

# Evidence-Based Practice (EBP) - E190

## Oral Presentation

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### Abstract Title:

**Title: Strategies to Maximize Every Organ Donation Opportunity**

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### Background & Purpose:

Background: The 2010 organ donation conversion rate at our hospital was 50%. There are seven intensive care units (ICU) at the hospital; 31% of the donation potential is admitted to the Surgical Intensive Care Unit (SICU). The 2010 SICU conversion rate was 40%. The goal of 75% conversion rate by eliminating variability in the donation process in the SICU was identified. We hypothesized that cultivating an effective relationship between the Organ Procurement Organization (OPO), and physician, surgical residents, and nursing, would increase the conversion rate for the SICU and the hospital.

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### Study/Project Design:

Study Design: A retrospective observational study from January 1, 2010 to September 30, 2012.

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### Setting:

Setting: Single-institution, Academic, Level 1 trauma accredited urban hospital.

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### Sample:

Sample: Potential organ donation patients (29) pronounced brain dead or appearing brain dead.

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### Procedures:

Procedure: A concentrated multi-faceted approach was developed to decrease variability in the donation process. This included the SICU nurse manager commitment to sending 20 nurses to Donation Champion Learning Sessions (intensive continuing education programs conducted by the OPO), Explaining Brain Death training for surgical residents, SICU debriefings following every interaction for the purpose of discussing donation guidelines, case outcomes, family support, and medical management of the potential organ donor. We then compared the SICU conversion rate to the hospital rate for 2010, 2011 and 2012. Process measures of referral rate, timely referral, consent, and conversion rate were continually monitored and evaluated.

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### Findings/Results:

Results: The SICU conversion rate increased from 40% in 2010, 60% in 2011, and 78% in 2012 (as of September 30, 2012). All donation process metrics increased. SICU timely referral to OPO: 90% in 2010, 100% in 2011 and 2012, SICU effective referral: 89% in 2010, 90% in 2011, and 100% in 2012, consent for donation: 44% in 2010, 67% in 2011, and 78% in 2012. The hospital conversion rate fluctuated: 50% in 2010, 43% in 2011, and 48% in 2012. Hospital timely referral to OPO fluctuated: 84% in 2010, 86% in 2011, and 79% in 2012. Hospital effective referral: 86% in 2010, 88% in 2011, and 67% in 2012, and hospital consent for donation decreased: 57% in 2010, 56% in 2011, and 52% in 2012.

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### Discussion/Conclusions/Implications:

Discussion/Conclusions/Implications: Given the increased conversion rate and donation process metrics for the SICU, we plan on revising and implementing the educational process for all ICU's. This would include the Donation Champion Learning Sessions for nurses and expand the surgical resident training, Explaining Brain Death, to additional residency programs. Additional factors that would be included and concurrently monitored would be: debriefing for all potential and actual organ donation cases and overall compliance with the donation process metrics.