



Entonox – Pain control for acute pain

Your questions answered

Department of anaesthesia and pain medicine

What is Entonox

Entonox is a well-established pain-relieving gas mixture. It consists of two gases, 50% nitrous oxide and 50% oxygen. It is self-administered, giving you complete control over the timing of the pain relief.

How do I use Entonox?

Before the start of your procedure, your healthcare professional (HCP) will tell you how to use the Entonox equipment correctly. You have the choice of using either a facemask or a mouthpiece.

- If you choose a facemask, hold it over your mouth and nose, keeping an airtight seal. Breathe in and out normally.
- If you choose a mouthpiece, hold it between your teeth and close your lips around the mouthpiece. Breathe in and out through your mouth only.

Concentrate on breathing normally throughout the procedure. You can practise using the Entonox before the procedure starts.

When do I start using Entonox?

An HCP will advise you when to start using it. He or she will also supervise you when you are using the Entonox.

Before the procedure starts, breathe through the facemask or mouth piece, for up to two minutes, taking at least four breaths.

Continue to use the Entonox as you need it throughout the procedure.

If the use of Entonox is unsatisfactory at any stage, let the nurse or doctor know, so that they can look into your pain relief and consider alternatives.

How soon does Entonox take effect?

Entonox does not work immediately. It takes from twenty seconds to two minutes to reach full effect. It is important to continue using the Entonox as you need it throughout the procedure, and to breathe in and out normally.

Are there any side effects?

There are some possible side effects:

- Feeling light-headed whilst using Entonox
- nausea
- tiredness
- sometimes a dry mouth
- A tingling sensation, usually in the fingers. This is due to hyperventilation (over-breathing). Your healthcare professional will know when you are doing this and will remind you about your breathing. He or she will ask you to sigh out slowly, and this will automatically lead to rhythmical breathing.

How soon does Entonox wear off?

Entonox works only when you breathe in. Its effects wear off very quickly once you have stopped breathing it in, normally within about a minute. However, you should rest for about 30 minutes before you start to walk around again.

As a safety precaution, it is advisable not to drive or operate machinery for at least 30 minutes after using Entonox and you have been assessed by your HCP. After this time, you can start driving when you feel competent to do so.

Will I be able to use Entonox?

An HCP will assess you first. Entonox is normally available if you wish to use it, but it is not suitable for everyone.

However, you may prefer not to use Entonox at all. If so, your doctor or nurse will discuss other forms of pain relief with you, such as oral medication or injections.

If you have any further questions about Entonox, do not hesitate to ask.

Contacts

If you have any questions you may in the first instance ask the nurses and doctors on the ward. Further assistance may be obtained from the acute pain nurse. Phone the hospital switchboard on **0161 446 3000** pager **12051** or **12567**. If the pain nurse is not available, contact the critical care doctor on extension **3481**.

Contacts for the pain team

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If you need information in a different format, such as easy read, large print, BSL, braille, email, SMS text or other communication support, please tell your ward or clinic nurse.

We try to ensure that all our information given to patients is accurate, balanced and based on the most up-to-date scientific evidence. If you would like to have details about the sources used please contact **patient.information@christie.nhs.uk**

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The Christie Patient Information Service
May 2017 - Review May 2020

