PATIENT ADVOCACY: 
THE MEDTRONIC EXPERIENCE

Increase patient safety while building a more collaborative and resilient cardiac OR team.¹,²

Mark G. Bearss
AmSECT Quality & Outcomes, October 19, 2017
Portland, Oregon


Objectives

Disclosures

- Historical Perspectives
- Innovations in Clinical Education
- Manufacturing’s Role
- Current Experience

- Education & Training Consultant on behalf of Medtronic PLC, Minneapolis
At least 44,000 people and perhaps as many as 98,000 people, die in hospitals EACH YEAR as a result of medical errors that could have been prevented.
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Historical Perspectives _ Common Themes

- Communication Errors
- Systems Inefficiencies
- Training Deficiencies
- Human Factors Deficiencies
- Transparency

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Clinical Education & Educational Technologies
Medtronic's role_2008
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Clinical Education & Educational Technologies
Medtronic's role_2010

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Clinical Education & Educational Technologies
Medtronic's role_2011

- MN Perfusion Society Simulation Workshop, September 2011
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Clinical Education & Educational Technologies
Medtronic’s role_2012-2015

Heparin Resistance
Inadequate Venous Return
Mis-positioned Aortic Cannula
Accidental Aortic Decannulation
De-primed Venous Line
Failure to Oxygenate
High Trans-membrane Pressure Drop
Inability to achieve full flow
Arterial Macro-Air Embolism
Vasoplegia
Loss of Arterial Blood Flow
Inability to achieve cardiac arrest
Aortic Dissection
Protamine Reaction
Emergent re-institution of CPB

“In perfusion the sim lab is the only place where failure is not only expected it is encouraged because it is the best place for bad things to happen.”

Kris Nielsen, CCP
The American Heart Association recommends that team training focused on improving
• communication,
• leadership, and
• situational awareness
should be implemented in cardiac operating rooms and should involve all members of the cardiac operating team.¹


MEDTRONIC IMMERSIVE PATIENT SAFETY TEAM TRAINING

Learn from Highly Experienced Faculty –

- **Ross Ungerleider, MD, MBA**: Director of the Heart Program for Driscoll Children’s Hospital and recognized thought leader on the topic of highly resonant teams
- **Joyce Wahr, MD**: Medical Director of the Perioperative Assessment Center, University of Minnesota, 20 years as cardiac anesthesiologist, and lead author of the AHA Scientific Statement on Patient Safety in the Cardiac OR room
- **Jamie Dickey Ungerleider, MSW, PhD**: 40 years’ experience as psychotherapist, executive coach, author and educator
- **Lori G. Cohen, ESQ**: Served as both national and regional counsel for pharmaceutical and medical device companies and has a national practice focusing on product liability litigation.
- **Kris L. Nielsen, CCP**: Over 27 years experience as a clinical perfusionist, past experience as ECMO coordinator and...
IMMERSIVE PATIENT SAFETY TEAM TRAINING

Build a Resilient Cardiac OR Team

Over 1.5 days your team will:

- Explore the factors surrounding a crisis event
- Uncover communication and behavior patterns
- Discover new approaches to mitigate risk
- Learn to strengthen your team’s focus, cohesion, and job satisfaction

Immersive Team Training gives your cardiac OR team the skills to avoid medical errors and to know what to do should the unthinkable happen.

Benefit from Customized Training Topics

- High fidelity adverse event and crisis scenario simulation
- Customized training, unique to each team
- Technical and troubleshooting skill development
- Human factors and communication
- Cognitive aid tool development
- Medical liability impact on teams
- Process improvement practices
IMMERSIVE PATIENT SAFETY TEAM TRAINING

Visit [www.medtronic.com/CardiacTeamTraining](http://www.medtronic.com/CardiacTeamTraining) To:

- Listen to Program Participants
- Hear about the Immersive Team Training course objectives, methods, benefits
- Download a brochure
- Hear highly experienced faculty discuss the training