

What is anaesthesia?

The word 'anaesthesia' means 'loss of sensation'.

- A general anaesthetic ensures that your child is unconscious and free of pain during a test (investigation) or operation
- General anaesthesia is a state of controlled unconsciousness and freedom from pain
- Anaesthetics are the drugs (gases and injections) that are used to start and maintain anaesthesia
- Anaesthetists are specialist doctors who are responsible for the wellbeing of your child throughout surgery

Anaesthetists are also closely involved with your child's pain relief after surgery.

Choice

It is often possible for you and your child to choose how the anaesthetic and other medicines are given. Sometimes there are medical reasons why things have to be done in a certain way – these will be explained to you.

Nothing will happen unless you understand and agree with what has been planned.

Your wishes and those of your child are very important.

We want to work with you to provide the best possible care for your child and family.

What can I do to prepare my child?

There are many things that you can do to prepare your child for coming into hospital.

All children (except infants too young to understand) should be told:

- That they are going into hospital
- That they will be having an operation or investigation
- Some basic information about what will happen to them when they are in hospital

Everything should be explained to your child in a way that he/she can understand. The wards have play staff who can give explanations and encourage discussion through play.

When should I start preparing my child?

Children between two and three years of age should be told two to three days before and again on the day of admission.

Children between four and seven years of age should be told four to seven days before the day of admission.

Older children will usually be involved in making decisions about the operation or investigation and discussion can take place a few weeks before the day of admission. If you would like to visit the ward before the day of the operation please telephone the ward to arrange this.

When will we be ready to go home?

Most children have their investigations or operations carried out as 'day stay' patients and go home on the same day. They may experience some pain or discomfort on the first day or so. It is good to be prepared by having pain relieving medication at home (e.g. Paracetamol and ibuprofen syrup).

Occasionally children may feel sick after they have left hospital, or even vomit. This sometimes happens in the car on the way home.

Sometimes children do not sleep well after a stay in hospital. Their behaviour might be a little bit more clingy or difficult than before. This is a normal reaction to a stay in hospital, and will usually return to normal within three to four weeks.

If you have any concerns about your child when you get home you should contact the hospital using the telephone number provided.

What are the side effects and complications?

In modern anaesthesia, serious problems are uncommon.

Risk cannot be removed completely, but modern equipment, training and drugs have made it a much safer procedure in recent years.

Most children recover quickly and are soon back to normal after their operation and anaesthetic. Some children may suffer side effects like sickness or a sore throat. These usually last only a short time and there are medicines available to treat them if necessary.

The exact likelihood of complications depends on your child's medical condition and on the nature of the surgery and anaesthesia your child needs. The anaesthetist can discuss this with you in detail at the pre-operative visit.

For a child in good health having minor surgery:

- 1 child in 10 (like one person in a large family) might experience a headache, sore throat, sickness or dizziness.
- 1 child in 100 (like one person in a street) might be mildly allergic to one of the drugs that has been given.
- 1 child in 20,000 (like one person in a small town) might develop a serious reaction (allergy) to the anaesthetic.

Throughout the whole of life, an individual is at least 100 times more likely to suffer serious injury or death in a road traffic accident than as a result of anaesthesia.

Questions you may like to ask the anaesthetist

- Who will give my child's anaesthetic?
- What type of anaesthetic do you recommend?
- Have you often used this type of anaesthetic?
- What are the risks of this type of anaesthetic?
- Does my child have any special risks?
- How will my child feel afterwards?

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YOUR CHILD'S GENERAL ANAESTHETIC

Useful organisations
Action for Sick Children
c/o National Children's Bureau
8 Wakley Street
London EC1V 7QE
Telephone: 020 7843 6444
Website: www.actionforsickchildren.org

This is a children's healthcare charity, specially formed to ensure that sick children always receive the highest standard of care. They have a series of information booklets specifically to help parents cope with, and prepare for, different aspects of children's healthcare.

For Further advice contact:

Sheffield Children's NHS Foundation Trust,
Main hospital number: 0114 271 7000



Patient Advice and Liaison Team
Sheffield Children's NHS Foundation Trust
Western Bank
Sheffield
S10 2TH

Tel: 0114 271 7594

Trust web site address: <http://www.sch.nhs.uk>



Will my child be given pain relief?

Pain relieving drugs are given during the anaesthetic to ensure that your child is as comfortable as possible after surgery. The type and strength of pain relief given will depend on the procedure.

You will have a chance to discuss and help plan the kind of pain relief (analgesia) your child will get after their operation.

How is pain relief given?

- **Syrups and tablets** – just like at home.
- **Melts** – medicines that ‘melt in your mouth’ – these are especially suitable for older children.
- **Suppositories** – some pain relieving medicines like paracetamol can be given rectally (into the bottom). These are often given while your child is anaesthetised and last for several hours. Suppositories are very helpful when children cannot take medicines by mouth or are feeling sick.
- **Local anaesthetics** – these are injected near the nerves around the operation site to numb the area. The injections are given while your child is anaesthetised and the pain relief lasts for several hours.
- **Strong pain relieving drugs** – such as morphine can be given in the following ways along with other drugs.

Some common terms used with medicines

- **IV – intravenous** – when drugs are given into a vein through a cannula.
- **IM – intramuscular** – when drugs are given by injection into the muscles of the bottom or upper arm.
- **S/C – subcutaneous** – when drugs are given just under the skin, either as a ‘one off’ or through a cannula
- **Infusion** – when drugs are administered continuously, usually by a special pump.
- **PCA – Patient Controlled Analgesia** – an infusion of pain relieving drugs controlled by a pump with a button which your child can push when extra doses are needed.
- **Epidural** – an injection or infusion of local anaesthetic around the spine – used after major surgery.
- **Caudal** – an injection of local anaesthetic near the nerves as they leave the spine, similar to an epidural, commonly used for surgery of the legs or lower abdomen.

What should I tell my child?

- Explain that the operation or investigation will help your child to get better.
- Use simple words your child understands.
- Do encourage your child to talk about the operation and ask questions. Books, games and stories can help.
- Tell your child about timing – when he or she will have the operation or investigation and how long their stay in hospital will be.

If your child will be staying in hospital overnight, let him or her know if you will be able to stay too. Most wards provide a folding bed next to your child’s bed. Some provide accommodation for parents away from the ward.

If it is not possible for you to stay with your child, it is important that you explain to him or her when you will be able to visit.

Your child can help pack his or her own bag and decide which nightclothes and toys to bring.

Please let us know in advance any special requirements your child has and we will do whatever we can to help.

Please phone the hospital if your child develops a cough or cold, or has contact with chicken pox shortly before the day of the operation or investigation.

What happens on the day of admission?

A pre-operative visit

An anaesthetist will visit you on the ward before the procedure to discuss your child’s anaesthetic. It is very important that you remain in the hospital to meet them.

The anaesthetist needs to find out about your child’s general health, previous experiences of anaesthesia, any medicines your child is taking and any allergies he or she might have. They will want to know if problems with anaesthetics run in the family.

This is a good time to talk about any previous experiences your child has had with injections or hospitals, or any particular concerns you have about this hospital visit.

You may find it helpful to make a list of questions you want to ask.

For practical reasons, the anaesthetist who comes to see you on the ward may not always be the same one who gives your child’s anaesthetic, but the information you give them will be passed on.

Why may the operation or investigation be delayed?

Occasionally the anaesthetist may learn something about your child that means it would be safer not to do the procedure on that day.

This could happen if your child has a bad cold, has a rash or has eaten food too recently.

Will I not be able to give anything to eat or drink? – (fasting, ‘Nil by mouth’)

The hospital should give you clear instructions about fasting. It is important for your child to follow these.

If there is food or liquid in your child’s stomach during the anaesthetic, it could come up into the back of the throat and damage his or her lungs.

Will Premedication be given?

Premedication (a premed) is the name for drugs which are sometimes given before an anaesthetic, although today they are given less often.

Some premeds help your child to relax, and some are related to the kind of surgery he or she will be having.

Not every child needs a premed. Depending on the kind of surgery and your child’s condition, you will often be able to help decide, with the anaesthetist, whether your child needs a premed or not.

If your child does need a premed, this will usually be given as a liquid. Very occasionally an injection is needed.

Premeds are given some time before the anaesthetic.

The drugs used can be:

- **Sedatives** to ease your child’s anxiety
- **Pain relieving** drugs such as paracetamol that can help at the end of the procedure
- **Medications to protect your child** from side effects of the anaesthetic (for example, nausea)
- **An extra dose of treatment** for illnesses like asthma

What is ‘Magic Cream’?

It is a local anaesthetic cream that can be put on the hand or arm before injections so that they do not hurt. It works well for nine out of ten children.

This cream is also called EMLA or Ametop.

What happens when going to theatre?

For some operations your child may be able to wear his or her own clothes to the operating theatre, but if not, the ward will provide a gown to wear.

Your child will be able to keep underwear on, to come to theatre.

Your child may travel to the anaesthetic room in a bed, on a trolley, walking or being carried.

Anaesthetic room – the room next to the operating theatre where anaesthetics are usually administered.

Operating theatre – the room where surgery is performed. If your child is very small, or is having certain kinds of surgery, it may be safer to give the anaesthetic in the operating theatre rather than in the anaesthetic room.

Post Anaesthetic Care Unit (PACU)

Recovery room – A place near the operating theatre where children go after surgery until the effects of the anaesthetic drugs wear off.

What happens in the anaesthetic room?

A nurse from the ward will accompany one parent to the anaesthetic room. Your child will be able to take a toy or comforter.

If you wish, you will usually be welcome to stay with your child until he or she is unconscious. However, there are a few circumstances when this will not be possible. It might be possible to give the anaesthetic while your child is sitting on your lap. Your child can either have an anaesthetic gas to breathe or an injection through a cannula.

Some children prefer gas and some prefer injections.

If both methods are safe for your child, you may be able to choose which is used.

Anaesthetic gases smell similar to felt-tip pens.

The anaesthetist generally cups a hand over the child’s nose and mouth or uses a face-mask to give the anaesthetic gas.

If the anaesthetic is given by gas, it will take a little while for your child to be anaesthetised. He or she may become restless as the gases take effect. This is normal.

If an injection is used, your child will normally become unconscious very quickly indeed. Some parents may find this frightening.

What is a cannula?

It is a thin plastic tube that is placed under the skin, usually on the back of the hand. A needle is used to put the cannula in, but is then immediately removed.

A cannula can be left in place for hours or days so that drugs and fluids can be given without the need for further injections. Sometimes blood samples can be taken through a cannula.

What happens next?

Your child will be taken into the operating theatre to have the operation or investigation.

The anaesthetist will monitor your child’s blood pressure, pulse, temperature and breathing closely throughout the procedure, ensuring that he or she is safe and fully unconscious. Anaesthetic gases and/or drugs given into a vein will be used to keep your child anaesthetised.

What happens after surgery?

Most children go to the Post Anaesthetic Care Unit.

Each child is cared for by a specialist nurse until he or she has regained consciousness and is comfortable enough to return to the ward. You can be with your child in the recovery room as he or she wakes up.

Some children may need to go to the Intensive Care Unit after their operation. This will be discussed with you beforehand if it is planned.