

## Cardiology

# Ventricular tachycardia (VT) and catheter ablation with vCLAS™

### Ventricular tachycardia (VT)

Ventricular tachycardia (VT) is a heart rhythm disorder. VT is caused by abnormal electrical circuits in your heart's lower chambers (ventricles).

This causes your heart to beat too quickly.

This can cause symptoms such as:

- palpitations
- dizziness
- fainting
- cardiac arrest (heart stops beating) in severe cases

### Catheter ablation

Catheter ablation is a procedure for patients who have recurring episodes of VT. Doctors place catheters (small, flexible tubes) into your heart. They do this to find and alter the abnormal electrical circuits that cause VT.

The ablation part of this procedure is when hot or cold energy is sent through a catheter to your heart. The energy creates precise lesions that alter the abnormal circuits. Altering the abnormal circuits aims to stop what causes your symptoms.

### What is a vCLAS™ catheter?

The vCLAS™ catheter is a new device that we use in this procedure. It uses cold energy called “cryo” in a process called “ultra-low temperature cryoablation” (ULTC). This helps us create safe and effective lesions.



## Patient Information

### New device

The vCLAS™ catheter uses the latest technology. Research shows that the number of successful outcomes using this device are the same or greater than other catheters. A successful outcome is a reduction in repeat episodes of VT.

### Benefits of using vCLAS™ catheters

We use vCLAS™ catheters for VT treatment because:

- vCLAS™ gives your doctor good control over the energy sent to your heart. This helps your doctor control the size of the lesion used to alter the abnormal circuits.
- vCLAS™ gives your doctor the ability to deliver deep lesions. They may need to do this if the abnormal circuits lie deeper in your heart.

### Risks

VT catheter ablation carries a number of risks. Your doctor will explain the risks to you before you consent to this procedure. Please ask your doctor if you have any questions or concerns.

A study of the vCLAS™ catheter found that it offers similar safety when compared to other catheter devices, with no reports of major adverse events.

The Trust has access to interpreting and translation services. If you need this information in another language or format, please contact 02476 964794 and we will do our best to meet your needs.

The Trust operates a smoke free policy.

Information in this leaflet was adapted from information kindly provided by Adagio Medical™.

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#### Document History

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