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Division of Women, Children & Sexual Health

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Pelvic Floor Exercises: a guide for women

Patient information leaflet

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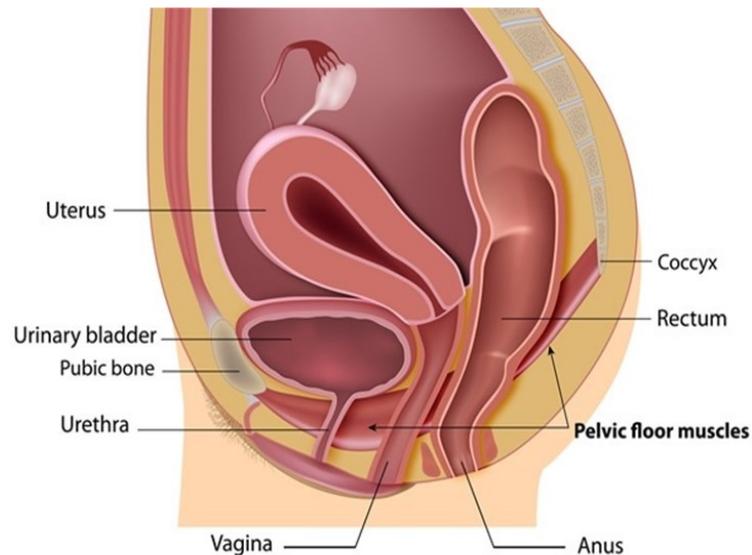
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Pelvic floor exercises: a guide for women

This leaflet explains what pelvic floor exercises are and why you should be performing them. If you have any questions, please ask a member of staff caring for you.

What is the pelvic floor?

The pelvic floor is composed of a thin sheet of muscle fibres and associated connective tissue which spans the area underneath the pelvis between the pubic bone at the front and the sacrum or coccyx at the back (see illustration below).



What do the pelvic floor muscles do?

The pelvic floor muscles contract when you cough, sneeze or strain, and help to:

- Prevent the involuntary leakage of urine
- Support the organs in your abdomen especially when you are standing
- protect the pelvic organs from external damage
- hold the pelvic organs, like the bladder in the correct position

We continually strive to improve the quality of information given to patients. If you have any comments or suggestions regarding this information booklet, please contact:

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- control of passing of urine, gas and bowel motions
- play a role in sexual function during intercourse

For the pelvic floor muscles to carry out their function well, they need to be fit and adequately toned just like any other muscle in the body.

What if my pelvic floor muscles are weak?

- A weakness of the pelvic floor muscles may cause or worsen a number of problems including:
- Stress urinary incontinence. The complaint of involuntary loss of urine on effort or physical exertion, including sporting activities etc. or on sneezing or coughing.
- Urge urinary incontinence. The complaint of involuntary loss of urine associated with a sudden urgent need to pass urine
- Mixed urgency and stress incontinence. The complaint of involuntary loss of urine associated with urgency and also with effort or physical exertion, or on sneezing or coughing.
- Pelvic Organ Prolapse. Leading to a bulging of the bladder or bowel, or uterus (womb) into the vagina or out of the vaginal entrance if more severe.
- A loss in sexual sensation, or feeling of vaginal looseness.

What causes pelvic floor muscle weakness?

- Under use / lack of exercise. Like all muscles, the pelvic floor muscles need exercise to work well. Regular and adequate intensive exercise of the pelvic floor muscles should be maintained all through life (not just after having children) and is therefore very important.
- Damage to the muscles during pregnancy and childbirth.
- The change in hormones associated with menopause may contribute in weakening the muscles (but is still debatable)

- Decreased muscle tone with aging
- Damage to the muscles through long term straining when constipated or associated with a chronic cough or obesity

The role of pelvic floor exercises

Intensive and regular pelvic floor exercises help by both strengthening and relaxing the pelvic floor muscles so they become firm and supportive, but not overactive. Many women will have a major improvement in or recovery from symptoms of stress urinary incontinence by learning effective pelvic floor exercises, thus avoiding or delaying the need for surgery.

How to exercise your pelvic floor muscles

It is important to learn to do the exercises correctly, and to check from time to time that you are still doing them in the right way. Your physiotherapist can help you to understand this by using diagrams, drawings and models.

Sit comfortably with your feet and knees wide apart. Lean forward and place your elbows on your knees. Remember to keep breathing throughout and keep your stomach, leg and buttock muscles relaxed.

Imagine that you are trying to stop yourself passing gas from the bowel and at the same time trying to stop the flow of urine from the bladder. You should feel a lifting and tightening around the vagina and anus.

Observing the muscles can be an effective way of checking they are working correctly. Lie propped on the bed; place a small mirror between your legs with your knees bent and apart. As you pull up the pelvic floor you should see your anus and entrance to the vagina lifting and drawing in.

N.B. If you notice the entrance to the vagina widening, you are pushing down and not pulling up, which is the opposite to tightening the pelvic floor muscle. Also, if you leak urine or pass gas when doing the exercises it is likely you are pushing down not pulling up.

Useful Contact Numbers

Stoke Mandeville Hospital
Consultant Gynaecologists 01296 316239/6548

Wycombe Hospital
Consultant Gynaecologists 01494 425009/425724

For more information

Bladder and Bowel Foundation

7 The Court
Holywell Business Park
Northfield Road
Southam CV47 0FS
Phone: 01926 357220 | Website – www.iuga.org.uk

IUGA Bladder Training guide

<https://www.yourpelvicfloor.org/media/bladder-training-english.pdf>

NHS Squeezy app

<https://squeezy-nhs-pelvic-floor-app.soft112.com/>

References

- International Urogynaecological Association (IUGA) 2011
- NICE, Quality standard (QS77), January 2015
- The British Association of Urological Surgeons (BAUS), June 2017
- The Cochrane collaboration
- Textbook of Female Urology and Urogynecology, 3rd ed. 2010
- Bladder and bowel community.org.

Points to remember

- Weak pelvic muscles often cause bladder control problems
- Daily intensive exercises can strengthen pelvic muscles and improve bladder control
- Ask your physiotherapist whether you are squeezing the right muscles
- Always tighten and contract your pelvic muscles before coughing, sneezing, jumping or lifting. This can help prevent involuntary loss of urine, gas or stool or bulging down of your pelvic organs
- Try to maintain your weight within healthy limits

Note: The information contained in this brochure is intended to be used for educational purposes only. It is not intended to be used for the diagnosis or treatment of any specific medical condition, which should only be done by a qualified physician or other health care professional.

You may not be able to immediately contract and relax adequately at first, don't be disappointed. Most patients will learn to contract and relax if they are given some time by themselves at home to practice.

It is important to try **not to**:

- Squeeze your buttocks together
- Bring your knees together
- Hold your breath
- Lift your shoulders / eyebrows or toes upwards

If you do any of these, you are not contracting (tightening) your muscles correctly.

How often should I practice?

Tighten your pelvic floor muscles to your maximum capacity without using your buttocks, thigh muscles or abdominals as described above. Hold tight for as many seconds as you can (up to maximum of 10 secs).

How long can you hold the contraction? _____ secs.

Release the contraction and rest for at least the same time of the contraction. Repeat the 'tighten, hold and release' as many times as you can (up to a maximum of 8-12 repetitions).

How many times can you repeat the contraction? _____ times e.g. 2 secs 4 times.

This becomes your 'starting block'. Repeat your 'starting block' 4 to 6 times during the day. As a result of this muscle training, your pelvic floor will get stronger and your starting block will change e.g. 4 secs 6 times.

This becomes your new 'starting block'.

This program builds up the endurance of the muscle group. In other words, the muscle will be able to work harder for longer.

Now perform the pelvic floor exercise, but squeeze and lift more firmly, then let go. This is called a quick contraction and will help your muscles react quickly when you laugh, cough, exercise or lift.

How many contractions can you do?

Aim to increase this number to 8 to 12 contractions, 3 times a day for at least 6 months. That's the easy bit! The most difficult part of the program is remembering to do the exercises! Here are some tips to help trigger your memory:

- Set an alarm on your watch / phone
- Put coloured sticky notes in places that will catch your eye (e.g. bathroom mirror, telephone, fridge, kettle, steering wheel)
- Exercise after you have emptied your bladder
- Exercise in any position
- You can also use the IUGA pelvic floor exercises free App (www.iuga.org.uk)

How quickly will I see results?

You may not feel your bladder control improve until after 3 to 6 weeks, but it may take up to 6 months to have improvement. DON'T GIVE UP!

It is important to maintain the strength of the muscles once you have completed an exercise programme. Practicing your exercises twice a week, 3 sets of 8-12 maximal contractions 3 times a day should be sufficient. Try to incorporate these exercises into daily life activities. If you are not sure that you are doing the exercises correctly ask your family doctor, nurse, physiotherapist or continence nurse to check for you.

What if I can't contract my pelvic floor muscles?

If you are unable to contract your muscles, your health professional may suggest some additional treatments.

Biofeedback

This aims to help women identify and contract and relax selectively the pelvic floor muscles using signals from their own bodies. Feeling the muscles with your fingers is one example of this. Other methods involve using small sticky electrodes placed on the abdomen and buttock area or an intra-vaginal or intra-rectal probe connected to a computer. The strength and length of the contraction you perform can then be seen on the computer screen.

Electrical stimulation therapy

Sometimes the pelvic floor muscles cannot (yet) contract due to nerve damage e.g. from the delivery of a baby or after surgery. Electrical stimulation will provide an artificial contraction of the pelvic floor muscles, so helping to strengthen them. This method is not suitable for women who can already contract their pelvic floor muscles even if those contractions are weak.

Further useful tips and advice:

- avoid being overweight
- avoid constipation
- drink adequate fluids: try to drink more water and aim to drink in between 1.5 -2 litres (3-4 pints) of fluid a day. Reduce your caffeine intake as these drinks may irritate your bladder
- heavy lifting: as women do not have much muscle in the middle of their pelvic floor due to the three holes in it, it is important to avoid heavy lifting. This increases pressure in your abdomen and puts extra strain on the pelvic floor. If you cannot avoid this, remember to tighten your pelvic floor muscles before lifting and hold tight until you release the load
- Try to tighten your pelvic floor muscles before coughing, sneezing or laughing. This will help to prevent the urinary leakage