2004 Supply Chain Scholarship Submission

Alegent Health

Cath Lab @ Bergan Mercy Medical Center Decreases Supply cost by $49,000 annually

Bergan Mercy at a glance…

- Founded in 1910, Bergan Mercy Medical Center (BMMC) is a 400-bed acute care hospital located in Omaha, Nebraska serving the eastern Nebraska and western Iowa area.
- It is one of nine acute care hospitals integrated into the Alegent Health system, which was organized in January 1996.
- The Bergan Heart and Vascular Institute performed more than 1200 invasive procedures in fiscal year 2003 and more than 5000 non-invasive procedures.

Aim

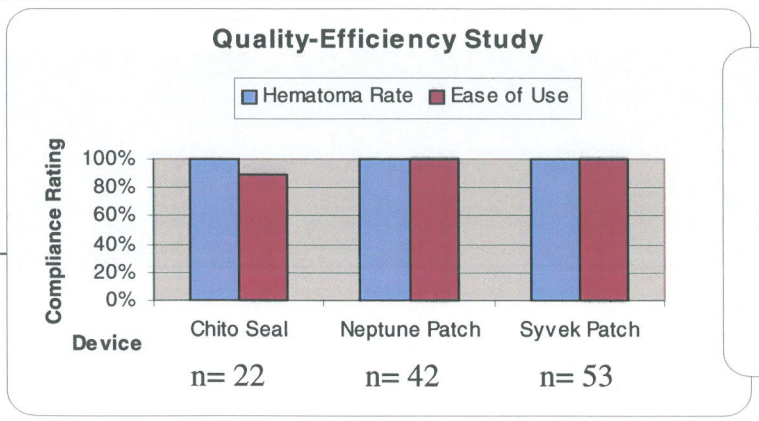
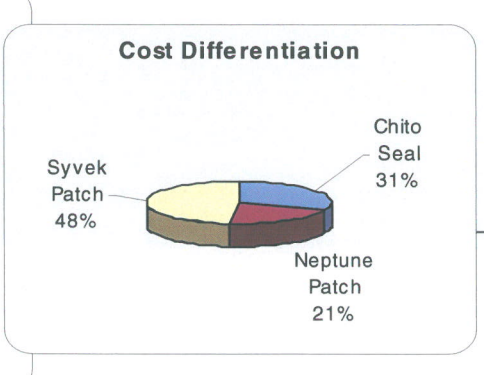
Conduct clinical evaluation of three post-heart catherization closure patch devices for the following:

- Quality – as evidenced by hematoma rate
- Efficiency – as evidenced by nursing staff feedback
- Cost – as evidenced by price of devices

Results (cost, quality, and efficiency)

The three products evaluated were:

- Syvek Patch
- Chito Seal
- Neptune Patch

Results:

A three-month concurrent study from November 2003 through February 2004 was conducted on 117 procedures. During the evaluation period outcomes between all three-closure devices had a less than 2% hematoma rate. Nursing feedback regarding the differences in each of the three patches revealed no clear front runner for efficiency and ease of use. All three were therefore evaluated to be equal in quality and efficiency. Since price was the only measure left to consider, the decision was made to use the Neptune closure device at BMMC.