

## E03 Colonoscopy

### What is a colonoscopy?

A colonoscopy is a procedure to look at the inside of the large bowel (colon) using a flexible telescope (see figure 1).

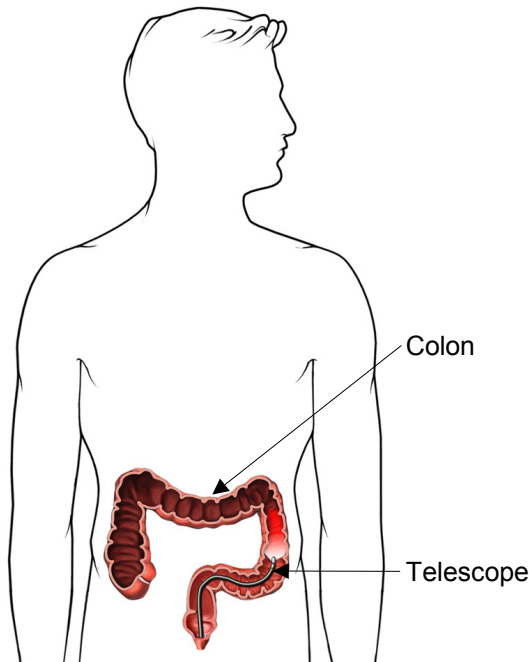


Figure 1

Colonoscopy

Your doctor has recommended a colonoscopy. 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.

If you have any questions that this document does not answer, you should ask your doctor or any member of the endoscopy team.

### Why do I need a colonoscopy?

Your doctor is concerned that you may have a problem in the large bowel. A colonoscopy is a good way of finding out if there is a problem or not.

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

Sometimes a polyp (small growth) is the cause of the problem and the endoscopist may be able to remove it during the procedure.

### Are there any alternatives to a colonoscopy?

A colonoscopy is recommended as it is the best way of diagnosing most problems with the large bowel.

Other options include a barium enema (an x-ray test of the large bowel) or a CT colography (a special scan of the large bowel). However, if your doctor finds a problem, you may still need a colonoscopy to treat the problem or perform biopsies.

### What will happen if I decide not to have a colonoscopy?

Your doctor may not be able to confirm the cause of the problem.

If you decide not to have a colonoscopy, you should discuss this carefully with your doctor.

## What does the procedure involve?

### • Before the procedure

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 to your endoscopist and the healthcare team your name and the procedure you are having.

A member of the endoscopy team will ask you to sign the consent form once you have read this document and they have answered your questions.

If you take iron tablets, you should stop taking them at least a week before the procedure.

You will need to follow a special diet and you will be given some laxatives to take the day before the procedure. This is to make sure your bowel is empty so the endoscopist can have a clear view. Follow the instructions carefully. If you have diabetes, you will need special advice depending on the treatment you receive for your diabetes. Let a member of the endoscopy team know as soon as possible if you have diabetes.

If you get severe abdominal pain, let the endoscopy department or your doctor know.

The procedure may involve injecting you with a drug called Buscopan to relax your bowel and make the procedure more comfortable. Buscopan can affect the pressure in your eyes, so let your doctor know if you suffer from glaucoma.

### • In the endoscopy room

If appropriate, the endoscopist may offer you a sedative or painkiller which they can give you through a small needle in your arm or the back of your hand.

The endoscopist will ask you to lie down on your left side in a comfortable position.

A member of the endoscopy team will monitor your oxygen levels and heart rate using a finger clip. If you need oxygen, they will give it to you through a mask or small tube placed in your nose.

### • The procedure

A colonoscopy usually takes between half an hour and three-quarters of an hour. The procedure involves placing a flexible telescope into the back passage and blowing some air into the large bowel to get a clear view. The endoscopist will be able to look for problems such as inflammation or polyps. They will be able to perform biopsies and take photographs to help make the diagnosis. If they find a polyp, it may be possible to remove it during the procedure.

### What complications can happen?

The healthcare team will try to make your procedure as safe as possible. However, complications can happen. Some of these can be serious and can even cause death (risk: 1 in 15,000).

The possible complications of a colonoscopy are listed below. Any numbers which relate to risk are from studies of people who have had this procedure. Your doctor may be able to tell you if the risk of a complication is higher or lower for you.

- **Allergic reaction** to the equipment, materials or drugs. The endoscopy team is trained to detect and treat any reactions that might happen. Let the endoscopist know if you have any allergies or if you have reacted to any drugs or tests in the past.

- **Breathing difficulties or heart irregularities**, as a result of reacting to the sedation or the bowel being stretched. To help prevent this from happening, your oxygen levels and heart rate will be monitored.

- **Making a hole in the colon** (risk: less than 2 in 1,000). The risk is higher if a polyp is removed. This is a serious complication. You may need surgery which can involve forming a stoma (bowel opening onto the skin).

- **Bleeding from a biopsy site or from minor damage** caused by the endoscope (risk: less than 1 in 1,000). This usually stops on its own.

- **Bleeding, if a polyp is removed** (risk: 2 in 100). Bleeding usually stops soon after a polyp is removed. Sometimes bleeding can happen up to two weeks after the procedure. Let the endoscopist know if you are on warfarin, clopidogrel or other blood-thinning drugs. If you are on warfarin or clopidogrel and have a polyp, the endoscopist will not usually remove it.

- **Incomplete procedure.** This can happen due to a technical difficulty, blockage in the large bowel, complications during the procedure, or discomfort. Your doctor may recommend another colonoscopy or a different test such as a barium enema.

You should discuss these possible complications with your doctor if there is anything you do not understand.

### **How soon will I recover?**

After the procedure you will be transferred to the recovery area where you can rest and have a drink. If you were not given a sedative, you should then be able to go straight home.

If you were given a sedative, you will normally recover in about two hours. However, this depends on how much sedation you were given. You may feel a bit bloated for a few hours but this will pass.

If you were given a sedative, a responsible adult should take you home in a car or taxi and stay with you for at least 24 hours. You should be near a telephone in case of an emergency. You should not drive, operate machinery (this includes cooking) or do any potentially dangerous activities for at least 24 hours and not until you have fully recovered feeling, movement and co-ordination. You should also not sign legal documents or drink alcohol for at least 24 hours.

A member of the team will tell you what was found during the colonoscopy and will discuss with you any treatment or follow-up you need. Results from biopsies will not be available for a few days so they may ask you to come back to the clinic for these results.

Once at home, if you get pain in your abdomen, significant or continued bleeding from your back passage, or a high temperature, contact the endoscopy unit or your GP. If your symptoms are severe, go to your nearest Accident and Emergency department or call an ambulance.

You should be able to go back to work the day after the colonoscopy unless you are told otherwise.

### **• Lifestyle changes**

If you smoke, try to stop smoking now. Stopping smoking will improve your long-term health.

For help and advice on stopping smoking, go to [www.smokefree.nhs.uk](http://www.smokefree.nhs.uk).

You have a higher chance of developing complications if you are overweight.

For advice on maintaining a healthy weight, go to [www.eatwell.gov.uk](http://www.eatwell.gov.uk).

### **• Exercise**

Regular exercise can reduce the risk of heart disease and other medical conditions, improve how your lungs work, boost your immune system, help you to control your weight and improve your mood. Exercise should improve your long-term health.

For information on how exercise can help you, go to [www.eidoactive.co.uk](http://www.eidoactive.co.uk).

Before you start exercising, you should ask a member of the healthcare team or your GP for advice.

### **Summary**

A colonoscopy is usually a safe and effective way of finding out if you have a problem with your large bowel. However, complications can happen. You need to know about them to help you make an informed decision about the procedure. Knowing about them will also help to detect and treat any problems early.

## Further information

- NHS smoking helpline on 0800 022 4332 and at [www.smokefree.nhs.uk](http://www.smokefree.nhs.uk)
- [www.eatwell.gov.uk](http://www.eatwell.gov.uk) – for advice on maintaining a healthy weight
- [www.eidoactive.co.uk](http://www.eidoactive.co.uk) – for information on how exercise can help you
- [www.aboutmyhealth.org](http://www.aboutmyhealth.org) – for support and information you can trust
- British Society of Gastroenterology at [www.bsg.org.uk](http://www.bsg.org.uk)
- Digestive Disorders Foundation at [www.digestivedisorders.org.uk](http://www.digestivedisorders.org.uk)
- NHS Direct on 0845 46 47 (0845 606 46 47 – textphone)

## Acknowledgements

Author: Mr Simon Parsons DM FRCS (Gen. Surg.)  
Illustrations: Medical Illustration Copyright © 2009  
Nucleus Medical Art. All rights reserved.  
[www.nucleusinc.com](http://www.nucleusinc.com)

## Tell us how useful you found this document at [www.patientfeedback.org](http://www.patientfeedback.org)

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

E03

Issued November 2009

Expires end of December 2010



[www.rcsed.ac.uk](http://www.rcsed.ac.uk)



[www.asgbi.org.uk](http://www.asgbi.org.uk)

