



# ALGIDEX Ag™ I.V. CATHETER PATCH EVALUATION

Conducted in a Regional Hospital System in Florida

**Date** June 1-June 30, 2005

**Location** MICU, CVICU (ADULT UNITS)

**Duration** 30 days

**Education** Nurses in these areas were instructed on the proper application of the Algidex Ag™ I.V. Patch.

**Hypothesis** The Infection rate for central lines with the Algidex Patch will remain the same or be slightly lower than present infection rate. A dramatic drop is not expected due to the fact that an antimicrobial sponge has been previously utilized in these units.

Compliance with the use of this product will increase. The expectation will be 100% utilization, during the trial period.

**Method** During the week prior to the commencement of the trial, nurses in targeted units were given instruction specific to the utilization of this product. This included providing product to physician during insertion, and utilization of the product with central line dressing change. Patients with existing lines where alternative products have been utilized were excluded from the trial.

If line is inserted in O.R. during trial period, dressing will be changed within 24 hours of arrival to the unit and the patch will be utilized.

**Evaluations** During the evaluation period this product was used exclusively in the two units surveyed. Utilization of the product was assured by removing existing product from stock, and by observation of patients in these two 8 bed units.

During the course of the product evaluation there was only one documented infection in the CVICU. This patient was a high risk patient with multiple comorbidities and an extended stay in the ICU.

The rate for CVICU was 9.09 per 1000 projected line days. This was derived from 1 infection from 110 actual line days.

The rate of infection in the MICU was 0. There were 57 line days in this unit.

The hypothesis was confirmed as true. This rate is not above our baseline rate. Our utilization of the product was approximately 100% during the trial period, and the infection rate did not go up.

Nurse satisfaction was very high related to this product. Nurses were asked to fill out questionnaires after using the product. Nine surveys were returned with the following questions and results: You are being asked to evaluate a silver dressing for vascular sites. The test product is Algidex Ag™ I.V. Dressing. After you have applied the Algidex Ag™, please rate it overall?

Excellent - 7      Very Good - 2

How would you rate Algidex Ag™ on the following:					
	Excellent	Very Good	Good	Poor	N/A
Ease of Product Application	5	3			1
Ability to Absorb Excess Moisture	4	2	2		1
Maintains Integrity of Peri-Catheter Skin	5	3			1
Protects the Catheter from External Contamination	4	3	2		
Length of Product Wear Time	3	2	1		3
Patient Comfort During Product Use	4	3	1		1
Ease of Dressing Removal	6		1		2

**Summary** Nurse satisfaction with the product was very high. The number of surveys returned was less than expected, however there was also constant oral feed-back from the nursing staff in these two units stating how much they "loved" the product. Compliance with the product went up to approximately 100% during the study in both units. Data from this 30 day product evaluation is not sufficient to compare to national or facility benchmarks. There were no patients with adverse reactions to the product.