



## **Non-specific urethritis**

Looking after your sexual health

Urethritis is inflammation (pain, redness and/or swelling) of the urethra (tube where urine comes out). Sometimes it is called non-specific urethritis (often known as NSU) or non-gonococcal urethritis (NGU). In this leaflet we use the term non-specific urethritis. This means inflammation of the urethra when the cause is not yet known and the sexual infection gonorrhoea (which can cause inflammation) has been ruled out. It is possible for men and women to have non-specific urethritis, but it is more difficult to diagnose in women.

This leaflet only discusses non-specific urethritis in men. It gives you information about non-specific urethritis, what you can do if you are worried you might have it and advice on how to protect yourself from infection.



## Non-specific urethritis

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### ⊙ What causes non-specific urethritis?

There are many different causes. Some, but not all, are passed on through having sex. If you have non-specific urethritis there may be more than one cause, and in some men a cause is never identified.

If you have signs of inflammation in your urethra it is common to be told you have non-specific

urethritis straightaway, before the cause is known. You will probably be tested for sexually transmitted or possibly urinary tract infections to try to find out what the cause of the inflammation is. You may have to wait for these results.

Causes of non-specific urethritis include:

### Sexually transmitted infections

- Chlamydia is a common cause of non-specific urethritis. Up to 50 per cent of men who have inflammation of the urethra are found to have chlamydia.
- Herpes and trichomonas vaginalis are less common causes.

### Other organisms

- Tiny organisms called mycoplasma genitalium and ureaplasma urealyticum can live in the body without causing symptoms but sometimes they multiply quickly, leading to inflammation of the urethra. Being ill or stressed could cause this to happen. Up to 10 per cent of cases of non-specific urethritis are thought to be caused by ureaplasma urealyticum, and up to 25 per cent of cases by mycoplasma genitalium. It is thought these organisms may be transmitted sexually.
- Some bacteria that live in the rectum and the mouth and throat can be passed on during sex and cause inflammation.
- Bacteria that cause infection in the urinary tract (kidneys, bladder and urethra) or the prostate gland can lead to inflammation of the urethra.
- A vaginal infection in your partner, such as thrush or bacterial vaginosis, may trigger non-specific urethritis in you.

### Damage to the urethra

This can be caused by friction during vigorous sex or masturbation, or inserting objects into the urethra. Frequently inspecting or squeezing your urethra can also irritate it and cause inflammation – some men do this if they have recently had an infection or they are worried they might have one.

### Antibacterial liquids

Applying liquids such as tea tree oil, antiseptic or disinfectant can cause inflammation.

### Sensitivity or irritation

Rarely, inflammation can occur if your skin is very sensitive to chemicals, such as those in latex (in condoms, for example), spermicide or soap.

## ⊙ How is non-specific urethritis passed on sexually?

During unprotected vaginal, anal or oral sex, organisms which cause inflammation can pass into the urethra. Non-specific urethritis can occur in any man who is sexually active. You don't need to have lots of sexual partners.

Not all cases of non-specific urethritis are caused by having sex.

You **cannot** get non-specific urethritis from kissing, hugging, sharing baths or towels or from toilet seats.

## ⊙ What are the signs and symptoms?

Not all men who have inflammation will show any signs or symptoms, or they may be so mild they are not noticed.

If signs and symptoms do occur they usually show up within 2–4 weeks of contact with an

infection, but they can sometimes appear within a day or two (depending on the cause of the inflammation). In mild cases, symptoms may not show up for several months. If you do get signs and symptoms you might notice:

- A white or cloudy discharge from the tip of the penis, usually more noticeable first thing in the morning. Sometimes this discharge is seen only when massaged out of the penis.
- Difficulty, pain or a burning sensation when passing urine.
- The feeling that you need to pass urine frequently.
- Itching or irritation at the end of the urethra.

Depending on the cause of the inflammation there may also be other symptoms that are specific to particular infections.

### ⊙ How will I know if I have non-specific urethritis?

You can only be certain if you have a test. Because the inflammation can be caused by sexually transmitted infections you may wish to be tested for infection if:

- you have, or think you might have, symptoms
- you have recently had unprotected sex with a new partner
- you or your partner have had unprotected sex with other partners
- a sexual partner tells you they have a sexually transmitted infection.

### ⊙ How soon after sex can I have a test?

It is important that you don't delay getting a test if you think you may have an infection. You can do a test even if you haven't got symptoms. It is

possible to be tested for signs of inflammation within a few days of having sex, but it may be necessary to wait up to two weeks before you can do a test to check for infections such as chlamydia. Routine tests for mycoplasma genitalium and ureaplasma urealyticum are not currently available in the UK.

### ⊙ What does the test involve?

As well as testing for signs of inflammation it is recommended that you also have a test for chlamydia and gonorrhoea at the same time. The type of sample that is collected will depend on whether you have any signs and symptoms and what infections you are being tested for.

The tests may involve a doctor or nurse:

- using a swab to collect a sample of cells from the entrance of the urethra
- asking you to give a urine sample
- examining your penis.

A swab looks a bit like a cotton bud, but is smaller and rounded. It sometimes has a small plastic loop on the end rather than a cotton tip. It is wiped over the parts of the body that could be affected and easily picks up samples of discharge and cells. It only takes a few seconds and is not usually painful, though it may be uncomfortable for a moment.

In some services they can look at the sample under the microscope straightaway and tell you if there are signs of inflammation. It may also be possible to give you the results of tests for other sexually transmitted infections straightaway. You may however have to wait 1–2 weeks to find out if the non-specific urethritis is being caused by a

sexually transmitted infection or is due to other infection in the urinary tract.

Routine blood tests do **not** detect non-specific urethritis. If you are not sure whether you have been tested just ask.

### ⊙ How accurate are the tests?

The accuracy of looking for signs of inflammation under the microscope depends on the skill of the person doing the test and how long ago you last passed urine. Most men are advised not to urinate for at least two hours beforehand so that the test is as accurate as possible. You may be tested for various causes of non-specific urethritis, and these tests have different levels of accuracy.

If you have signs and symptoms but the test doesn't confirm non-specific urethritis, you may be asked not to pass urine overnight and come back to be tested again.

### ⊙ Where can I get a test?

There are a number of services that you can go to. Choose the service you feel most comfortable with. A test can be done at:

- a genitourinary medicine (GUM) or sexual health clinic
- some general practices (ask your GP or practice nurse)
- some contraception and young people's clinics.

For information on how to find a service see Helplines and websites on the back cover.

### ⊙ Will I have to pay for tests and treatment?

All tests are free through NHS services. Treatment is also free unless you go to your general practice, when you may have to pay a prescription charge for the treatment.

### ⊙ What is the treatment for non-specific urethritis?

Non-specific urethritis is treated with antibiotics.

- If the test shows that inflammation is present, or if there is a high chance that you have an infection, you will be given treatment even if the cause is not yet known.
- There are several different antibiotics that can be used, either as a single dose or a longer course (up to two weeks).
- Some men may get non-specific urethritis more than once, and for a few men it may become persistent (keep coming back). If this happens, you may be given a second course, or a combination, of antibiotics.
- You may also need other treatment if complications have occurred (see What happens if non-specific urethritis isn't treated? on page 10) or the cause of the inflammation becomes known.
- There is no evidence that complementary therapies can cure non-specific urethritis.

### ⊙ When will the signs and symptoms go away?

Most men notice an improvement in the symptoms quite quickly, with the discharge and pain on passing urine usually improving within a week.

### ⊙ Do I need to have a test to check that the non-specific urethritis has gone?

Some services may ask you to go back and see them for a check-up two weeks later, and some may do a follow-up on the phone. This is to:

- check that the signs and symptoms have gone
- check that you were able to take the treatment correctly
- check that you have not been exposed to an infection again
- give you the results of any other tests that were done, and give you advice on how to get further treatment if necessary
- answer any questions you have and give you any advice you need on protecting yourself from infection.

If you still have signs or symptoms you may need to be tested again and have more treatment.

### ⊙ What happens if non-specific urethritis isn't treated?

If non-specific urethritis is detected and treated early there are no complications. If left untreated, some causes of non-specific urethritis can have long-term consequences, although these are uncommon. They can include:

- Painful infection in the testicles.
- Possible reduced fertility.
- Inflammation of the joints. This is known as reactive arthritis. Sometimes reactive arthritis is accompanied by inflammation of the eyes as well as the urethra – if this happens it is known as Reiter's Syndrome.

Non-specific urethritis caused by chlamydia can lead to pelvic inflammatory disease (PID) in your female sexual partner(s). This can lead to long-term pelvic

pain, blocked fallopian tubes, infertility and ectopic pregnancy (when the pregnancy develops outside the womb).

It is not known whether some other causes of non-specific urethritis (for example, mycoplasma genitalium) can lead to pelvic inflammatory disease, but it is thought that it may be possible.

### ⊙ Can non-specific urethritis go away without treatment?

This will depend very much on the cause. If you delay seeking treatment you risk an infection causing long-term damage and you may still be able to pass the infection on to someone else.

### ⊙ How soon can I have sex again?

It is strongly advised that you do not have any sexual intercourse, including vaginal, anal or oral sex until you **and** your partner have both finished the treatment and any follow-up treatment. This is to help prevent you being reinfected or passing the infection on to someone else. If it is not possible to avoid sex, make sure that you use a condom. This might reduce the risk of infection, but won't eliminate it.

### ⊙ Will I know how long I've had the infection?

The tests cannot tell you how long the infection has been there. If the non-specific urethritis has been caused by a sexual infection and you have had more than one sexual partner, it can be difficult to know which partner it came from.

If you feel upset or angry about having an infection and find it difficult to talk to your partner or friends, don't be afraid to discuss how you feel with the staff at the clinic or general practice.

### ⊙ Should I tell my partner?

Because urethritis is often caused by a sexually transmitted infection it is very important that your current sexual partner(s) and any other recent partners are also tested and treated. The staff at the clinic or general practice can discuss with you which of your sexual partners may need to be tested.

You may be given a 'contact slip' to send or give to your partner(s) or, with your permission, the clinic can do this for you. The slip explains that they may have been exposed to a sexually transmitted infection and suggests that they go for a check-up. It may or may not say what the infection is. It will not have your name on it, so your confidentiality is protected. This is called partner notification. You are strongly advised to tell your partner(s), but it isn't compulsory.

In some men who are not responding to treatment, non-specific urethritis may only clear up after their partner has been treated too.

### ⊙ How will I know if non-specific urethritis has affected my fertility?

Sexual infection is just one of many factors that can affect your fertility. Having non-specific urethritis will not affect the fertility of most men. If you have had non-specific urethritis you will not normally be offered any routine tests to see if you are fertile unless your partner is having difficulty getting pregnant. If you do not want your partner to get pregnant, it is still important to use contraception. You should not assume you are infertile. If you are concerned, talk to your doctor or practice nurse.

### ⊙ How can I protect myself from non-specific urethritis and other sexually transmitted infections?

It is possible to get non-specific urethritis and other sexually transmitted infections by having sex with someone who has the infection but has no symptoms. The following measures will help protect you from non-specific urethritis and most other sexually transmitted infections including HIV, gonorrhoea and chlamydia. If you have a sexually transmitted infection without knowing it they will also help prevent you from passing it on to your partner.

- Use condoms (male or female) every time you have vaginal or anal sex.
- If you have oral sex, cover the penis with a condom or the female genitals and male or female anus with a latex or polyurethane (soft plastic) square.
- If you are not sure how to use condoms correctly visit [www.fpa.org.uk](http://www.fpa.org.uk) for more information or call fpa's helpline (see Where can I get more information and advice? on page 14).
- Avoid sharing sex toys. If you do share them, wash them or cover them with a new condom before anyone else uses them.

Another way to help protect yourself against non-specific urethritis is to avoid putting objects into your urethra, or applying lotions or antiseptic creams.



© **Where can I get more information and advice?**

Call **sexual health direct**, run by **fpa**, for confidential information and advice on all sexually transmitted infections, contraception, pregnancy choices, abortion and planning a pregnancy. We can also give you details of sexual health services and a wide range of booklets, including a guide to male and female condoms.

**fpa helplines**

**England**

0845 122 8690

9am to 6pm Monday to Friday

**Northern Ireland**

0845 122 8687

9am to 5pm Monday to Thursday

9am to 4.30pm Friday

or visit **fpa's** website **[www.fpa.org.uk](http://www.fpa.org.uk)**

Details of clinics can be found in your local directory under sexual health, genitourinary medicine (GUM) or sexually transmitted infections (STIs).



© **Using a service**

- Wherever you go, you shouldn't be judged because of your sexual behaviour.
- All advice, information and tests are free. All services are confidential.
- All tests are optional and should only be done with your permission.
- Ask as many questions as you need to – and make sure you get answers you understand.
- The staff will offer you as much support as you need, particularly if you need help on how to tell your partner.



## Helplines and websites

- ⊙ Call **sexual health direct**, run by **fpa** on 0845 122 8690 for confidential information and advice on sexually transmitted infections, contraception, pregnancy choices, abortion and planning a pregnancy or visit **www.fpa.org.uk**.
- ⊙ For confidential information about sexually transmitted infections, sexual health or where to find local services call the **Sexual Health Line** on 0800 567 123. Textphone 0800 521 361. Lines are open 24 hours a day.
- ⊙ Visit **www.condomessentialwear.co.uk** and **www.ssha.info** (Society of Sexual Health Advisers).
- ⊙ Young people under 25 can also call **Brook** on 0800 0185 023 or visit **www.brook.org.uk**.
- ⊙ Call **NHS Direct** on tel: 0845 46 47 (NHS 24 in Scotland, tel: 0845 4 24 24 24).

### ⊙ A final word

The information in this booklet is based on evidence-based guidance produced by The British Association of Sexual Health and HIV (BASHH). Different people may give you different information and advice about certain points.



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