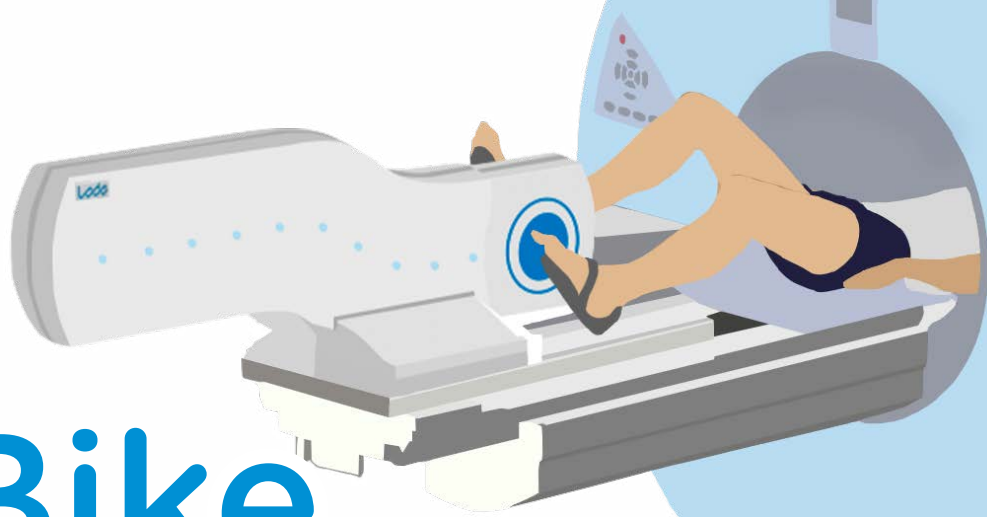


Project MRI Bike

Supporting adult heart patients **for life.**



What is the MRI Bike?

With your help, Children's Heart Surgery Fund can purchase an **MRI Bike** for the Leeds Congenital Heart Unit. This revolutionary equipment will be used:

- In **cutting-edge research** as well as **clinical treatment** of patients with congenital heart disease (CHD).
- As the **first of its kind in the UK** to undertake research with advanced imaging techniques looking at **how the heart functions during exercise.**

The bike attaches to an MRI machine, and provides **additional diagnostic information** which can prove both **life-changing and life-saving** for the thousands of teenage and adult patients in our region with CHD.

Why is it needed?

✓ IMPROVED CARE

Early changes in the heart noted during MRI exercise bike scans will result in patients being **treated earlier** and patients' **hearts will work well for longer.**



✓ GROUND-BREAKING RESEARCH

Clinicians will be able to conduct **new research** about the hearts of patients with congenital heart disease during exercise, using **innovative techniques.**



✓ TACKLING OBESITY

Scans will show patients the positive effects that **weight loss** has on the heart. This information can **reduce anxiety** around exercise and be a powerful motivator to **become more active.**

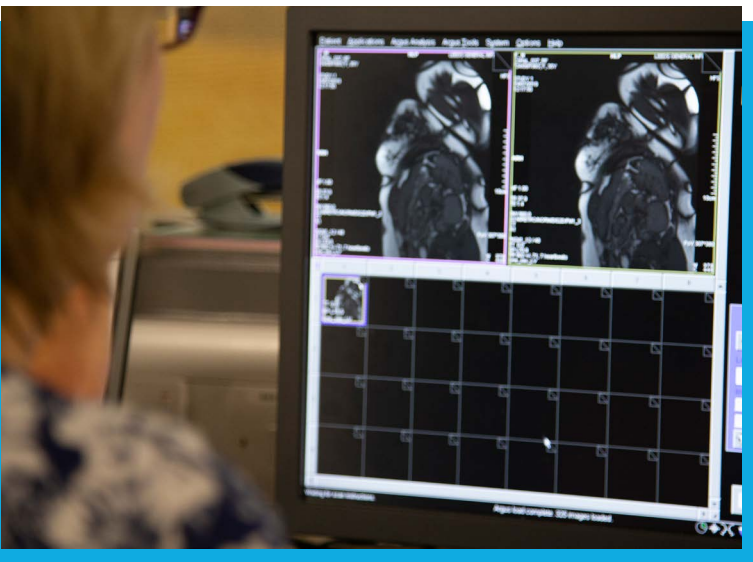


✓ CENTRE OF EXCELLENCE

Research findings will be shared, with the potential to influence practice nationally and internationally.

The use of the MRI bike will enhance the reputation of Leeds Congenital Heart Unit as a centre of excellence in the treatment of patients with CHD.





Watch the MRI Bike in action.



From the expert...

MRI under exercise is a new way to image the heart and blood vessels, providing vital additional information about the heart.

It has many extra advantages over current imaging methods, allowing us to produce more comprehensive assessments of how well the heart works.

Building an exercise MRI service will allow us to undertake important work gathering detailed assessments of the heart during exercise. Ultimately, helping to save lives and improve outcomes for patients with heart defects, now and in the future.

Dr Malenka Bissell Clinical Lecturer in Paediatric Cardiology



DID YOU KNOW?

There are more adults living with CHD now than children.

Numbers will keep growing as survival through childhood improves.

HOW YOU CAN HELP.

By making a donation towards the MRI Bike you will be helping CHD patients now and for years to come.

Give today and make a difference at
www.justgiving.com/campaign/mri-bike

THANK YOU



**CHILDREN'S
HEART SURGERY
FUND**

Supporting hearts for life.

You can find out more about the work CHSF does by **watching this video**

Registered charity 1148359