

**INTRAMEDULLARY** means '*within the bone*'.

An intramedullary nail is usually used to align and stabilise breaks (fractures) in a bone.



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## Leg Lengthening Using PRECICE Intramedullary Limb Lengthening System



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If you have any questions, please don't hesitate to contact a member of the Paediatric Limb Reconstruction Service on:

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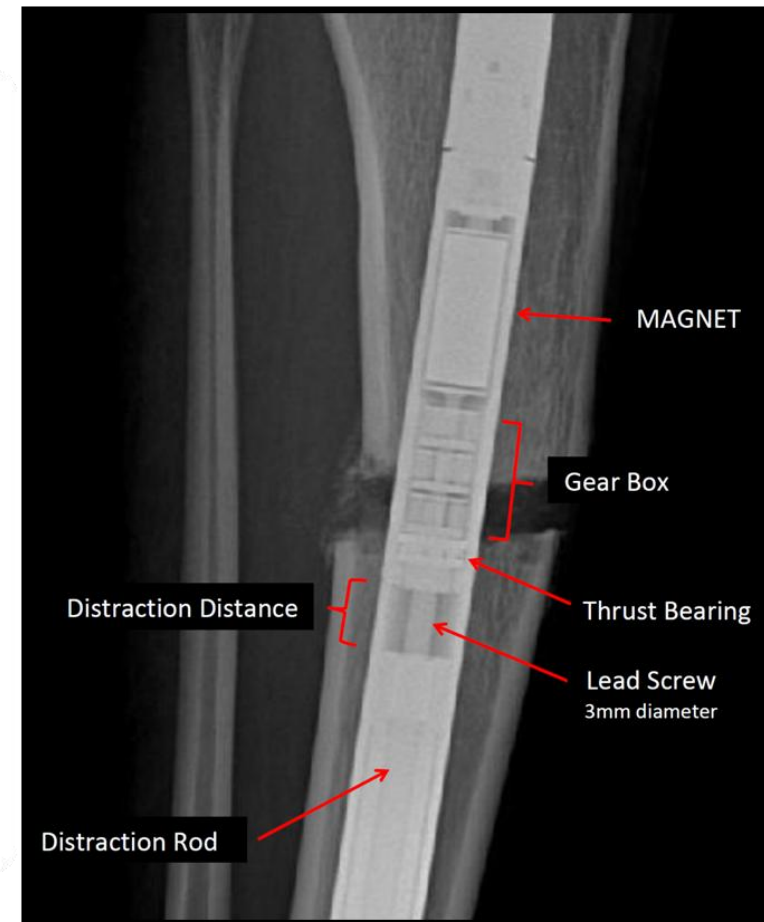
Information adapted from:

<http://ellipse-tech.com/precice-limb-lengthening-technology/>

The **PRECICE NAIL** is an intramedullary nail that is used to lengthen your leg.

The nail contains two magnets which are moved using a control unit. The movement of the magnets moves your bone.

You will have an operation to make a surgical break in your bone (osteotomy) and, implant the nail into your bone



Once the **PRECICE NAIL** is in place you will lengthen your leg in very small stages every day, using a remote control that you hold over the implant ...



When your leg has got to the decided length, the **PRECICE NAIL** needs to stay in place while new bone grows. This stage is known as '*consolidation*'.

It is important that you do any exercise's the physiotherapist has given you, as these will encourage your new bone to develop.

However, you mustn't bear weight through the leg that is being lengthened until you are told to do so.

While the nail is in place you will visit your doctor in the out-patients clinic regularly. You will have x-rays taken to monitor the lengthening and bone growth.

You will need another operation to remove the **PRECICE NAIL**. This is usually around twelve to eighteen months after it is put in.