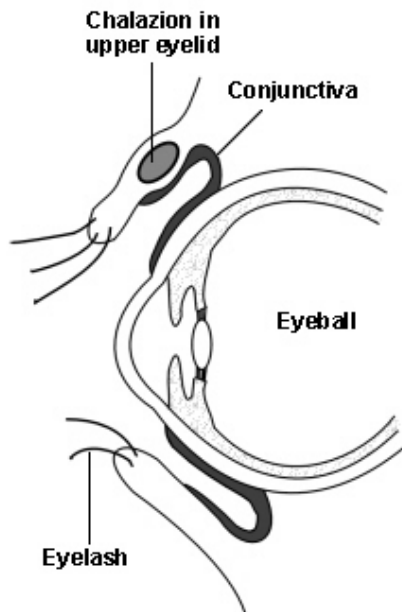


Chalazion (Eyelid cyst)

A chalazion is a common condition affecting the eyelid and is caused by a blockage and inflammation of a gland in the eyelid. The swelling (cyst) is usually felt as a small painless lump. It can become infected or painful. If it is causing problems and does not settle on its own, it can be medically treated with an injection or removed with a small operation.

What is a chalazion?



A chalazion is a small (2-8 mm) swelling in the eyelid. It arises due to inflammation causing a reaction known as a "granuloma" - this is a swelling filled with white blood cells and other tissue. It is common and sometimes called a meibomian cyst or tarsal cyst. A chalazion is more common on the upper eyelid. It is possible to have several at once, in more than one eyelid. It is not the same as a sty.



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Chalazion vs Stye

A chalazion is caused by a blockage of a gland in the eyelid, whereas a stye is due to an infected eyelash follicle.

Stye vs Chalazion vs Hordeolum

A hordoleum is another word for a stye. These can be internal (an infection of the Meibomian gland) or external (an infection of the eyelash follicle) A chalazion is not an infection but is an inflammation. Sometimes it can be difficult to tell the difference between an internal hordoleum (stye) and an inflamed chalazion but the treatment for them both is the same.

Chalazion causes

There are tiny glands just under the inner surface of the eyelid, called meibomian glands. These make an oily fluid called meibum to help lubricate the eye.

If the gland becomes blocked then the meibum cannot escape into the tears. It may expand into a swelling and leak into the eyelid tissue. This becomes inflamed. Over time, inflammation causes a lump (or granuloma) to form in the eyelid. This is a firm, solid lump that remains for a long time. This lump is the chalazion.

Chalazion is more common in people who have an eye condition known as blepharitis, or skin conditions such as [eczema](#), because in these conditions the meibum tends to be thicker so the gland is more easily blocked.

It is most commonly found in adults between the ages of 30 and 50.

See the separate leaflets called [Stye](#) and [Blepharitis](#) for more details.

Chalazion symptoms

- The usual symptom is a small lump which develops on an eyelid.
- It often is red and the surrounding area might be a little swollen.
- Sometimes it causes mild pain or irritation, particularly if it has just started – this usually settles.
- It sometimes gets infected and then becomes more swollen, red and painful.
- Sight is not affected, although very occasionally it can be big enough to be noticeable at the edge of the vision.

Chalazion treatment

No treatment may be necessary as up to half of people get better without any treatment. This can take between two and six months but if the chalazion is not causing any problems, it is best just to watch and wait. Further treatment options include:

- **Warm compresses** can help to reduce discomfort and also may disperse the chalazion. A clean flannel that has been in hot water should be held gently but firmly against the closed eye for 5-10 minutes, 3-4 times a day. The flannel cools quickly so should be warmed again regularly. This warmth and slight pressure may be enough to soften the contents of the fluid-filled swelling (cyst), helping it drain more easily. (The water should be hot but comfortable and not scalding.)
- **Antibiotic ointments, drops and medicines** are not recommended as they do not make any difference - the contents of the cyst are infection-free. If the chalazion does become infected, antibiotic drops can sometimes be helpful.
- **Massage** of the cyst after using a hot compress can encourage the cyst to drain. To do this, gently massage with a clean finger or cotton bud, in the direction of the eyelashes.
- **Cleaning the eyelid** twice per day removes grease and dead skin cells that may contribute to cysts forming. A weak solution of baby shampoo in warm water is ideal and a cotton bud can be used to clean the eyelids with this.
- **A small operation** is an option if it is troublesome or persistent. A referral to an ophthalmologist is needed and the operation is usually done under local anaesthetic, although children and some adults may not tolerate this and may require general anaesthetic. The eyelid is numbed. A small cut is then made on the inside of the eyelid to release the contents of the cyst and it is scraped out. After surgery antibiotic drops or ointment are commonly prescribed.
- **An injection of a steroid** directly into the chalazion is another type of treatment which is less invasive and can be successful.

Are there any complications?

Most chalazia cause no problems. A cyst can become infected.

Rarely, this infection can spread to involve the whole eyelid and tissues surrounding the eye. The eyelid may be very swollen and red. It might be difficult to open the eye and there may be a lot of pain and a [high temperature \(fever\)](#). This type of complication is called orbital cellulitis and it is important to seek urgent medical advice, usually in an emergency department of a hospital. Treatment of orbital cellulitis is with antibiotics, usually into a vein (intravenously) via a drip, in hospital.

Will it happen again?

A chalazion usually only occurs once. However, some people are prone to developing them and they may recur. It is sometimes possible to prevent a chalazion developing by using a hot compress on the eyelids (described above) and massaging the eyelids each morning.

Dr Mary Lowth is an author or the original author of this leaflet.

Further reading

- [Meibomian cyst \(chalazion\)](#); NICE CKS, April 2024 (UK access only)
- [Carlisle RT, Digiovanni J](#); Differential Diagnosis of the Swollen Red Eyelid. Am Fam Physician. 2015 Jul 15;92(2):106-12.

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