

Pain Management Service

Lumbar Epidural Injection

What is an epidural injection?

An epidural is an injection into an area of your back that surrounds the spinal cord, in this case the lumbar (lower back) region. The procedure is usually performed to help reduce sciatica (leg pain) that is thought to arise from irritation of nerves in the back (lumbar spine). A local anaesthetic and steroid will be injected. This will bathe the nerve roots and minimise inflammation (the body's response to irritation) which may have an effect on your pain.

Benefits

Leg pain caused by inflammation in the spine can be relieved by this injection.

Risks

Unfortunately no procedure is risk free.

- There may be some temporary discomfort at the site of injection
- infection
- bruising
- There is a possibility that you may have an allergic reaction to the drugs used

Less common side-effects include

- headaches
- leg weakness
- numbness of the legs

Very rare side-effects include

- nerve-damage
- spinal cord damage
- infection



Patient Information

This could result in permanent neurological problems including paraplegia (inability to feel or move the lower half of the body).

Before the procedure

- You will have the treatment as a day case.
- You will be sent an appointment to attend the surgical day unit at University Hospital Coventry & Warwickshire NHS Trust in Walsgrave.
- You should arrange for someone to drive you home after the procedure
- Your stay may vary between two to four hours
- Please bring a list of your current medications with you. If you are on medicines such as Warfarin or clopidogrel please do inform the doctor at your clinic appointment. After liaising with the doctor, these blood thinning medicines need to be temporarily stopped prior to the procedure. If you are on warfarin you will have to undergo a blood test in the morning to ensure your blood clots normally.
- You will be asked to undress and put on a theatre gown (you can leave your underwear on)
- Your doctor will discuss the procedure with you and ask you to sign a consent form. As the procedure may involve the use of x-rays, female patients will be asked for details of their last menstrual period. If there is any possibility that you may be pregnant please inform the doctor or nurse.

The procedure

- The procedure may be carried out under x-ray screening. This allows the doctor to treat the affected area.
- Once you are in the correct position the doctor will clean your back with an antiseptic solution which may feel cold.
- A local anaesthetic will be injected at the site of the procedure. This may sting initially before the skin goes numb.
- It is important that you keep still during the procedure as the epidural needle will be carefully inserted into a delicate space. When the epidural injection takes place you may feel a pushing sensation or some discomfort. When x-ray is used, a contrast (a solution which shows up under x-ray) is injected.
- The local-anaesthetic and steroid will then be injected into the epidural space and a feeling of tightness may be felt.
- A small dressing will be placed over the needle insertion site. This can be removed in the evening.

Patient Information

Following the procedure

- After the procedure you will be taken to an area to recover.
- You will be asked to lay on the trolley for a short period and the nursing staff will assist you to sit up
- The nursing staff will observe you before going home.
- Please be careful when you first get off the trolley – ensure you are steady on your feet.
- Take your regular medication and pain killers as normal.
- There can be an initial increase in discomfort before you start experiencing the pain relief. Rarely, you may also develop a severe headache. During this period, you may need to increase your pain killers or require stronger pain killers. Please see your GP if current pain medicines are inadequate.
- A letter will be sent to your GP and a further appointment at the pain clinic will be sent to you.

Please ensure that you have arranged for someone to drive you home after this procedure.

The information in this leaflet is not intended to replace your doctor's advice. If you require more information or have any questions, please speak to your doctor prior to the consent for the procedure.

The Trust has access to interpreting and translation services. If you need this information in another language or format please contact the pain management secretaries on 024 7696 5880 and we will do our best to meet your needs.

The Trust operates a smoke free policy

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