



**Wirral University
Teaching Hospital**
NHS Foundation Trust

E01 Upper GI Endoscopy

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You can get more information locally from the Endoscopy Unit (9am to 5pm) on 0151 604 7095

You can also contact:

You can get more information from www.aboutmyhealth.org

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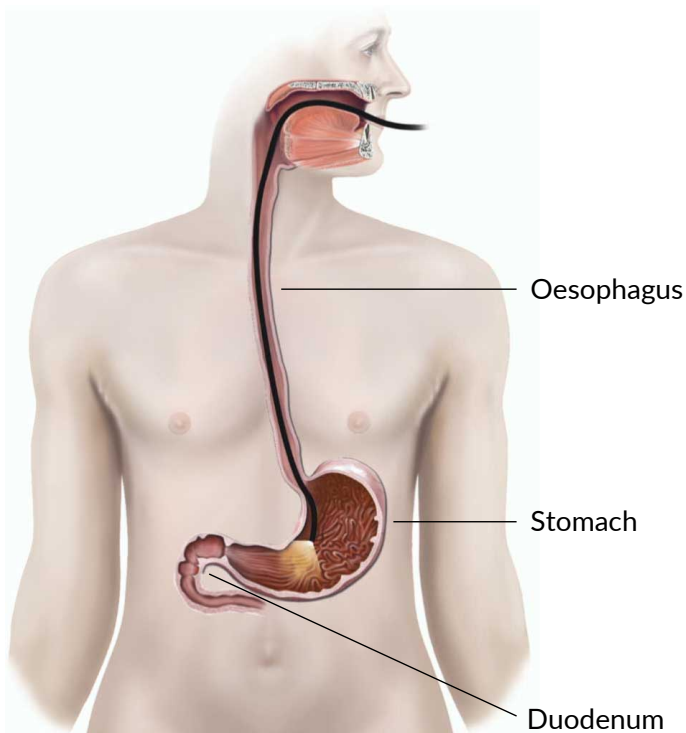
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UNITED KINGDOM

What is an upper GI endoscopy?

An upper gastrointestinal (GI) endoscopy is a procedure to look at the inside of your oesophagus (gullet), stomach and duodenum (beginning of your small bowel) using a flexible endoscope (camera). This procedure is sometimes known as a gastroscopy, OGD or simply an endoscopy.



An upper GI endoscopy

Shared decision making and informed consent

Your healthcare team have suggested an upper GI endoscopy. However, it is your decision to go ahead with the procedure or not. This document will give you information about the benefits and risks to help you make an informed decision.

Shared decision making happens when you decide on your treatment together with your healthcare team. Giving your 'informed consent' means choosing to go ahead with the procedure having understood the benefits, risks, alternatives and what will happen if you decide not to have it. If you have any questions that this document does not answer, it is important to ask your healthcare team.

Once all your questions have been answered and you feel ready to go ahead with the procedure, you will be asked to sign the informed consent form. This is the final step in the decision-making process. However, you can still change your mind at any point. You will be asked to confirm your consent on the day of the procedure.

What are the benefits?

An upper GI endoscopy is performed so that your healthcare team can find out why you are experiencing particular symptoms. The results will help them decide what treatment you may need.

Your symptoms may include:

- Feeling sick.
- Vomiting.
- Abdominal pain.
- Difficulty swallowing.
- Bloating.
- Diarrhoea.
- Unexplained weight loss.

Another reason for an upper GI endoscopy may be that you do not have symptoms, but you are anaemic (your body does not produce enough healthy red blood cells).

If the endoscopist (the person doing the procedure) finds a problem, they can perform biopsies (removing small pieces of tissue) to help make the diagnosis.

Are there any alternatives?

There are no other tests that are as good as an upper GI endoscopy to help diagnose the cause of the symptoms in your upper digestive system.

What will happen if I decide not to have the procedure or the procedure is delayed?

Your healthcare team may not be able to confirm what is causing your symptoms, and they may get worse. If they do, speak to your healthcare team.

If you decide not to have an upper GI endoscopy, you should discuss this carefully with your healthcare team.

Before the procedure

Medication

If you take warfarin, clopidogrel or other blood-thinning medication or are diabetic, let your healthcare team know at least 10 days before the procedure. If you are diabetic, you will need special advice depending on the treatment you receive for your diabetes.

Preparation

Do not eat anything in the 6 hours before your appointment, and only drink small sips of water. This is to make sure your stomach is empty so the endoscopist can have a clear view. It will also make the procedure more comfortable. You can continue to drink small sips of water up to 2 hours before the procedure.

When you arrive

The healthcare team will carry out a number of checks to make sure you have the procedure you came in for. You can help by confirming your name and the procedure you are having with the healthcare team.

What does the procedure involve?

An upper GI endoscopy usually takes about 10 minutes.

A cannula (thin, hollow tube) may be put in your arm or the back of your hand. This allows the endoscopist to give you medication during the procedure.

Some medications that may be used are:

- A throat spray with some local anaesthetic. This can taste unpleasant but helps to keep you comfortable during the procedure.
- A sedative that will help you feel comfortable. You will be conscious so if at any time you want the procedure to stop, raise your hand. The endoscopist will end the procedure as soon as it is safe to do so.

- Pain relief that will reduce the chance of you experiencing severe pain or discomfort during the procedure.
- Medication to relax your muscles (Buscopan). This will make the procedure more comfortable. Buscopan can affect the pressure in your eyes so let the healthcare team know if you have glaucoma.

You will be asked to remove any false teeth or plates. The endoscopist will ask you to lie on your left side and a plastic mouthpiece will be placed in your mouth. This will keep your mouth open and stop you biting the endoscope.

The healthcare team will monitor your oxygen levels and heart rate using a finger or ear clip. If you need oxygen, they will give it to you through a small tube under your nostrils.

The endoscopist will place an endoscope into the back of your throat. They may ask you to swallow when the endoscope is in your throat. This will help it to pass easily into your oesophagus and down into your stomach. From here the endoscope will pass into your duodenum.

You may feel some discomfort during the procedure and your stomach may feel bloated because air is blown into it to help the endoscopist have a clear view. The endoscopist will be able to look for problems such as inflammation or ulcers and perform biopsies. Biopsies are taken using tiny forceps that are passed through the endoscope.

Photographs and videos may be taken during the procedure. These may help with your treatment and are stored securely by your healthcare team and discussed with other healthcare professionals.

If at any time you want the procedure to stop, raise your hand to let the endoscopist know. They will end the procedure as soon as it is safe to do so.

Can I be sent to sleep for the procedure?

In rare cases the procedure can be performed with you asleep under a general anaesthetic or deep sedation. However, most centres do not offer this. If this an option for you, the healthcare team will talk to you about this before your procedure date.

General anaesthetic is given through the cannula, or as a mixture of anaesthetic gas that you breathe through a tube that passes into your airways. This means you will be unaware of the procedure.

A general anaesthetic has a higher risk of complications than other forms of medication. The healthcare team can give you more information about these. You may also need to wait longer for your procedure.

Most patients manage well without a general anaesthetic.

What complications can happen?

The healthcare team are trained to reduce the risk of complications.

Any risk rates given are taken from studies of people who have had this procedure. Your healthcare team may be able to tell you if the risk of a complication is higher or lower for you.

Possible complications of this procedure are shown below from most to least likely to happen. Some can be serious. Rarely, you may need to come back into hospital for more treatment, including surgery.

You should ask your healthcare team if there is anything you do not understand.

Complications of an upper GI endoscopy

- Sore throat. This gets better quickly.
- Damage to teeth or bridgework. A member of your healthcare team will place a plastic mouthpiece in your mouth to help protect your teeth. Let your healthcare team know if you have any loose teeth.
- Incomplete procedure caused by a technical difficulty, food or blockage in your upper digestive system, complications during the procedure or discomfort.
- Missed diagnosis. There is a small chance that significant findings may be missed during the procedure. The risk is higher if your stomach is not completely empty, or it cannot keep hold of the air that was blown into it.
- Breathing difficulties or heart irregularities, as a result of reacting to the sedative or inhaling secretions such as saliva. To help

prevent this, your oxygen levels will be monitored, and a suction device will be used to clear any secretions from your mouth.

- Blurred vision if you are given a Buscopan injection. This usually gets better after about an hour. Sometimes the injection can affect the pressure inside your eye. This is more likely if you have a rare type of glaucoma. If your vision becomes blurred and your eye becomes red and painful, let the endoscopist or your healthcare team know straight away.
- Allergic reaction to the equipment or medication. The healthcare team are trained to detect and treat any reactions that may happen. Let the endoscopist know if you have any allergies or if you have reacted to any medication or tests in the past.
- Infection. It is possible to get an infection from the equipment used, or if bacteria enter your blood. The equipment is disinfected before the procedure, so the risk is low. Let your healthcare team know if you get a high temperature or feel unwell.
- Making a hole in your gullet (oesophagus), stomach or part of your small intestine (duodenum) (risk: 1 in 2,000). The risk is higher if there is an abnormal narrowing (stricture) which is stretched (dilated). You will need to be admitted to hospital for further treatment which may include surgery.
- Heavy bleeding from a biopsy site or from minor damage caused by the endoscope. This usually stops on its own.
- Rarely, a heart attack (where part of the heart muscle dies) or stroke (loss of brain function resulting from an interruption of the blood supply to your brain) can happen if you have serious medical problems.
- Death. This is rare (risk: 1 in 25,000).

What happens after the procedure?

After the procedure, you will be transferred to the recovery area where you can rest.

If you were not given a sedative, you should be able to go home after a member of the healthcare team has spoken to you and decided you are ready.

If you were given a sedative, you usually recover in about an hour. However, this depends on how much sedative you were given. Once you can swallow properly you will be given a drink. You may feel a bit bloated for a few hours, but this will pass.

The healthcare team will tell you the results of the procedure and talk to you about any treatment or follow-up care you may need. Results from biopsies will not be available until a later date so the healthcare team will write to you, call you or ask you to come back to the clinic to give you the results.

Before you leave, you will be given a discharge advice sheet and a copy of your endoscopy report. The advice sheet will explain who to contact if you have any problems after your procedure. A copy of the report will be sent to your GP and doctor.

If you had sedation:

- If you go home the same day, a responsible adult should take you home in a car or taxi. They should stay with you for at least 24 hours unless your healthcare team tells you otherwise.
- You should be near a telephone in case of an emergency.
- Do not drive, operate machinery or do any potentially dangerous activities (this includes cooking) for at least 24 hours and not until you have fully recovered feeling, movement and co-ordination.
- Do not sign legal documents or drink alcohol for at least 24 hours.

You should be able to return to work the next day unless you are told otherwise.

Once at home, if you experience symptoms that are causing concern, contact the endoscopy unit, your GP or call 111. If you have serious symptoms, like severe pain or heavy bleeding, go to your nearest emergency department straight away.

Summary

An upper GI endoscopy is usually a safe and effective way of finding out if there is a problem

with the upper part of your digestive system. However, complications can happen. Being aware of them will help you make an informed decision about surgery. This will also help you and the healthcare team to identify and treat any problems early.

Keep this information document. Use it to help you if you need to talk to the healthcare team.

Some information, such as risk and complication statistics, is taken from global studies and/or databases. Please ask your surgeon or doctor for more information about the risks that are specific to you, and they may be able to tell you about any other suitable treatments options.

This document is intended for information purposes only and should not replace advice that your relevant healthcare team would give you.

Acknowledgements

Reviewer

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Illustrator

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