

Artificial intelligence (AI)- assisted echocardiography analysis and reporting to support the diagnosis and monitoring of heart failure

Information for the public

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NICE has said that the following artificial intelligence (AI) technologies can only be used as part of a research study to analyse echocardiography images and report the results to support heart failure diagnosis and monitoring:

- EchoConfidence
- EchoGo Heart Failure
- Ligence Heart
- Us2.ai.

Echocardiography detects problems in the heart's chambers and valves. It measures blood flow and how well the heart pumps blood. These AI technologies help healthcare professionals analyse echocardiography images and report the results to support the diagnosis and monitoring of heart failure.

Is this treatment right for me?

Your healthcare professionals should give you clear information, talk with you about your options and listen carefully to your views and concerns. Your family can be involved too, if you wish. See [our webpage on shared decision making](#).

Questions to think about

- How well does it work compared with other technologies for analysing echocardiography images and reporting the results?
- What are the risks of using these technologies? How likely are they?
- What happens if I do not want healthcare professionals to use AI-assisted analysis and reporting to help diagnose or monitor my heart failure?
- Can I choose where to have the echocardiography? Can I have it at my local clinic or hospital?
- How long will the echocardiography take?
- How do I get my echocardiography results? Will there be a follow-up appointment?

Information and support

The [NHS webpage on heart failure](#) may be a good place to find out more.

These organisations can give you advice and support:

- [British Heart Foundation](#), 0300 330 3322
- [Cardiomyopathy UK](#), 0800 018 1024
- [Pumping Marvellous](#), 01772 796542

You can also get support from your local [Healthwatch](#).

NICE is not responsible for the quality or accuracy of any information or advice provided by these organisations.

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