NEW DEVELOPMENTS IN OR FUNCTION AND SAFETY

How Technology, Surgical Techniques, Protocols, and OR Design Improve Outcomes
I hope to show you how advances on several fronts are producing improvements in patient safety, comfort, efficiency, and costs.

Areas of Influence - Advances in:
- Technology
- Technique
- Protocols
- OR Construction
Technology Advances

- Computer Integration for Navigation
- Imaging
- Electronic Medical Records
- Improved Implants
- New Drugs
- 3D Modeling and construction
Surgical Techniques

- Minimally Invasive Surgeries (MIS).
- Application of Computers in preplanning.
- Application of computers for real time feedback and precision during surgery.
- Hybrid Integration of Imaging and Surgery.
Protocols and Institutes

- Gone from Marketing catch phrase to meaningful outcome improvements.
- Produce more consistent outcomes.
- Reduce hospitalization stays and costs.
- Reduce complications numbers and severity.
- Improve patient and family satisfaction.
Operating Room Suite Planning and Construction

- Work flow improvements.
- Decreased infections thru technology.
- Increased integration of technology.
- Increased communication.
- Increased safety for patients and staff.
- Lower operating expenses & down time.
- Increased flexibility and adaptability.
Saint Francis Perioperative Renovation Example

Review the phases in planning:
- Determine community need.
- Obtain administrative and end users’ input.
- Budgeting.
- Plan refinement
- Health Care approval and Permitting
Planning Team

- Administration and End Users.
- Architects
- Contractors and Subs
- Equipment planning.
- Project Management.
- Engineering (Electrical, Mechanical, Civil Structural, Low Voltage).
Hospital Construction Phases

- Pre-Planning
- Schematic Design
- Design Development
- Construction Documents
- Construction
- Commissioning
- Occupancy and Operation
Reviewed areas of advances which have affected Operating Room performance and Outcomes.

Used the St Francis Hospital PeriOperative Renovation Project to highlight the elements necessary for an effective, safe and economical Surgical Service.
Thank You

- Your take away...
  Improved outcomes usually translate into an earlier return of an injured worker, who has less disability and an improved perspective. There should have been more safety to the patient, and all at a lower cost to patient and employer.

- Questions