

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

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

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