room

Evidence Based Practice with Maquet's Data Management JOCAPXL™

WORKSHOP DESCRIPTION

- What can the user of Maquet's JOCAPXL Data Management expect?
- How can OR/Perfusion Data be integrated with hospital Network?
- What will be the future of Data Management and how will paperless charting influence daily practice in the future?



EDUCATIONAL OBJECTIVES

- Attendee should learn how to make adjustments to the daily routine. Adjustments based on evidence based parameters with statistical information during surgery and also over time.
- Attendee should understand the importance of integrating electronic/paperless charting in combination with their daily practice/routine.

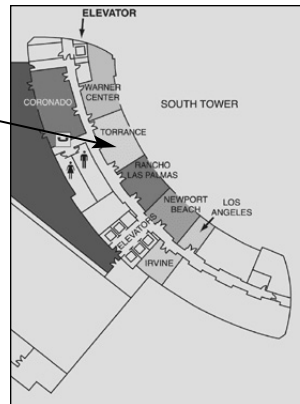
MEDTRONIC, INC. MINIMALLY INVASIVE PERFUSION

South Tower, 4th Floor: Torrance Room

WORKSHOP LEADER: Margie Taylor CCP

WORKSHOP DESCRIPTION

The Right Procedure for the Right Patient: A Multimodal Approach to Minimally Invasive Perfusion Includes: Blood management, Circuit design, Bio-Surfaces and Innovative Technologies for the adult and pediatric patient.



EDUCATIONAL OBJECTIVES

1. Demonstrate adaptation of equipment, circuits and cannulae in the Hybrid OR
2. Implementation of a comprehensive blood management program in the CVOR
3. New Frontiers in the Regulatory environment for Pediatric Innovation

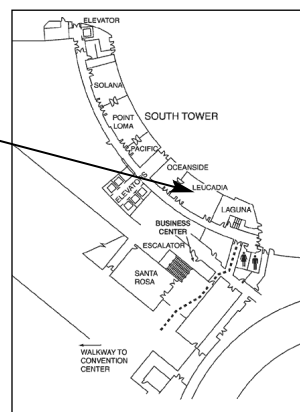
QUEST MEDICAL, INC. MYOCARDIAL PROTECTION

South Tower, 1st Floor: Leucadia Room

WORKSHOP LEADER: Ken Jones

WORKSHOP DESCRIPTION

Myocardial Protection and recovery is becoming a greater focus in our patients today due to increasing age, morbidity, and technical challenges. Perfusionists have always had a key role in cardioplegia, but now have the tool needed to assess the adequacy of protection, and can play a key role in the targeting of the myocyte and endothelium during ischemia and reperfusion. The MPS2 enables flexible strategies and integration of multiple techniques for targeted protection and the attenuation of ischemia. Our educational symposium will focus on:



WORKSHOP OBJECTIVES

1. The targets of protection
2. The physiological mechanisms of protection with Microplegia
3. Integrated approaches to microplegia as a therapy
4. Successful clinical myocardial protection strategies with the MPS2 that improve outcomes in high risk patients

Workshop Descriptions (Continued) — Saturday, February 14: 1:00 – 3:00 PM

All 45-minute workshops run concurrently and repeat once after a 15-minute break, so participants will be able to attend two workshops offered.

SOMANETICS: CEREBRAL OXIMETRY South Tower, 4th Floor: Rancho Las Palmas Room

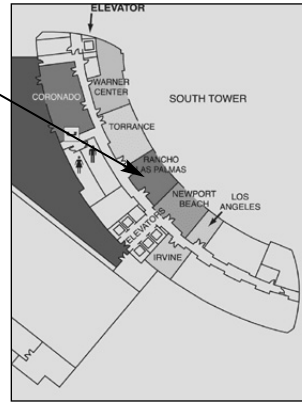
Workshop Leader: Alfred H. Stammers MSA CCP PBMT

General Focus

- Review the technology and applications of cerebral oximetry
- Describe how the device has been validated
- Discuss how clinical challenges are identified and the methods used to address desaturations
- Review the published outcome evidence
- Review graphical data from actual procedures
- Describe the applicability of INVOS technology as an adjunct to the electronic medical record
- Identify future opportunities and applications

Workshop Objectives

1. Describe a step by step method to correct cerebral desaturations during cardiac and associated surgeries.
2. Describe how surgical procedures can be prioritized by the use of



cerebral oximetry. Identify supporting information for each intervention (physiological basis, published papers and the authors own experiences) with case examples as illustrations.

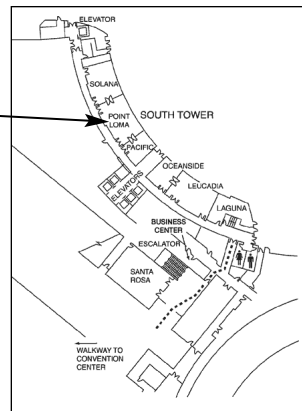
3. Describe how cerebral oximetry is employed as a safety device during cardiac surgery. Utilize published studies and case examples as supporting evidence for “standard of care” in cardiac surgery.
4. Describe the rational supporting the cerebral oximetry metrics to be collected by the Society of Thoracic Surgeons Adult Cardiac Surgery Database.
5. Review the science supporting the value of baseline and area under the curve and their relationship to outcome.
6. Detail the data collection system operation and the quality control mechanisms designed into the collection software.

SORIN: DATA MANAGEMENT APPLICATION CASE STUDIES

South Tower, 1st Floor: Point Loma Room

Workshop Description

Technological advances not only affect the devices which allow us to care for, treat, and monitor our patients but has now rapidly moved to electronic documentation of the interaction, decisions, and treatment that we provide for our patients. Benefits such as efficient and thorough data collection, quality indicator programs, and statistical analysis of collected data are some of the benefits that come along with the ease and reliability of electronic data collection. As we move toward one Electronic Medical Record for each patient we can learn from those who have already begun the journey. Please join the Sorin Group to obtain first hand knowledge of how our current DMS users have implemented the Stockert Data Management System to reach their electronic record goals.



Educational Goals:

1. Basic level of understanding pertaining to the many uses and reasons for implementing an electronic Perfusion record.
2. Knowledge of how to turn collected data into information to improve quality of your Perfusion practice.
3. Understanding of how to meet the demands and mandates of eradicating a written Perfusion record and relying solely on electronic data capture.

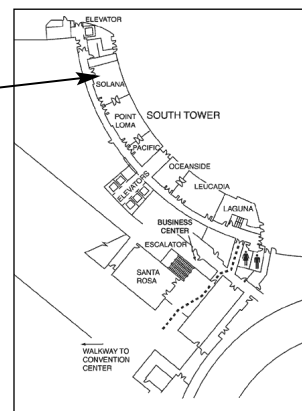
TERUMO CARDIOVASCULAR SYSTEMS CLINICAL PERFUSION OF THE FUTURE

South Tower, 1st Floor: Solana Room

Workshop Leader: Dave Fallen

General Focus

Clinical Perfusion of the Future: Discussing issues facing clinicians in the next five years.



Educational Objectives

1. See the importance of reducing circuit prime volume and surface area
2. Discover the benefits of blood gas monitoring
3. Track patient outcomes through electronic charting and data management
4. Identify opportunities to improve patient outcomes
5. Learn how to implement ideas with the surgical team