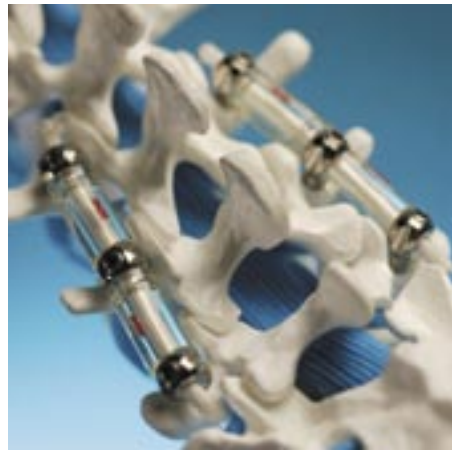


## The history of Dynesys

- 1991** Start of Dynesys project development
- 1994** First implantation
- 1999** European product launch
- 2005** More than 13,000 implantations to date



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**Dynamic Neutralisation System**  
for the Spine

## What is Dynesys?

Degenerative changes in the lumbar spine resulting in back and/or leg pain are usually given non operative treatment for as long as possible. In previous years when such treatment no longer provided relief, permanent fusion of the vertebral segments has been the only answer.

### Dynesys:

Dynamic Neuatralisation System for the Spine

Dynesys offers an alternative to fusion, that allows some motion. It is also potentially reversible if necessary.

The system consists of screws and spacers, connected by a stabilising cord.



## Dynesys Surgery

The surgery will take place under general anaesthetic or by epidural anaesthesia to the spine.

Either one or two skin incisions will be made on your lower back, depending on the most suitable surgical approach, this will be explained by your surgeon.

The muscles are parted from the spine and titanium screws are then placed into the vertebrae. Spacers will be placed between the screws to relieve your symptoms and then a stabilising cord will be passed through the screws and the spacers, then tensioned appropriately.

Most patients are mobilised within 48 hours of surgery (dependent on individual circumstances), and will usually be entered into a physiotherapy programme in order to gain maximum benefit from the Dynesys surgery.



## Dynesys X-rays



NB: Spacers and cord do not appear on the x-ray, so it looks like only screws have been used.

**Dynesys: Re-stabilise and re-align the segments in a physiological position and neutralise excessive forces, this is the “Dynamic Neutralisation”**