A Novel Device to Standardize Infection Control in Anesthesiology

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Introduction: The contamination in Anesthesia Work Environment is difficult to control. Placing dirty equipment on the Anesthesia Machines, multiple tactile interaction with touch screens, monitors, keyboard and mouse all increase available areas of contamination. Currently there is no systematic approach to address this problem. Transmission of pathogens in Anesthesia Work Environment has been documented by multiple studies. We present a novel device kits to standardize infection control in Anesthesiology Environment.

Design of Anesthesia Organizer Kit:
The Anesthesia Organizer and Anesthesia Hygiene Organizer Kits
1. Ensure a clean area to lay out equipment ready for use on a patient
2. Have a non permeable barrier to place contaminated equipment.
3. Organizational pouches to stow safely contaminated equipment.
4. These pouches are detachable to safely remove contaminated equipment from Operating Room.
5. Allow visual separation of clean and dirty areas preventing mixing of supplies between cases.

Conclusion: Standardizing infection control with simple barrier techniques could reduce contamination of Anesthesia Work Environment. This reduction in bacterial load could reduce intraoperative bacterial transmission in Anesthesia Work Environment. Further research will
be required investigate the effect of Clean Anesthesia Environment in intraoperative bacterial transmission and Surgical Site Infections.

**Full Disclosure:** Murlikrishna Kannan and Sushmitha Santhosh are majority owners of Anesthesia Hygiene that designs and manufactures Anesthesia Organizer and Anesthesia Hygiene Organizers.

**References:**