No to N₂O? Green E



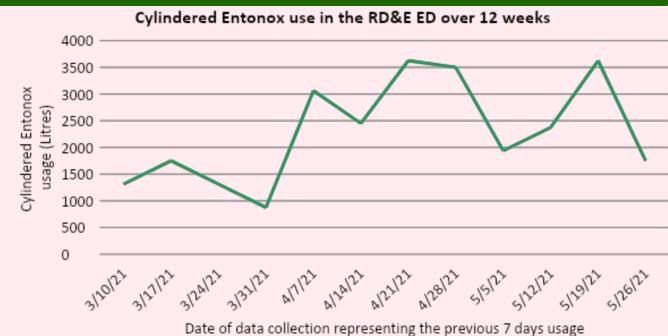
Reducing your use of Nitrous Oxide (N₂0) is one of the ways you can improve the environmental

impact of your day-to-day practice in the Emergency Department



- Entonox is a 50:50 pre-mixed cylinder of Nitrous Oxide (N₂O) and Oxygen (O₂)
- Nitrous oxide (N₂O) is harmful to the environment
- N₂O's global warming potential is 298 times that of carbon dioxide over 100 years
- N₂O is the leading cause of ozone-depletion from human activity

- In the RD&E Emergency Dept. we typically use 2000L Entonox every week*
 - *this excludes use of piped nitrous from the wall supply in Resus
- Every 1000L Entonox used is equivalent to driving 3750 miles in an average sized petrol
- Each year our usage of cylindered Entonox alone is equivalent to driving an average-sized car around the world 15.7 times



OK, so what are the alternatives?

Sedation

Early conventional analgesia

Cheap and available.

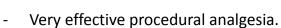
- Good adjunct, often forgotten.
- May not be enough on its own.

Methoxyflurane (aka Penthrox)

- Rapid onset, portable, efficacious analgesia.
- Low global warming potential, low ozone depletion potential, short environmental lifetime.
- Safe at low doses but can't be used more than twice each visit.
- More expensive.

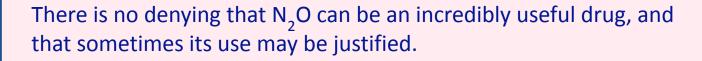
Regional anaesthesia

- E.g. Bier's block, anatomical landmark or US guided nerve blocks.
- Largely under utilised. An expanding area of practice with increasing availability of ultrasound?



- Requires resus space and additional
- competent practitioner.
- Can be time consuming.





But before you default to using it, please ask yourself:

'Can I say no to N₂O?'



