

## What is an Anal Abscess?

An abscess is a collection of pus in any localised space in the body. An anal abscess is one that develops in the tissues around the anus.

## What Causes an Anal Abscess?

A number of small glands are normally present between the inner and outer layers of the anal sphincter muscle. Bacteria may lodge in these glands, setting up an infection. An abscess develops from this infective process. This may extend to various areas around the anal canal to involve the anal sphincter muscle and surrounding structures. The abscess may enlarge and burst through the overlying skin or may be drained by surgical treatment.

## What are the Symptoms of an Anal Abscess?

As the amount of pus in an abscess increases, the pressure within it rises. This produces constant throbbing pain which continues until the pus escapes. Other symptoms include fever and sweating.

## How is an Abscess Treated?

The pus is drained from the abscess cavity by making an opening through the overlying skin. This may be done under local anaesthesia in the doctor's office. A large abscess

may require wider drainage, under general anaesthesia. Hospital admission is needed for such a procedure. Antibiotics may be used to control the spread of infection, but antibiotics alone will not cure an abscess. Drainage of the pus is always necessary. Some patients may require a drainage pipe or tube for a period of time.

## What is a Fistula?

An anal fistula is an abnormal track ("tunnel") between the internal lining of the anus and the skin outside the anus. A fistula may develop after spontaneous drainage of an abscess, may be identified at the time of surgical drainage of an abscess, or may occur after surgical drainage of the abscess. Discharge of pus may be constant or intermittent as the external opening on the skin may heal temporarily.

## Is a Fistula Related to Cancer?

No, a fistula is not related to cancer.

## Is a Fistula Related to Other Diseases?

Most fistulae are the result of infections in an anal gland. However patients suffering from inflammatory bowel disease (colitis and Crohn's disease) are more likely to develop anal abscesses and fistulae.

## How is a Fistula Treated?

Surgery is needed to cure a fistula. The course of the track between the anus and the skin has to be identified and exposed. This track may be treated in one of three ways according to its complexity.

- Fistulotomy opens the length of the track to the skin's surface allowing the open wound to heal slowly. Some sphincter muscle is divided. This is the most frequent treatment employed.
- A Seton is a loop of flexible material placed along the track to maintain drainage for a period of time.
- Fistula repair closes the internal opening of the track and preserves anal sphincter muscle. This is a more complex operation and various different types of fistula repair are used. Your surgeon will discuss this with you.

Examination under anaesthesia may be necessary to assess the process of healing. Most operations for fistulae are performed in hospital but small fistulae can be managed in hospital or day care centres.

## Anal Sphincter Control After Surgery?

Fistulotomy divides a varying depth of anal sphincter and this may result in some weakness of the

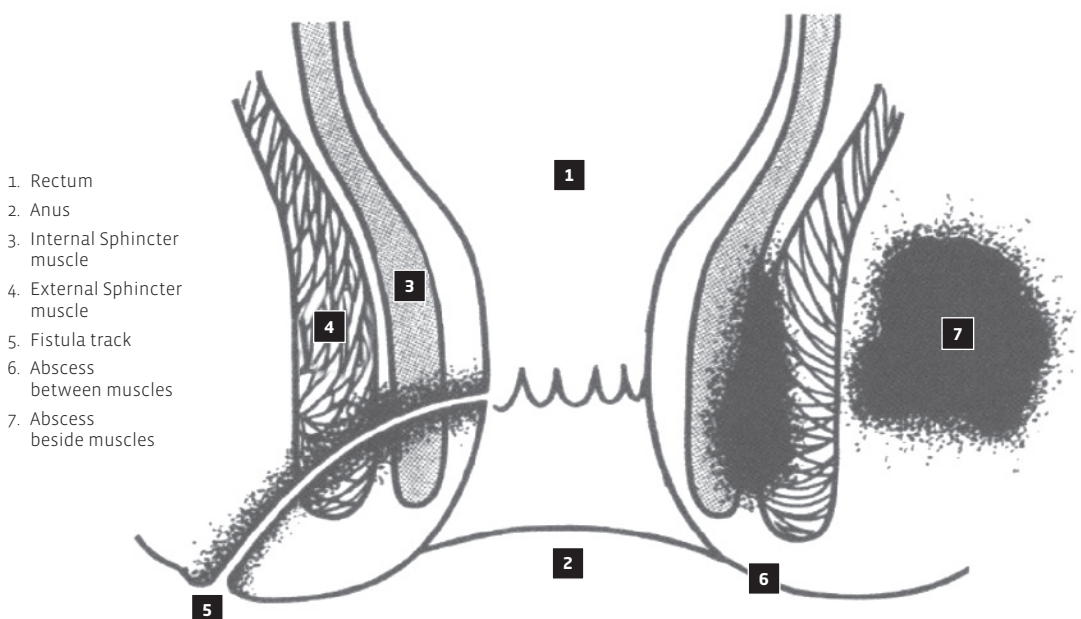
muscle. The effect on continence will depend on the anatomy of the fistula and the amount of intact sphincter remaining after surgical treatment.

## History

Fistula: from Latin, meaning a pipe or reed.

Fistula surgery has been practised since ancient times and is mentioned in the Ebers Papyrus of 1550BC from Egypt.

Fistula instruments have been unearthed in the ruins of Pompeii. Hippocrates (460-356BC) realised that an anal fistula required fistulotomy and also used the Seton technique. Henry V of England died of a fistula at the age of 35. Louis XIV of France had a fistula successfully treated in 1687 which did much to improve the lowly status of surgeons at the time.



1. Rectum
2. Anus
3. Internal Sphincter muscle
4. External Sphincter muscle
5. Fistula track
6. Abscess between muscles
7. Abscess beside muscles

## Colorectal Surgical Society of Australia and New Zealand (CSSANZ)

Members of the Society are surgical specialists practising exclusively in colorectal surgery - the management of diseases of the large bowel (colon), rectum, anus and small bowel. After completing general surgery training they have completed a further period of training and research in colorectal surgery. The Society's mission is the maintenance of high standards in colorectal surgery and colonoscopy in Australia and New Zealand through the training of colorectal surgeons and the education of its members, and to promote awareness, prevention and early detection of colorectal diseases in the community.

The CSSANZ Foundation is a trust with a board of governors whose objective is to support high quality research projects for colorectal surgeons in training and our members. Donations to the CSSANZ Foundation are fully tax deductible in Australia and can be sent to:

CSSANZ Foundation Pty Ltd  
Suite 6, 9 Church St, Hawthorn,  
VIC 3122, Australia