

Low-intensity pulsed ultrasound to promote healing of fresh fractures at high risk of non-healing

Information for the public

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This procedure can only be done as part of a research study. This is because there is not enough evidence to be sure how well it works and how safe it is to promote healing of fresh fractures (broken bones) at high risk of non-healing.

Fractures can take many months to heal. This procedure involves daily treatment (usually for about 15 to 20 minutes), using an ultrasound probe that is placed on the skin at the site of the fracture. The aim is to speed up fracture healing by stimulating bone cells to grow and repair.

NICE's information on [interventional procedures guidance](#) has more about what a procedure is and how we assess them.

Is this procedure right for me?

If you've been offered this procedure, your healthcare professionals should discuss with you what is involved, and explain the research study, and tell you about the risks and benefits. They should talk with you about your options, and listen carefully to your views and concerns. Your family can be involved too, if you wish. All of this should happen before you agree (consent) to have the procedure and to be in the study. You should also be told how to find more information about the procedure. Read more about [making decisions about your care](#).

Some questions to think about

- What does the procedure involve?
- What are the possible benefits? How likely am I to get them?
- What are the risks or side effects? How likely are they?
- What happens if the procedure doesn't work or something goes wrong?
- What happens if I don't want the procedure? Are there other treatments available?

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