

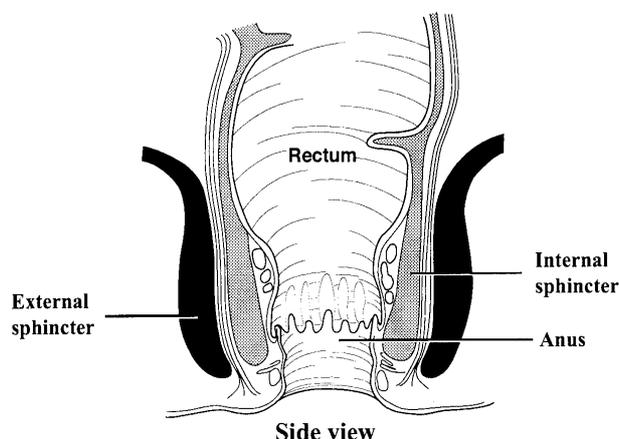
## Sphincter Exercises to Aid Bowel Control

### Introduction

Sphincter exercises can help you to improve your bowel control. When done correctly, these exercises can build up and strengthen the muscles to help you hold both gas and stool in the back passage.

### Where are these muscles?

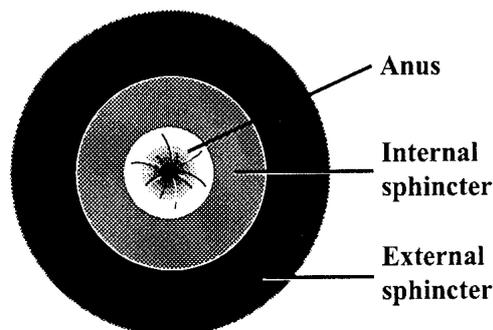
The back passage, or anus, has two rings of muscle around it (see figures 1 and 2). The inner ring is the internal sphincter, an involuntary muscle, which should be closed at all times, except when you are actually trying to open your bowels. This is normally automatic, you don't have to think about doing it.



**Figure 1**

The outer ring of muscle is the external sphincter, which is a voluntary muscle which you can tighten up to close it more firmly if you have urgency or diarrhoea.

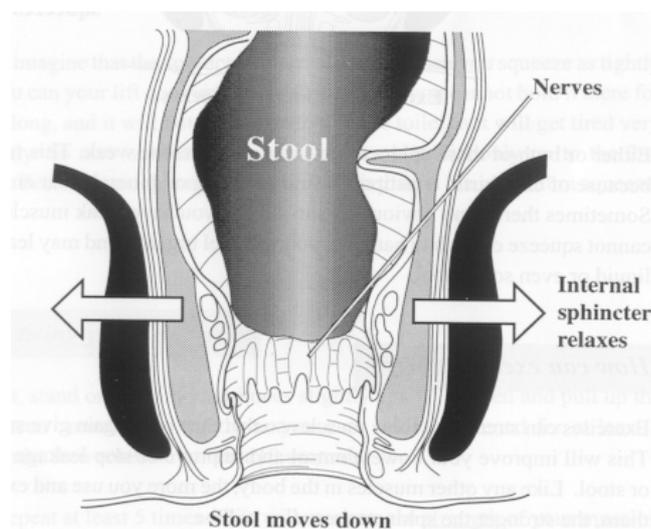
Both muscles wrap right around the anus. When a stool comes into the rectum the internal sphincter relaxes and allows the stool to enter the top part of the anus. (See Figure 3). Very sensitive nerves in the anal canal can tell you if it gas or stool waiting to come out. If it is stool, you squeeze your external sphincter to stop it from coming straight out. This squeezing moves the stool back into the rectum, where it waits until you get to the toilet. (See Figure 4).



**View from below**

**Figure 2**

Either or both of these sphincter muscles can become weak. This may be because of childbirth, constipation and straining or general wear and tear. Sometimes there is no obvious reason why. If you have weak muscles and cannot squeeze enough to hang on, you will feel urgency and may leak gas, liquid or even solid stool.



**Figure 3**

### How can exercises help?

Exercises can strengthen these muscles so that they once again give support. This will improve your bowel control and improve or stop leakage of gas or stool. Like any other muscles in the body, the more you use and exercise them, the stronger the sphincter muscles will be.

## Learning to do the exercises

It is important to learn to do the exercises in the right way, and to check from time to time that you are still doing them correctly.

Sit comfortably with your knees slightly apart. Now imagine that you are trying to stop yourself passing wind from the bowel. To do this you must squeeze the muscle around the back passage. Try squeezing and lifting that muscle as tightly as you can, as if you are really worried that you are about to leak. You should be able to feel the muscle move. Your buttocks, tummy and legs should not move much at all. You should be aware of the skin around the back passage tightening and being pulled up and away from your chair. Really try to feel this. You are now exercising your anal sphincter. You should not need to hold your breath when you tighten the muscles.

Now imagine that the sphincter muscle is a lift. When you squeeze as tightly as you can your lift goes up to the 4th floor. But you cannot hold it there for very long, and it will not get you safely to the toilet as it will get tired very quickly. So now squeeze more gently, take your lift only up to the 2nd floor. Feel how much longer you can hold it than at the maximum squeeze.

## Practicing Your Exercises

1. Sit, stand or lie with your knees slightly apart. Tighten and pull up the sphincter muscles as tightly as you can. Hold tightened for at least 5 seconds, then relax for at least 10 seconds.

Repeat at least 5 times. This will work on the *strength* of your muscles.

2. Next, pull the muscles up to about half of their maximum squeeze. See how long you can hold this for. Then relax for at least 10 seconds.

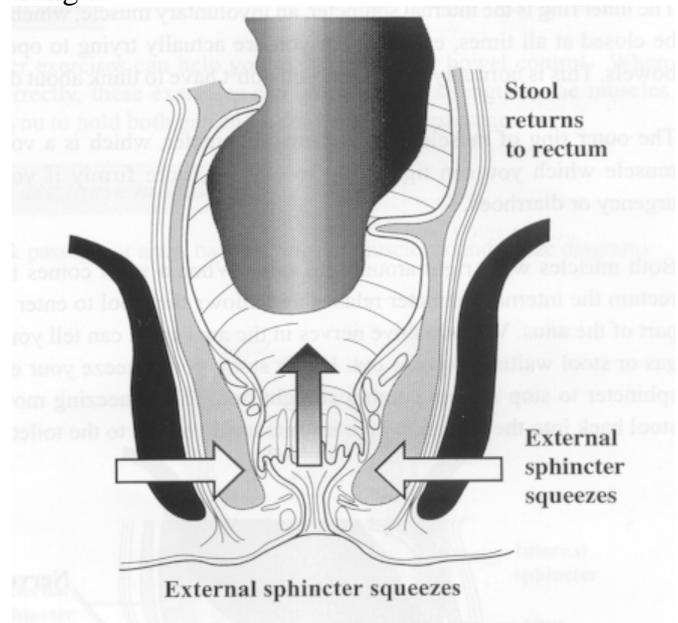
Repeat at least 5 times. This will work on the endurance or staying power of your muscles.

3. Pull up the muscles as quickly and tightly as you can and then relax and then pull up again, and see how many times you can do this before you get tired. Try for at least 5 quick pull-ups.

4. Do these exercises - 5 as hard as you can, 5 as long as you can and as many quick pull-ups as you can - at least 10 times every day.

5. As the muscles get stronger, you will find that you can hold for longer than 5 seconds, and that you can do more pull-ups each time without the muscle getting tired.

6. It takes time for exercise to make muscle stronger. You may need to exercise regularly for several months before the muscles gain their full strength.



**Figure 4**

## Tips to help you

1. At first it is probably a good idea to set aside some time for these exercises and really concentrate on getting them right. But quite soon they should become easy to do wherever you are. Nobody need know at you are doing!

2. Get into the habit of doing your exercises with things you do regularly; very time you touch water if you are a housewife, every time you answer the phone if you are at the office whatever you do often.

3. If you are unsure that you are exercising the right muscle, put a finger on the anus as you squeeze to check. You should feel a gentle lift and squeeze if you are exercising the right muscle. Or look at the area in a mirror - you should see the anus pucker up as you squeeze it.

4. Use your muscles when you need them - pull up the muscles if you feel urgency and that you are about to leak. But remember that you cannot hold your tightest squeeze for very long, so you are better to use a gentle squeeze that you can hold for longer. Your control will gradually improve.

5. Watch your weight - extra weight puts extra strain on your muscles.

6. Once you have regained control of your bowel, don't forget your exercises. Continue to do them a few times each day to ensure that the problem does not come back.

Do your exercises regularly. Have faith in them. You should begin to see good results in a few weeks.

*Do you have any questions?*

This information sheet is designed to teach you how to exercise your anal sphincter to improve your bowel control. If you have problems doing the exercises, or if you don't understand any part of this information sheet, phone the Continence Foundation Helpline or ask your doctor, nurse or physiotherapist for help.

### **Further Reading**

Bowel Control: Information and Practical Advice by Christine Norton and Dr Michael Kamm (1999: Beaconsfield Books). *Available through the Continence Foundation - address below - £6.50 incl. p&p.*

Constipation: Let's Get Things Moving by Pauline Chiarelli and Sue Markwell (revised 2003: Neen Healthbooks, Dereham, Norfolk). *Available through the Continence Foundation - address below - £5.50 incl. p&p.*

### **FURTHER HELP**

Your own doctor or local continence advisor (details from the Continence Foundation Helpline or see the website - see below ) can give advice.

### **The Continence Foundation**

307 Hatton Square, 16 Baldwins Gardens  
London EC1N 7RJ

Tel: 020 7404 6875, Fax: 020 7404 6876

*The Foundation has a range of literature that may be of help - send an s.a.e. asking for a free copy of the publications list.*

Helpline: 0845 345 0165

Monday - Friday 9.30am - 1.00pm

*The Helpline nurses offer confidential advice and information on the causes and treatment of incontinence and on products that can help manage it. They can also tell you where to find your local continence advisor (specialist nurse) or check the website.*

### **Digestive Disorders Foundation**

3 St Andrew's Place  
London NW1 4LB  
020 7486 0341

*The DDF has a range of helpful leaflets on bowel disorders.*

### **Incontact**

United House  
North Road  
London N7 9DP  
Tel: 0870 770 3246  
Fax: 0870 770 3249

*A support organisation for people with continence problems.*

For detailed information on bowel control problem see their website on [www.bowelcontrol.org.uk](http://www.bowelcontrol.org.uk).

*Factsheet adapted by permission from a leaflet prepared by St Mark's Hospital, Harrow.*



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