

Bridging the Gap Between Nursing and Biomed

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Disclaimer

We the speakers have no financial relationships to disclose in relation to this topic.

The views expressed are our own.



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Objectives

- 1) Understand the need for collaboration between Perioperative Nursing & Biomedical Engineering
- 2) Describe elements of effective communication
- 3) Discuss opportunities to bridge the gap between Perioperative Nursing and Biomedical Engineering



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Collaboration



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Nurse Responsibilities

- Patient Care Advocate
- Collaboration with Interprofessional Teams
- Technology & Equipment



Why Perioperative Nurses and Biomedical Engineers Must Collaborate

1. Ensure Safe and Effective use of medical equipment
 - Technology Reliability
 - Prevention of Downtime



2. Training and Support

- Troubleshooting
- Optimization



3. Innovation Based on Clinical Needs

- Direct Feedback Loop
- Tailored Solutions

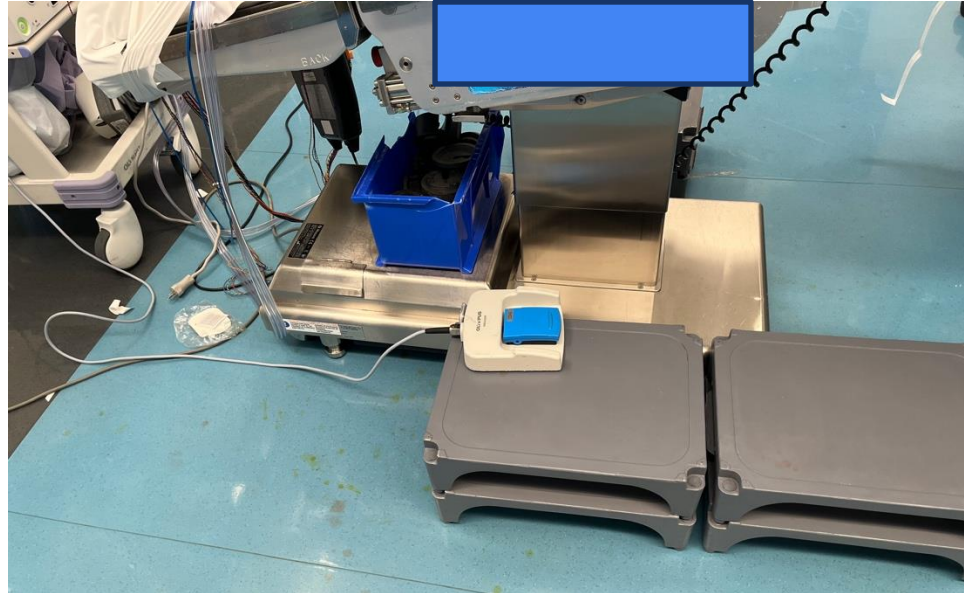


4. Patient Safety and Outcome Improvement

- Joint responsibility



Real World Challenges



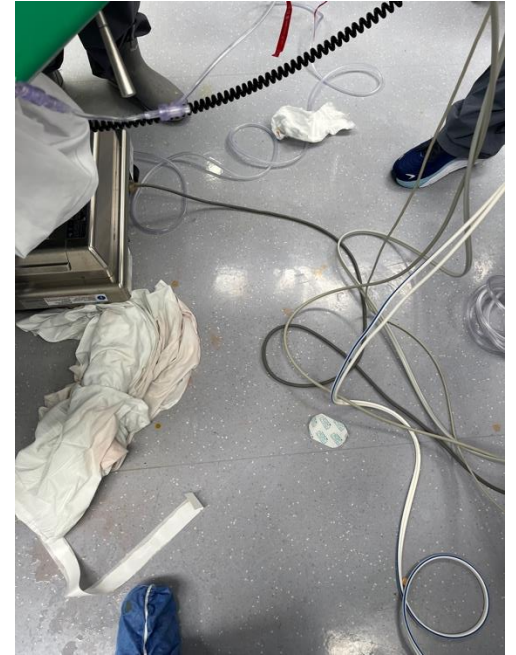
Pain Points

- Fragile
- Storage



Pain Points

- Plugs and cords
- Technology





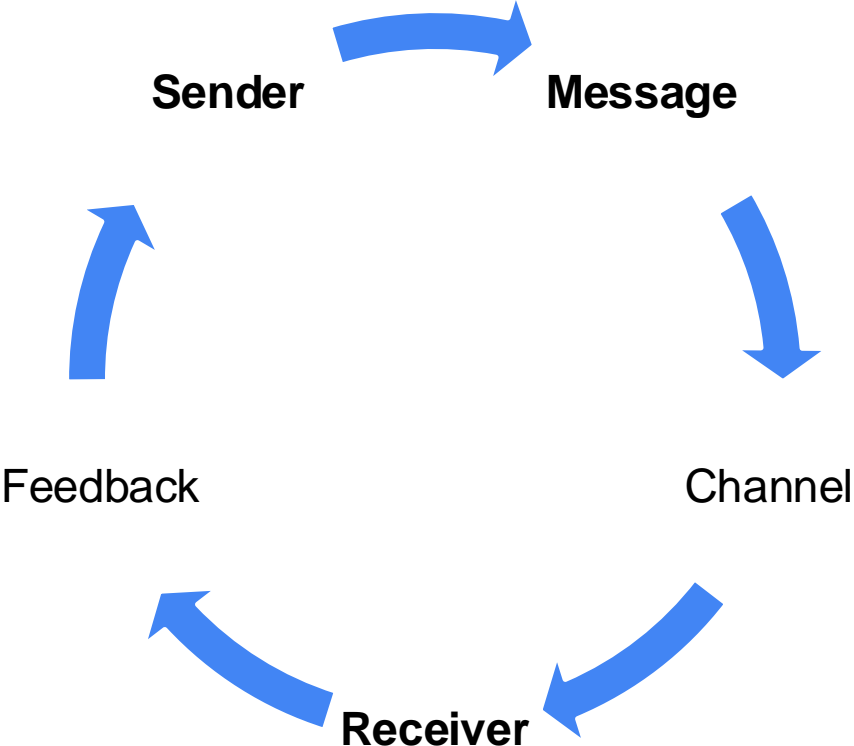
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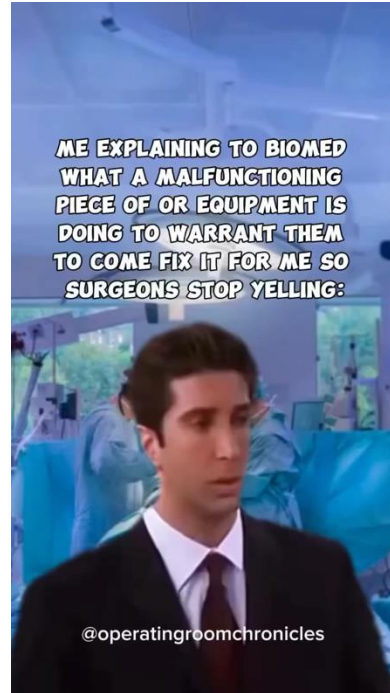
Communication



Parts of Communication



For Example



For Example

How often do you see this?



Challenges in Communication

- Terminology
- Prioritization of issues
- Lacking structured communication tools
- Response



Challenges in Communication



- Shift changes
- Documentation discrepancies
- Language barriers



Standardized Tools

Scenario:

The OR nurse notices that a camera light source is flickering intermittently during a laparoscopic procedure and contacts the biomedical staff.

C**U****S**

- **C**oncerned
- **U**ncomfortable
- **S**afety



Standardized Tools



Bridge the Gap



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Expectations

- Include all stakeholders
- Standardize process



Education

- Part of training and on-boarding
- Build resources
- Provide feedback
- Data



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Teamwork

- Mutual respect and understanding
- Visibility and involvement
- Transparent and honest communication
- Education



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Customized Tool

If you need assistance from Biomed, just say **PLEASE**:

P – Product Identifier

Identify the device or equipment causing the issue

L – Location of Problem

Specify where the equipment is located / where it should be returned (room, department, etc.)

E – Error Messages

List any error codes or alerts on the device

A – Actions Taken

Describe any troubleshooting steps or actions already performed

S – Specific Description of Problem

Provide a detailed explanation of what's wrong with the equipment

E – Escalation Urgency

Indicate the urgency level (Is patient care affected?, Is a replacement available?)



Mutual Respect – Communication – Teamwork



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Thank you!



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