

Problem Definition

- The World Health Organization (WHO) guidelines state that the timeout component of the universal protocol must be performed after patient preparation and draping (P&D) and just prior to incision.
- A mock Joint Commission (JC) survey at our institution revealed that we performed the timeout prior to P&D of the patient, not afterwards, representing both a patient and regulatory risk.

Approach

- The multidisciplinary perioperative QI team at our free-standing, quaternary care, academic pediatric hospital led the development of a new timeout process.
- An enhanced pediatric universal protocol, which included a new component called the safety stop was created. The safety stop occurred just prior to P&D of the patient and the timeout was performed just prior to incision, aligning with WHO recommendations.
- After electronic correspondence and several perioperative leadership meetings, the enhanced pediatric universal protocol was initiated.

 Compliance audits were performed to demonstrate comprehensive adoption.

Safety Stop: A Valuable Addition to the Pediatric Universal Protocol

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WHO Universal Checklist

ST IS NOT INTENDED TO BE COMPREHENSIVE. ADDITIONS AND MODIFICATIONS TO FIT LOCAL PRACTICE ARE ENCOURAGE

YES, AND ADEQUATE INTRAVENOUS ACCESS AND FLUIDS PLANNED

Enhanced Pediatric Universal Protocol

IS ESSENTIAL IMAGING DISPLAYED

Sign In	Safety Stop	Time Out	Sign Out/Debrief
Where: Completed in PreOp	Where: Completed in the OR	Where: Completed in the OR	Where: Completed in the OR
Team Participating: Circulating OR RN- Initiates Preoperative RN Parents/Patients Anesthesia	Team Participating: Circulating OR RN - Initiates Anesthesia Surgical Attending or Fellow Surgical Scrub Person	Team Participating: Circulating OR RN - Initiates Surgical Attending or Fellow Anesthesiologist Surgical Scrub Person	Team Participating: Circulating OR RN - Initiates Surgical Attending or Fellow Anesthesia Surgical Scrub Person
When: Immediately prior to leaving	When: At 'anesthesia ready'. Prior to	When: Immediately prior to incision	When: At the end of procedure prior to
Pre-Op	regional block when applicable.		leaving the OR
EVERYONE MUST STOP & ACTIVELY PARTICIPATE			
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Results

- In 7 OR locations, 60 audits were completed in four weeks.
- 96% (58/60) demonstrated compliance with the new policy.
- During a subsequent JC visit, our enhanced pediatric universal protocol with inclusion of the safety stop was highlighted as a leading practice.

Key Insights

- Although initially we believed that moving the timeout from prior to P&D to just prior to incision would be a simple solution, flow mapping the complete timeout process identified significant risk of wrong site or wrong patient surgery with this solution.
- This risk was exacerbated by the small body size of pediatric patients being obscured by draping on a typical OR table.

Reference

1. WHO's patient-safety checklist for surgery. Lancet 2008; 372: 1.

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