

Push The Button - Paediatric TIVA in a DGH

Dr Bhavisha Shah

Department of Anaesthesia, Royal United Hospital, Bath

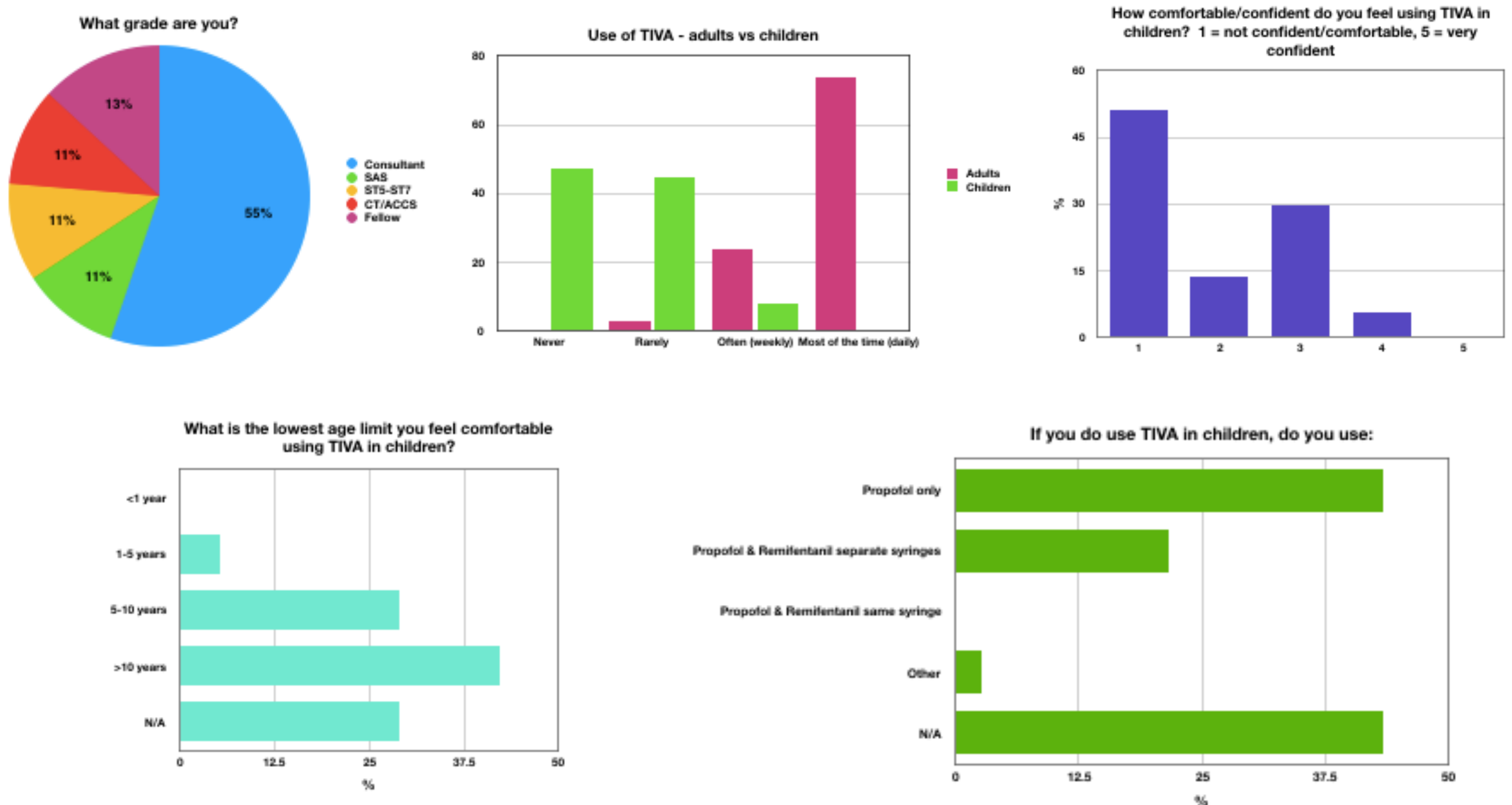
Background

The benefits of TIVA have become increasingly recognised in children, particularly for those at risk of laryngospasm, emergence delirium and PONV. There are also cost and efficiency benefits associated with TIVA.

At our institution TIVA is a widely practiced technique for anaesthesia in adults. But rarely in children due to lack of familiarity, experience and training.

We have BIS monitors and TIVA pumps in every theatre which are programmed with the Kataria paediatric TCI model.

A survey was carried out among anaesthetists in the department in their use of TIVA in children. There were 38 responses.



Strategy for change

- 100% of respondents would like more training and familiarity in paediatric TIVA.
- Carry out teaching sessions on paediatric TIVA.
- Hands on experience on 'TIVA lists' - Squints and ENT.
- Liaising with the Medical Equipment team to re-programme our pumps to add Paedfusor and mcg/kg/min to allow us to use Remifentanil in those children outside the Minto demographics.
- Incorporate into our regular 'Tea Trolley' teaching.

Lessons learnt & Message for others

TIVA in children is an extension of what is already widely practiced in our institution. Anaesthetists are motivated and keen to learn the technique.

Will take time for staff to familiarise themselves and build up confidence to comfortably use TIVA.

Simple measures can bring about a large change with reduced cost, increased efficiency, less patient complications and increased satisfaction, especially when the equipment is already available. Buy in required from colleagues - easy in this department! Being a TIVA heavy department it has cost nothing to begin to establish a paediatric TIVA service.

Reference