Background
Northwest Community Hospital NICU obtained level III status in December 2010 and utilized their existing partnership with a tertiary children’s hospital to perform bedside surgeries.

Primary Objectives
Establish a team of professionals to collaborate on the process of performing PDA ligations at the bedside.

Development of Program
The Lead-Out Team consisting of NICU staff nurses and leadership collaborated with the tertiary hospital surgeons to identify the needs of the procedure. NICU nurses and OR nurses were cross-trained at the tertiary center and PDA ligations at the bedside were observed by both teams. Evidence-based policies were written. Communication with supporting departments outlined individual roles and needs.

Role of the Primary Nurse – PDA Ligation
In an effort to support family-centered care, the primary nurse provides continuity of care for the infant and family from admission to discharge.

Benefits of Bedside Surgery
- Decreased stress
- Increased safety
- Eliminates transfer of infant
- Continuity of care

PDA Ligation at the Bedside

Pre-Operative Care
Patent Ductus Arteriosus
Reviewed pre-operative practices and specific patient care for an infant with Patent Ductus Arteriosus

Post-Operative Care
PDA Ligation – Nursing Management
Presented information to the staff for the nursing management of the post-operative patient.

Evaluation
- Reassessment of original plan and strategies
- Feedback from tertiary center surgeons
- Feedback from multidisciplinary team and parents
- Outcome of initial surgery

Outcomes
- Positive participant feedback
- Enhanced family-centered care
- Successful surgical outcome

Bibliography