



Information for patients with an Abbot Freestyle Libre Continuous Glucose Monitor undergoing an MRI scan

You have been scheduled for an MRI scan.

As you use an Abbott FreeStyle Libre Continuous Glucose Monitor (CGM), there are some important information and potential risks you should be aware of before your scan.

Safety guidance

This guidance applies to Abbott FreeStyle Libre Continuous Glucose Monitor sensors (Libre 2, Libre 2 Plus, Libre 3, and Libre 3 Plus) only.

In the USA, wearing a FreeStyle Libre CGM sensor has been approved as safe when undergoing an MRI scan, as long as specific scanning conditions are followed.

The sensors used in the UK and Europe are identical to those from the United States; however, MRI safety

labelling in the UK and Europe has not yet been updated to reflect the most recent guidance.

Based on the available United States guidance, the Royal Berkshire NHS Foundation Trust has deemed it safe for patients wearing Abbott FreeStyle Libre 2/2+ and 3/3+ sensors to undergo an MRI scan without the need to remove the sensor, provided the United States based technical MRI safety conditions are followed. These will be implemented by the radiographers responsible for your scan.

However, there are still some possible risks that you need to be aware of.



Potential risks of wearing a FreeStyle Libre CGM sensor during an MRI scan

- There is a small risk that the CGM sensor may become dislodged during the scan.
- The strong magnetic field in the MRI may cause the CGM sensor to stop working.
- MRI scans can cause the CGM sensor to heat up, which may lead to warmth or, in rare cases, a burn. Your scan will be performed using MRI settings that will minimise this risk, which is considered low.

Managing your diabetes during the scan

- The CGM sensor may give inaccurate glucose readings during the MRI scan and for up to one hour after the scan. You should not rely on sensor readings to manage your diabetes during this time.

- After one hour, the sensor readings should return to normal, and you may resume using the device as usual. If you do not have an alternative way to check your blood glucose levels during this time (e.g. finger-prick test) and this may cause difficulty, please contact 0118 322 7991 so your MRI appointment can be rescheduled.
- If you use an insulin pump or insulin infusion pump, this must be removed before entering the MRI scanner room.

Questions or concerns

If you have any questions or concerns, please discuss them with your referring clinician or a radiographer before your scan.

Contact us

Radiology Department 0118 322 8368 or email rbft.radiologyadmin@nhs.net

To find out more about our Trust visit www.royalberkshire.nhs.uk

Please ask if you need this information in another language or format.

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