

Irreversible electroporation for primary liver cancer

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.

Primary liver cancer starts in the liver, unlike secondary cancer that has spread from another part of the body. In this procedure, single-use needles are inserted into the liver. Short electrical pulses of high-voltage current are passed between the needles to create tiny holes (pores) in the cancer cells (irreversible electroporation). The aim is to kill the cancer cells without damaging the structure of the liver.

The [NHS website](#) may be a good place to find out more. NICE's information on [HealthTech 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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