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## Salpingitis

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### Summary

- Salpingitis is inflammation of the fallopian tubes, caused by bacterial infection.
  - Common causes of salpingitis include sexually transmitted diseases such as gonorrhoea and chlamydia.
  - Salpingitis is a common cause of female infertility because it can damage the fallopian tube.
  - Treatment options include antibiotics.
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The fallopian tubes extend from the uterus, one on each side, and both open near an ovary. During ovulation, the released egg (ovum) enters a fallopian tube and is swept along by tiny hairs towards the uterus.

Salpingitis is inflammation of the fallopian tubes. Almost all cases are caused by bacterial infection, including sexually transmitted diseases such as gonorrhoea and chlamydia. The inflammation prompts extra fluid secretion or even pus to collect inside the fallopian tube. Infection of one tube normally leads to infection of the other, since the bacteria migrates via the nearby lymph vessels.

Salpingitis is one of the most common causes of female infertility. Without prompt treatment, the infection may permanently damage the fallopian tube so that the eggs released each menstrual cycle can't meet up with sperm. Scarring and blockage of the fallopian tubes is the most frequent long-term complication of pelvic inflammatory disease (PID) and so this condition can sometimes be referred to as PID. However, the umbrella term of PID includes other infections of the female reproductive system, such as the uterus and ovaries.

### Symptoms of salpingitis

In milder cases, salpingitis may have no symptoms. This means the fallopian tubes may become damaged without the woman even realising she has an infection. The symptoms of salpingitis may include:

- abnormal vaginal discharge, such as unusual colour or smell
- spotting between periods
- dysmenorrhoea (painful periods)
- pain during ovulation
- uncomfortable or painful sexual intercourse
- fever
- abdominal pain on both sides
- lower back pain
- frequent urination
- nausea and vomiting
- the symptoms usually appear after the menstrual period.

### Types of salpingitis

Salpingitis is usually categorised as either acute or chronic. In acute salpingitis, the fallopian tubes become red and swollen, and secrete extra fluid so that the inner walls of the tubes often stick together. The tubes may also stick to nearby structures such as the intestines. Sometimes, a fallopian tube may fill and bloat with pus. In rare cases, the tube ruptures and causes a dangerous infection of the abdominal cavity (peritonitis). Chronic salpingitis usually follows an acute attack. The infection is milder, longer lasting and may not produce many noticeable symptoms.

### Causes of salpingitis

In nine out of 10 cases of salpingitis, bacteria are the cause. Some of the most common bacteria responsible for

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salpingitis include:

- chlamydia
- gonococcus (which causes gonorrhoea)
- mycoplasma
- staphylococcus
- streptococcus.

The bacteria must gain access to the woman's reproductive system for infection to take place. The bacteria can be introduced in a number of ways, including:

- sexual intercourse
- insertion of an IUD (intra-uterine device)
- miscarriage
- abortion
- childbirth
- appendicitis.

### **Lifestyle risk factors of salpingitis**

Lifestyle factors that significantly increase a woman's risk of contracting salpingitis include:

- engaging in sexual intercourse without a condom
- prior infection with a sexually transmitted disease.

### **Complications of salpingitis**

Without treatment, salpingitis can cause a range of complications, including:

- Further infection - the infection may spread to nearby structures, such as the ovaries or uterus.
- Infection of sex partners - the woman's partner or partners may contract the bacteria and become infected too.
- Tubo-ovarian abscess - about 15 per cent of women with salpingitis develop an abscess, which requires hospitalisation.
- Ectopic pregnancy - a blocked fallopian tube prevents the fertilised egg from entering the uterus. The embryo then starts growing inside the confined space of the fallopian tube. The risk of ectopic pregnancy for a woman with prior salpingitis or other form of pelvic inflammatory disease (PID) is around one in 20.
- Infertility - the fallopian tube may become deformed or scarred to such an extent that the egg and sperm are unable to meet. After one bout of salpingitis or other PID, a woman's risk of infertility is about 15 per cent. This rises to 50 per cent after three bouts.

### **Diagnosis of salpingitis**

Diagnosing salpingitis involves a number of tests, including:

- general examination - to check for localised tenderness and enlarged lymph glands
- pelvic examination - to check for tenderness and discharge
- blood tests - to check the white blood cell count and other factors that indicate infection
- mucus swab - a smear is taken to be cultured and examined in a laboratory so that the type of bacteria can be identified
- laparoscopy - in some cases, the fallopian tubes may need to be viewed by a slender instrument inserted through abdominal incisions.

### **Treatment for salpingitis**

Treatment depends on the severity of the condition, but may include:

- antibiotics - to kill the infection, which is successful in around 85 per cent of cases
- hospitalisation - including intravenous administration of antibiotics

- surgery - if the condition resists drug treatment.

### Where to get help

- Your **doctor / GP**
- Your school nurse or school welfare coordinator
- Some secondary schools provide access to an **adolescent health trained GP on site**
- Your local community health service
- **Family Planning Victoria's Action Centre** Tel. **1800 013 952** or **(03)9660 4700** (also is youth friendly)
- **Family Planning Victoria** Tel. **1800 013 952** or **(03) 9257 0100**
- **Melbourne Sexual Health Centre** Tel. **(03) 9341 6200** or **1800 032 017** or TTY (for the hearing impaired) **(03) 9347 8619**
- **Thorne Harbour Health** (formerly Victorian AIDS Council) Tel. **(03) 9865 6700** or **1800 134 840**
- **The Centre Clinic**, St Kilda Tel. **(03) 9525 5866**
- **Equinox Gender Diverse Health Centre** Tel. **(03) 9416 2889**
- **PRONTO!** Tel. **(03) 9416 2889**
- **Ballarat Community Health Sexual Health Clinic** Tel. **(03) 5338 4500**
- **Bendigo Community Health Sexual Health Clinic** Tel. **(03) 5434 4300** Or **(03) 5448 1600**
- **Gateway Health Clinic 35**, Wodonga Tel. **(02) 6022 8888** or **1800657 573**
- **Sunraysia Community Health Services** Tel. **(03) 5022 5444**
- **Barwon Health Sexual Health Clinic** Tel. **(03) 5226 7489**
- **Victorian Supercare Pharmacies**
- **1800MyOptions** Tel:**1800 696784** is a statewide phone service for information about sexual health as well as contraception and pregnancy options

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