

Supplemental Digital Content Table 1: Summary Table of Intraoperative Handoff Studies

	Methods	Results/Conclusions
Boat and Spaeth (2013) ¹	Implementation of standardized checklist using “plan-do-study-act” methodology for intraoperative handoffs and operating room to postanesthesia care unit handoffs in a pediatric hospital	<ul style="list-style-type: none"> - Compliance with intraoperative handoff checklist improved from 20% to 100% 2 months postintervention - Compliance with postanesthesia care unit handoff checklist improved from 59% to 90% over a 5-month period
Cooper, JB <i>et al</i> (1982) ²	Review of 1,089 reports of anesthesia-related preventable errors and failures	<ul style="list-style-type: none"> - 28 incidents in which anesthesia provider discovered and corrected error - 10 incidents linked anesthesia provider relief to error
Horn J <i>et al</i> (2004) ³	United Kingdom survey gathered the opinions of anesthesiologists on transitions of care during surgery	<ul style="list-style-type: none"> - Only 14% of senior anesthesiologists reported that their department had specific guidelines for intraoperative handoffs - No one reported existence of formal documentation of handoff
Jayaswal S <i>et al</i> (2011) ⁴	Survey of anesthesia providers about their satisfaction with existing intraoperative handoff practices	<ul style="list-style-type: none"> - Majority of survey participants reported dissatisfaction with current handoff process - Majority of survey participants suggested the use of EMR to aid in handoffs
Tan and Helsten (2013) ⁵	Introduction of an electronic anesthesia provider handoff checklist	<ul style="list-style-type: none"> - Informal feedback survey completed by anesthesia providers 1 yr later showed mostly positive feedback with some criticisms.

EMR = electronic medical record.

References:

1. Boat AC, Speath JP: Handoff checklists improve the reliability of patient handoffs in the operating room and postanesthesia care unit. *Paediatr Anaesth* 2013; 23:647-54
2. Cooper JB, Long CD, Newbower RS, Philip JH: Critical incidents associated with intraoperative exchanges of anesthesia personnel. *ANESTHESIOLOGY* 1982; 56:456-61
3. Horn J, Bell MD, Moss E: Handover of responsibility for the anaesthetised patient – opinion and practice. *Anaesthesia* 2004; 59:658-63
4. Jayaswal S, Berry L, Leopold R, Hart SR, Scuderi-Porter H, Digiovanni N, Phillips A: Evaluating safety of handoffs between anesthesia care providers. *Ochsner J* 2011; 11:99-101
5. Tan JA, Helsten D: Intraoperative handoffs. *Int Anesthesiol Clin* 2013; 51:31-42