NOVEL PREOPERATIVE SKIN PREPARATION: ELIMINATING THE “PATIENT COMPLIANCE” PROBLEM

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INTRODUCTION
Prophylactic treatments are currently in use to help reduce the incidence of surgical site infections (SSI), the most costly of all hospital acquired infections. A recent survey of Perioperative Clinicians suggests that skin flora suppression is extremely important for preoperative skin prep (Figure 1).1

METHODS
Log reduction testing of a dual antimicrobial silicone adhesive on a polyurethane film for preoperative skin preparation.

PERIOPERATIVE NURSING IMPLICATIONS
Reducing the amount of time needed by the Perioperative Nurse to explain usage instructions, thereby reducing the patient compliance problem that exists with wipes and soaps.

RESULTS AND DISCUSSION
• DASF can be applied to a patient’s skin by a healthcare professional at a preoperative appointment or by the patient themselves in less than 30 seconds and will stay on for up to 7 days.
• DASF provides rapid and ongoing antimicrobial activity as well as a barrier to external contamination.
• No colonies formed during strike-through testing.

By reducing the risk of non-compliance, an easy-to-use dual antimicrobial activity of a silicone adhesive film represents a potentially significant improvement in practice that can standardize an institution’s approach to pre-procedural skin preparation.

REFERENCES

This product is not FDA cleared and is not commercially available.