

# Guide for paediatric procedural sedation

## Nitrous oxide

### Pre-procedure

- Risk assessment
- Fasting
- Consent and parent information

### Patient and family

- Familiarise child and family with environment and equipment
- Attach oxygen saturation probe to the child

### Staff

#### Minimum staff requirements for nitrous oxide sedation



A clinician (doctor or nurse) credentialed to perform paediatric procedural sedation using nitrous oxide.



A clinician (doctor or nurse) to perform the procedure.

**D/N** = Doctor or Nurse

### Equipment

- Pulse oximetry
- Separate oxygen source, with mask (appropriate size)
- Bag-valve-mask (appropriate size)
- Suction with a Yankauer sucker attached
- N<sub>2</sub>O delivery circuit, with filter
- Scavenging system
- Scented essences for distraction therapy (such as chocolate or strawberry). Please note that this should be applied to the inside of the mask, not the filter.

### Nitrous oxide circuit

- Check that oxygen and N<sub>2</sub>O hoses are connected to the wall/tank outlets
- Check the gauges to ensure that there is an adequate supply of O<sub>2</sub> and N<sub>2</sub>O (if tanks are used)
- Check inspiratory/expiratory hoses are connected and the reservoir bag inflates with no leak
- Select the appropriate sized face mask, or mouth piece (for older children)
- Attach bacterial filter between inspiratory hose and face mask
- Ensure scavenging system is correctly attached to the expiratory hose and turned on

#### Check disposable nitrous delivery system to ensure connections are correct

For example:

Blue = inspiratory

Pink = expiratory

NB: Please ensure that all staff performing sedation are credentialed.