Using an Onsite Resource Guide to Reduce Organ Donor Case Times

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Introduction, Background, Aims

- 120K Donor Cases in US
- 16 hours > Nation 4 hours > Region
- No Specific Literature on Reducing Case Times
- Analyzed EBP Articles on Improving the Donor Process

1. Reduce Average Case Length in Hours
2. Improve Recovery Coordinator Confidence in Donor Process

Case-Timing Intervention

- OPO Goal to Reduce Organ Donor Case Times
- 16 hours > Nation 4 hours > Region
- Bedside RT
- Lead/Charge RT
- Charge RN
- Bedside RN
- OPO Coordinator

Printable, Customizable, Resource Guide
- Prioritization at Start of Case (Blood Draws, Medications, Orders, Diagnostics)
- Off and Allocation Plan

Sample and Location

- Sub-region of the OPO’s DSA
  - 12 Potential Hospitals
  - 18 Potential individual ICUs
- 3 Month Intervention Period
- 15 Donors
  - 5 DCD
  - 10 BD
- 20 + OPO Coordinators
  - 2-Months-10 Years Experience

Results, Conclusions, Sustainability

- Average Case Times Pre and Post Intervention
- Pre-Intervention (N= 19) Post-Intervention (N = 15)
- Mean Difference 6.49 hours P = 0.584

Comparison of Outcomes Pre vs Post Intervention

- OTPD 3.53 3.33 0.901
- O:E 0.913

- 400 Cases/Year
- -6.49 Hours/Case
- 2,596 Patient Hours
- 108 Hospital Days
- $4,000 x 108 Hospital Days
- $432,000 Savings/Year

Limitations

- Donor Sample Size
- Coordinator Sample Size
- Division of BD vs DCD Donors
- Xclamp Delays/En-Bloc Recoveries Times
- Hospital Factors (Staffing, Experience)
- Donor Stability/Organ Function

Recovery Coordinator Confidence

- Average Coordinator Confidence Level
- Survey Results
- Mean Difference 2.857 P = 0.207
- 6 Questions Anonymously via Qualtrics
- Confidence Level on Likert Scale 1-5

- Length of Time as a Coordinator
- Allocation Skills
- Ability to Answer Questions About the Donation Process
- Efficient Start-Up a Donor Case
- Resources Available
- OTPD

Continuous Improvement of Resource Guide

- Staff Education on Use of the Resource Guide
- Implementation of the Resource Guide Throughout the Entire DSA
- Staff Feedback on Resource Guide
- Continuing Education on Resource Guide Implementation