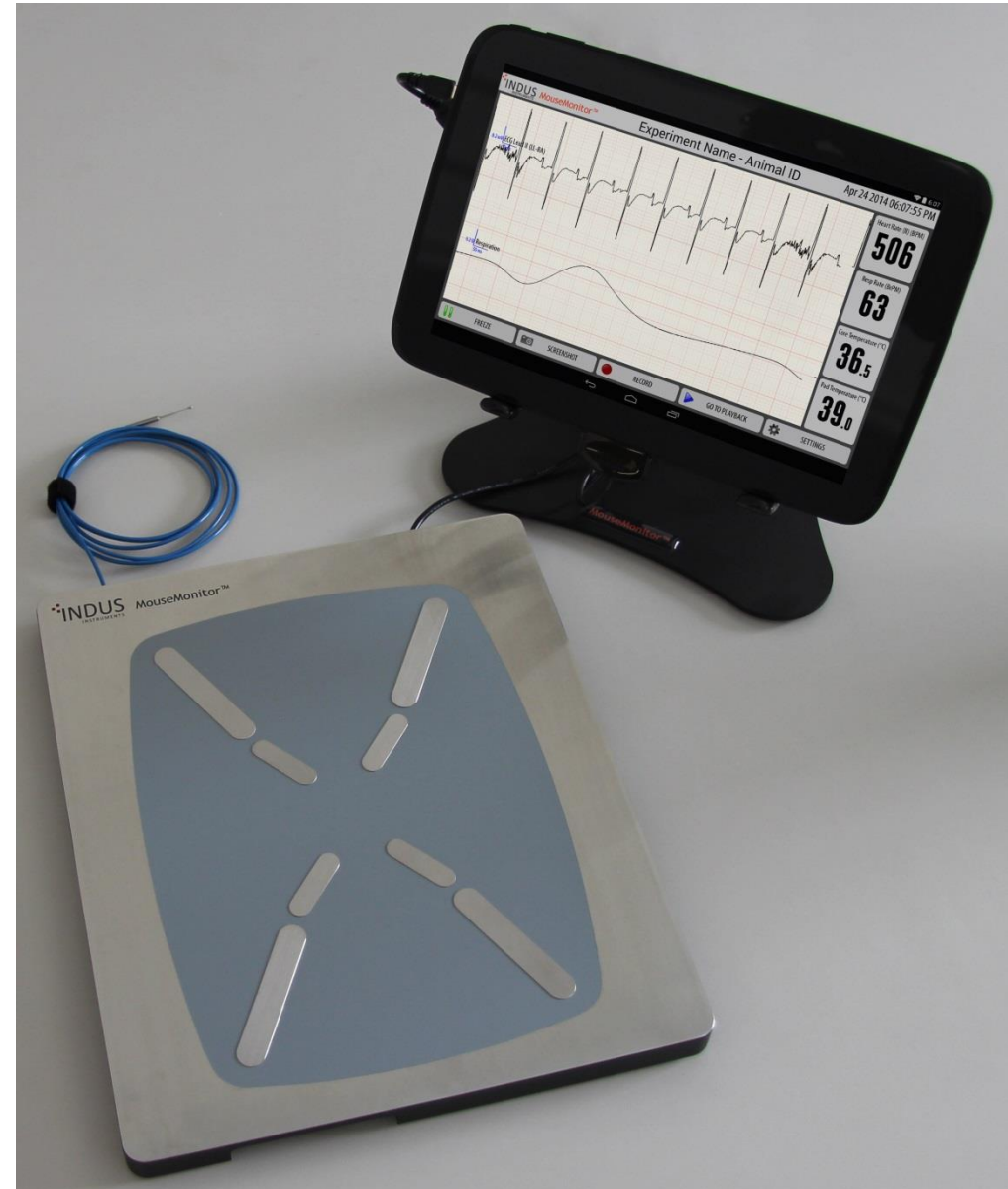


# Surgical Monitoring

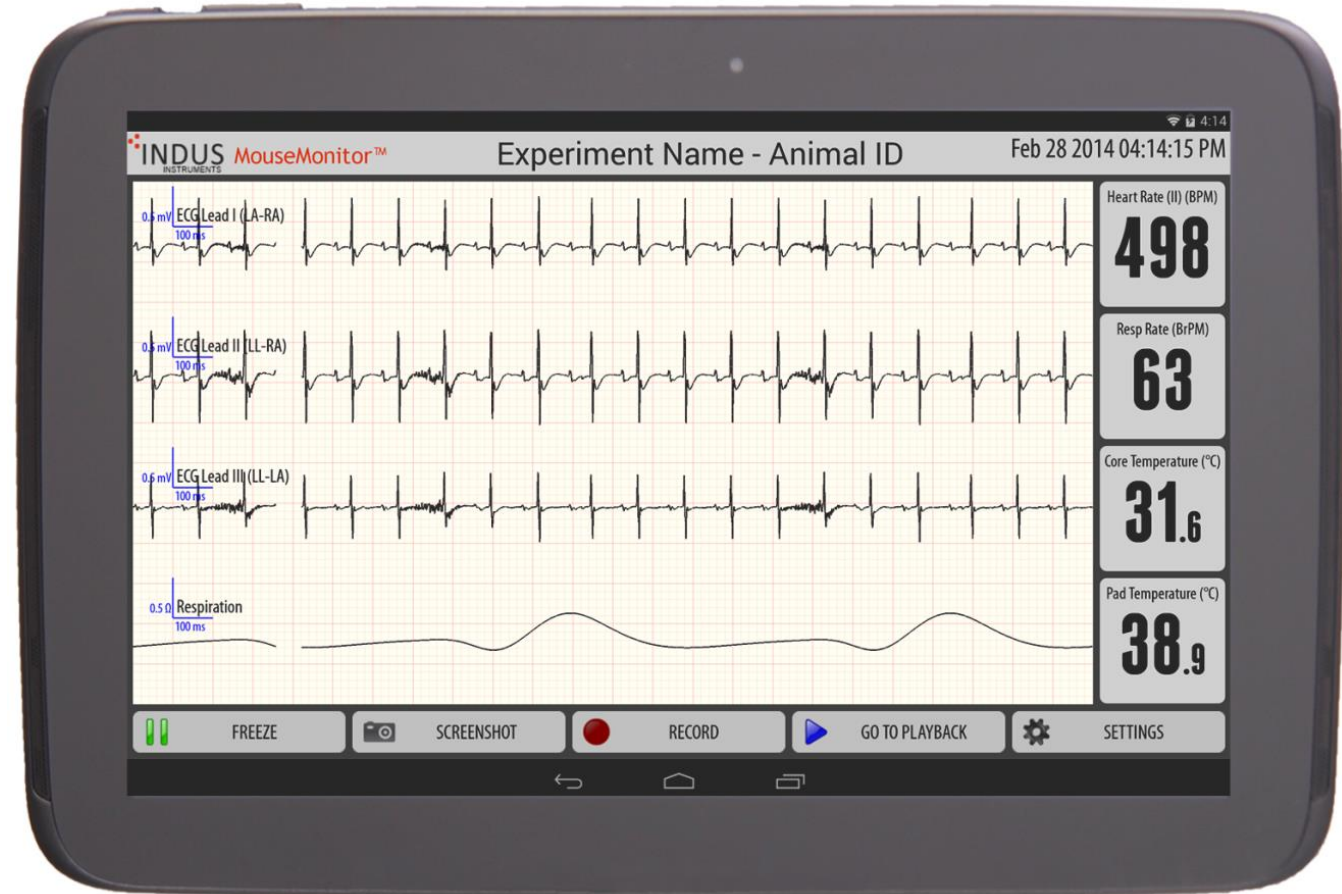
- ▶ An integrated approach can help your lab increase survival rates, satisfy your IACUC & improve surgical & study outcomes.

**Presenter:** Graham Sattler  
Director of Product Development  
Indus Instruments



# Tech Trade Presentation Overview

- 1) NRC Surgical Recommendations
- 2) Why Surgical Monitoring?
- 3) Key Monitoring Requirements



# NRC Surgical Recommendations

## Latest Changes in *The Guide* : IACUC Research

### Protocol Requirements Increasing

- More Monitoring (p. 105, 112, 115, 119-123, 147)
- Improved Aseptic Technique (p. 34, 115-119)
- Preference for Non-Invasive Methods (p. 25)
- Better Thermoregulation (p. 46, 119, 122)
- More Documentation (p. 31, 34, 115-116, 119-120)



# Monitoring is Key

## **Surgery: An Area of Heightened Concern**

- Induce Anesthesia
- Stabilize & Maintain Anesthesia
- Prepare Subject & Surgical Site
- Perform Surgical Procedure
- Recovery from Anesthesia



# Why Surgical Monitoring?

## How does it add value to my surgeries and research?

- Increase Survival Rates
- Increase Surgical Consistency
- Reduce Study Variability
- Satisfy IACUC Requirements

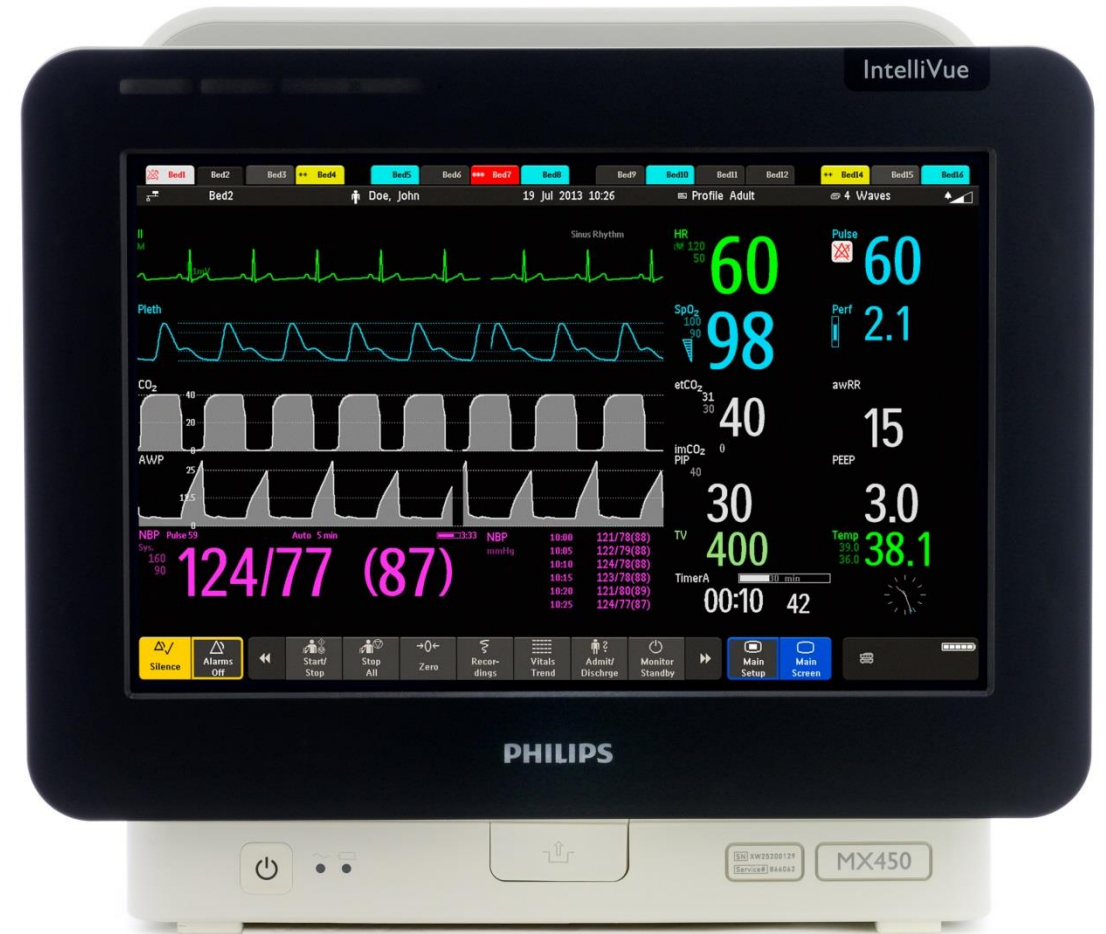


# Clinical Benefits of Surgical Monitoring

## Outcome Improvements Drove Adoption

- Compact Presentation of Vital Signs
- Easy to Use & Actionable Information
- Increased Survival Rates
- Increased Surgical Consistency

## Better Patient Outcomes



# Repeatability is Key

## **Surgical Monitoring Reduces Variability**

- Provide a Stable Preparation
- Spot Potential Problems Earlier
- Enable Timely Surgical Interventions
- Improve Survival Rates



# Surgical Monitoring Requirements

## Finding A System Designed for Surgery

- Easy to Sterilize for Aseptic Procedure
- Maintain Surgical Access while Monitoring
- Support Multiple Subject Positions
- Support Multiple Animal Models
- Non-Invasive Monitoring

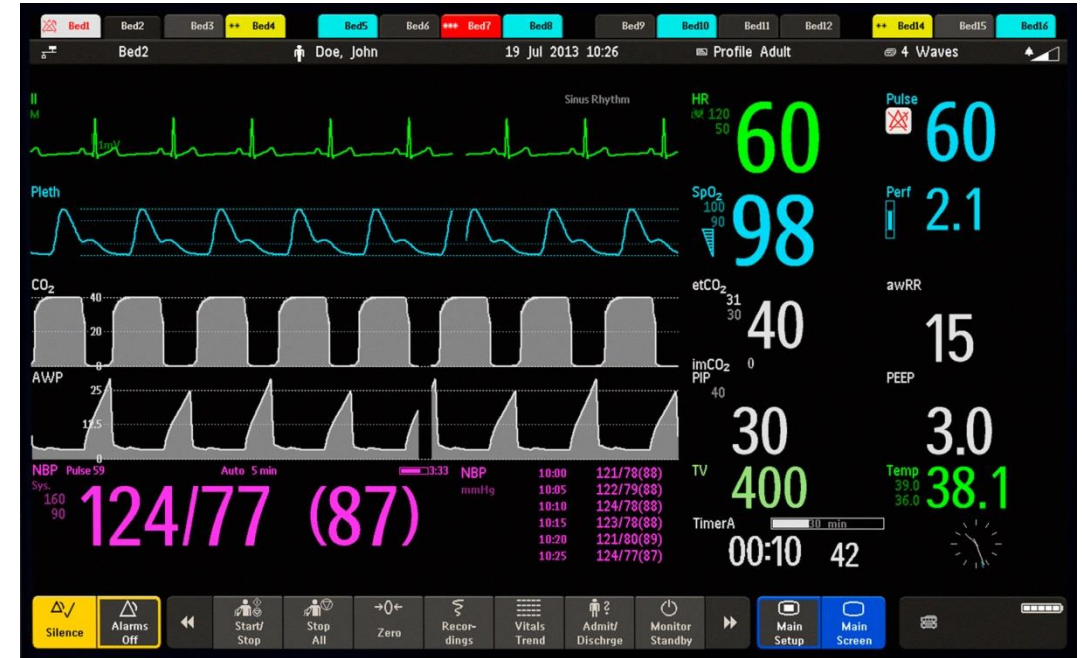




# Surgical Information Integration

## Warming & Comprehensive Monitoring

- Responsive & Adaptive Warming
- Monitor Heart Rate, Breath Rate, Core Temperature & Blood Oxygen
- Clear Info Displays like Clinical Devices
- Screenshots for Documentation
- Recording & Playback for Data Analysis



# Conclusion

## **Surgical Monitoring Improves Outcomes**

- Increases Survival Rates
- Enables Better Surgical Responses
- Increases Surgical Consistency
- Reduces Study Variability
- Simplifies IACUC Compliance



# Questions & Contact

## Contact Info:



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