



## LICHEN PLANUS

### What are the aims of this leaflet?

This leaflet has been written to help you understand more about lichen planus. It tells you what it is, what can be done about it, and where you can find out more about it.

### What is lichen planus?

Lichen planus is a fairly common, itchy, non-infectious type of rash that usually occurs in adults. Doctors use the word *lichen* to mean small bumps on the skin. *Planus* means *flat* and tells us that the small itchy bumps that make up the rash of lichen planus have shiny flat tops.

### What causes lichen planus?

The cause of lichen planus is still not known, but is likely to have something to do with the body's defences: the immune system. Rashes that look like lichen planus, known as *lichenoid drug eruptions*, are sometimes a reaction to taking medicines such as gold (used for arthritis) or anti-malarial tablets. Lichen planus is not contagious.

### Is lichen planus hereditary?

Usually it is not but, rarely, a few members of the same family can have it.

### What are the symptoms of lichen planus?

Lichen planus on the skin is usually itchy.

## **What does lichen planus look like?**

The rash is made up of shiny, 3-5 mm, slightly raised purple-red spots. A close look is needed to see the irregular white streaks that lie on the flat surface of some of them. The spots arise most often on the fronts of the wrists, around the ankles and on the lower back, but can spread more widely. In addition, lichen planus sometimes comes up in lines where the skin has been scratched or cut.

Other types of lichen planus include a thickened ('hypertrophic') lichen planus, which tends to affect the shins, and a ring-shaped ('annular') lichen planus, which usually comes up in the creases such as the armpits. Lichen planus occasionally appears on the scalp where it can cause hair loss, or may damage the nails (thinning and grooving of the nail plate), though this is rare.

Lichen planus is common in the mouth and is present in about 30-70% of those who have it on their skin (see patient information leaflet for Oral Lichen Planus).

Lichen planus can affect the penis in men, causing purple-coloured or white ring-shaped patches. Unlike other patches of lichen planus, these often do not itch. Lichen planus can affect the genital area in women too, but this is less common.

Lichen planus in most patients clear up within 18 months and usually stay clear, although some have a second episode many years later. Unfortunately some types of lichen planus, such as oral, hair or nail involvement, can last for many years. Even after the active lichen planus has cleared up, pigmented stains in the skin may persist for a long time, particularly in Asian or Afro-Caribbean skin.

## **How will lichen planus be diagnosed?**

Usually the diagnosis of lichen planus can be made easily enough just by the look of the rash. Confusion may arise with flat plane warts, with some types of eczema, and with rashes due to some drugs. If there is real doubt, the diagnosis can be clinched by looking under the microscope at a small sample of skin (a biopsy specimen) removed after a local anaesthetic injection.

## **Can lichen planus be cured?**

No, treatment damps it down but does not switch it off. However, lichen planus usually goes away by itself.

## How can lichen planus be treated?

**Mild cases** of lichen planus need no treatment.

**Moderate cases of lichen planus on the skin.** These lesions are usually treated with steroid creams. Lichen planus can be very itchy so the steroid creams used are often strong; it is important to use them in the right way. As lichen planus gets better, it changes from red to purple spots, and then to greyish or brown coloured spots. Treating the brown spots with steroids will not make them go away any faster and will raise the risk of side effects such as thinning of the skin. The strong creams should only be used for the red or purple itchy spots, and then stopped as they go brown.

**Severe cases of lichen planus.** If your lichen planus is very bad, your doctor may suggest treatment with steroid tablets, ciclosporin capsules, or a tablet known as acitretin. These treatments will suppress but do not cure lichen planus, and can have important side effects and interactions with other medicines. They will not be prescribed unless your rash is very severe. A special type of ultraviolet light treatment (PUVA) may help widespread lichen planus; however this has some important long-term side effects, which your dermatologist will discuss with you.

**Lichen planus in the mouth** (see Patient Information Leaflet for [Oral Lichen Planus](#))

**Lichen planus of the hair or nails.** If lichen planus is affecting your hair or nails, the damage can be permanent. This is sometimes an indication for treatment with the tablets mentioned above.

## What can I do?

You should be careful not to injure your skin as this can make new spots of lichen planus come up there.

## Where can I get more information about lichen planus?

*Web links to detailed leaflets:*

[www.aad.org/pamphlets/lichen.html](http://www.aad.org/pamphlets/lichen.html) (includes photographs)

[www.dermnetnz.org/dna/lichen.planus/info.html](http://www.dermnetnz.org/dna/lichen.planus/info.html) (includes photographs)

[www.emedicine.com/derm/topic233.htm](http://www.emedicine.com/derm/topic233.htm) (includes photographs)

**Where can I get information about lichen planus in the mouth?**

[www.bad.org.uk/site/1291/default.aspx](http://www.bad.org.uk/site/1291/default.aspx)

**This leaflet aims to provide accurate information about the subject and is a consensus of the views held by representatives of the British Association of Dermatologists: its contents, however, may occasionally differ from the advice given to you by your doctor.**

*This leaflet has been assessed for readability by the British Association of Dermatologists' Patient Information Lay Review Panel*

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