



QI Bundle for patient safety in Obstetric General Anaesthesia

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Background	Methods	Results	Discussion												
- Increased rates of difficult intubation, including failed intubation, airway complications and awareness¹ - Checklists and system-based approaches can facilitate improved outcomes by removing mental load from clinicians We have implemented a quality improvement bundle alongside an RSI checklist recommending: ☐ Ramped position ☐ BIS ☐ Low flow nasal oxygen (LFNO) ☐ Videolaryngoscopy (VL) use	- Data collected on all Obstetric GAs from January 2023 to September 2024 - Data was recorded by anaesthetists involved in the case for ramped position, BIS, LFNO, use of VL and successful intubations Local Clinical Governance team and Caldicott approval was granted	- Total of 548 Obstetric GA cases during study period - Intubation data available for 473/548 (86.3%) cases - All measured outcomes were >91% Successful 1st pass intubation was achieved in 96.2% of cases <table><tr><th>Ramped</th><th>BIS</th><th>LFNO</th><th>VL</th><th>RSI checklist</th><th>1st pass</th></tr><tr><td>96.6%</td><td>97.4%</td><td>91.0%</td><td>93.0%</td><td>93.6%</td><td>96.2%</td></tr></table>	Ramped	BIS	LFNO	VL	RSI checklist	1 st pass	96.6%	97.4%	91.0%	93.0%	93.6%	96.2%	- Obstetric GAs can be stressful and challenging – often performed by trainees out of hours - A consistent, systems-based approach can ensure that patients are kept safe We show that with the use of a QI bundle alongside an RSI checklist maintains a high rate of successful first pass intubations, with few failed or difficult intubations 1. Fourth National Audit Project of the Royal College of Anaesthetists and Difficult Airway Society. Major Complications of Airway management in the United Kingdom. Report and Findings. Editors Cook TM, Woodall N, Frerk C. Match 2011. Royal College of Anaesthetists, London.
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