

# PATIENT INFORMATION ON

# ETANERCEPT

(Brand name: Enbrel)

(Biosimilar name: Brenzys)

This information sheet has been produced by the Australian Rheumatology Association to help you understand the medicine that has been prescribed for you. It includes important information about:

- **how you should take your medicine**
- **the possible side effects**
- **what tests you will have to monitor your condition**
- **other precautions you should take while you are taking etanercept.**

Please read it carefully and discuss it with your specialist/GP.

## Important things to remember

- While taking etanercept you must see your rheumatologist regularly to ensure the treatment is working and minimise any possible side effects.
- If you stop etanercept for any reason you must contact your specialist/GP. Failure to do so may mean that your continued treatment will no longer be subsidised.
- Remember to change the injection site each time etanercept is injected.
- If you are worried about any side effects you should contact your rheumatologist as soon as possible.
- It is important to tell your specialist/GP if you have had cancer or if you develop cancer while you are taking etanercept.
- If you are taking etanercept and plan to become pregnant you must discuss the timing with your specialist/GP.

For more information about RHEUMATOID ARTHRITIS and other inflammatory conditions see Arthritis Australia's website: [www.arthritisaustralia.com.au](http://www.arthritisaustralia.com.au)

## What is etanercept?

Etanercept (brand name Enbrel) is one of a group of medicines called **biological disease modifying antirheumatic drugs (biological DMARDs or bDMARDs)**.

bDMARDs have now been given to over a million people worldwide since their initial use in the late 1990s.

These medicines block natural substances, produced by arthritic tissues, called cytokines. These substances are found in excessive amounts in the blood and joints of people with rheumatoid arthritis, psoriatic arthritis, juvenile arthritis and ankylosing spondylitis.

The increased levels of cytokines cause inflammation, which results in symptoms of pain, joint swelling and stiffness, and can lead to joint damage.

By blocking the cytokine called Tumour Necrosis Factor (TNF), etanercept reduces inflammation, lessens the symptoms and helps stop further joint damage.

Biosimilar brand etanercept (trade name Brenzys) has been in use in Australia since early 2017. A biosimilar is a version of etanercept that has been shown to have similar safety and effectiveness as the original brand but it is not a generic drug.

## What benefit can you expect from your treatment?

Unlike standard antirheumatic drugs (DMARDs), etanercept works relatively quickly. You may notice some relief of joint swelling, pain and stiffness within the first 4 weeks of treatment.

## **Stopping etanercept**

If you stop etanercept treatment for more than a few weeks there is a risk that your condition may worsen. Continue with your treatment unless advised by your specialist/GP or unless side effects develop (see *Side effects*).

If you stop etanercept for any reason you **must** contact your specialist/GP. Failure to do so may mean that your continued treatment may no longer be subsidised.

## **Brands of etanercept**

You should not switch between different brands of etanercept unless advised to do so by your specialist. Make sure you are given the same brand each time. If you need to change brands, your specialist will advise you to and will monitor for side effects like when you first started treatment.

## **How will your condition be monitored?**

In view of the current prescribing restrictions for all bDMARDs:

- Etanercept will only be given if your disease is active and if standard treatments have been unsuccessful.
- It will not be continued unless it helps your condition. This will be assessed at least 12 weeks after the start of treatment.
- Blood tests will be required during your treatment to monitor your condition and to determine the effectiveness of treatment.
- The frequency of blood tests will depend on what other medicines you are taking and what other illnesses you might have. Your rheumatologist will determine the frequency of tests required.

## **How is etanercept taken?**

Etanercept is injected under the skin of the abdomen or thigh.

It can be injected by your specialist/GP, nurse, carer or by you. If injecting yourself be sure to follow the detailed instructions carefully to ensure the best response. It is particularly important to change the injection site each time.

## **What is the dosage?**

The usual dose for adults with arthritis is 50mg once a week. In children the dose is usually less and may be given twice a week.

## **Can other medicines be taken with etanercept?**

Etanercept may be used with other arthritis medicines including:

- other DMARDs such as methotrexate
- steroid medicines such as prednisolone or cortisone injections into the joint
- anti-inflammatory medicines (NSAIDs) such as naproxen (Naprosyn) or ibuprofen (Brufen, Nurofen)
- simple pain medicines such as paracetamol.

Etanercept should not be used with other bDMARDs.

There are separate information sheets for the medicines mentioned above.

## **Are there any side effects?**

You might experience side effects with your treatment. Contact your specialist/GP if you are concerned about possible side effects. Many side effects disappear when etanercept treatment is stopped.

### **Most common possible side effects**

- *Mild pain, swelling or itching* at the site of the injection are very common (up to 20% of patients) but can be reduced by applying ice and antihistamine/steroid creams to the injection site.
- *Headaches, cough and stomach and bowel discomfort* may also occur.
- As etanercept affects the immune system, *mild infections*, particularly of the upper respiratory tract (e.g. colds, sinusitis) may occur more frequently than usual. Treatment with etanercept may need to be temporarily stopped, so contact your specialist/GP for advice.

### **Less common or rare possible side effects**

- *Serious infections* such as tuberculosis (TB) are seen rarely, and screening for TB is needed before treatment begins (see *Precautions*).
- Rarely etanercept may cause an *allergic reaction* with itchy, red skin or a rash or a feeling of tightness in the chest and difficulty breathing.
- Side effects involving the nerves, such as *inflammation of the nerve to the eye*, may also occur very rarely, causing changes in vision or sensation.

- Very rarely ‘*drug-induced lupus*’ has occurred with symptoms of rash, fever and increased joint pain.
- It is still unclear from research if there is an increased risk of cancer due to etanercept treatment (see *Precautions*).

## **What precautions are necessary?**

### **Infections**

- If you have an active infection of any kind treatment with etanercept will not be given until the infection is treated successfully.
- Etanercept will not be given if you have active untreated tuberculosis (TB) or HIV (AIDS) infection as it is likely to make these conditions worse.
- If you have latent (inactive) TB preventative anti-TB treatment will be started at least 4 weeks before etanercept. The anti-TB treatment will usually need to be taken for 9 months.
- Hepatitis B or C infection may not necessarily exclude treatment.
- Because of the risks associated with infection the following tests may be conducted before commencing treatment with etanercept:
  - blood tests for hepatitis B and C
  - chest x-ray and two step Tuberculin Skin Test (Mantoux) or QuantiFERON blood test for tuberculosis (TB)
  - HIV tests are required for those who are at risk of this infection.

### **Precautions with other diseases**

- People with multiple sclerosis should not be treated with etanercept due to the possible effects on the nerves.
- People with moderate to severe heart failure may not be treated with etanercept as the medicine can make heart failure worse.
- People with systemic lupus erythematosus (lupus/SLE) are not usually given etanercept but each case will be assessed individually.

### **Use with other medicines**

- Etanercept can interact with other medicines. You should tell your specialist/GP (including your general practitioner, rheumatologist and others) about all medicines you are taking or plan to take. This includes over the counter or herbal/naturopathic medicines.
- You should also mention your treatment when you see other health professionals.

- Etanercept does not increase the risk of side effects from low dose aspirin (taken for prevention of heart attack and strokes).
- The simple pain reliever paracetamol and combined pain medicines such as Panadeine and Panadeine Forte can be used while you are receiving etanercept treatment provided you take them as directed.

### **Vaccines**

- If you are on etanercept it is recommended you should not be immunised with ‘live’ vaccines such as MMR (measles, mumps and rubella), OPV (oral polio virus), BCG (Bacillus Calmette-Guerin), Zostavax (herpes Zoster) or yellow fever. Talk with your rheumatologist before receiving any vaccines.
- Pneumovax and the combined yearly seasonal flu /swine flu vaccinations are safe and recommended to reduce your risk of those infections.

### **Surgery**

- If you require surgery for any reason, treatment with etanercept may be stopped before surgery. It will be restarted again after the operation at a time determined by your surgeon and rheumatologist. Treatment will be restarted once the wound is healed and if there is no infection present.

### **Cancer risk**

- Lymphoma, a cancer of lymph glands, is found more commonly in patients with severe active rheumatoid arthritis than in the general population. Studies are in progress to see if treatment with etanercept changes this. To date there is no evidence to suggest that this medicine increases lymphoma.
- If cancer has been previously treated and cured it is unclear whether a TNF-bDMARD such as etanercept can be used safely. Mounting data suggests it is probably safe though, it is recommended to speak with your Rheumatologist about this.
- For general cancer prevention stopping smoking and taking skin cancer prevention measures are recommended. It is important to use sunscreen and avoid prolonged sun exposure. A yearly skin check is recommended.
- Talk to your specialist/GP if you have any concerns about issues relating to cancer risk.

### **Use with alcohol**

- You may drink alcohol while taking etanercept. However, if you are also taking methotrexate you should be particularly cautious about your alcohol intake.
- It is not known precisely what level of drinking is safe when on methotrexate, however there is general agreement that one to two standard drinks taken once or twice a week is unlikely to cause a problem.
- Drinking more than four standard drinks on one occasion, even if infrequently, is strongly discouraged.

**Use in pregnancy and when breastfeeding**

- With respect to Etanercept's use in pregnancy, there is a low rate of transplacental transfer hence if it is required to control active disease during pregnancy it can be used up to week 32, then it is recommended to cease. If you plan to become pregnant it is important to discuss this with your specialist/GP.
- If you are considering breastfeeding when taking etanercept you should discuss this with your specialist/GP.

**How to store etanercept**

- Etanercept should normally be kept refrigerated. However, if needed, for example when travelling, it may be stored below 25°C for up to four weeks.
- Keep all medicines out of reach of children.

**Questions?**

If you have any questions or concerns write them down and discuss them with your specialist/GP.

**Your specialist/GP's contact details**

If you are having IV bisphosphonates you should see your rheumatologist regularly to make sure the treatment is working and to minimise any possible side effects.

**How to help us help you**

**Sign up to the ARAD project now!**

The Australian Rheumatology Association collects information on how well these drugs work and how often they cause problems.

The best way to get this information is from you!

Contact us in any of the following ways:

**Email:** [ARAD@monash.edu](mailto:ARAD@monash.edu)

**Telephone:** 03 9508 3424

**Visit our website:** [www.ARAD.org.au](http://www.ARAD.org.au)

The information in this sheet has been obtained from various sources and has been reviewed by the Australian Rheumatology Association. It is intended as an educational aid and does not cover all possible uses, actions, precautions, side effects, or interactions of the medicines mentioned. This information is not intended as medical advice for individual problems nor for making an individual assessment of the risks and benefits of taking a particular medicine. It can be reproduced in its entirety but cannot be altered without permission from the ARA. The NHMRC publication: *How to present the evidence for consumers: preparation of consumer publications* (2000) was used as a guide in developing this publication.