

Surgeon: And you know I was discussing with your dad earlier about the **cyst** that you've got just here and about the electrical activity that was coming from here. Well, we've decided that what we're gonna do and we're just gonna go for the cyst.

Thomas Moore: His head bandaged to protect the electrodes **monitoring** his brain activity, Bradley Martin meets the surgeon who'll remove an abnormal **growth** from inside his head. **Cutting out** the cyst could cure his epilepsy.

Bradley: I'm not nervous, 'cos like, I know the surgeons in there, like top surgeons in the world. So I'm not nervous.

Bradley's father: He goes mountain biking, it's always a terrible worry for us, you know he might have an episode while he's cycling quickly, so to be able to get free is a wonderful thing.

Moore: It's a risky operation but one made far safer by this high-tech operating theatre at Alder Hey hospital in Liverpool. By linking Bradley's brain scan to his position on the operating table, surgeons build a 3D map that helps them to safely navigate to the abnormal tissue and then remove it. And to be sure it's all gone, Bradley is **wheeled** next door into an **MRI** scanner along with his **drips** and the monitoring equipment. It's the only **setup** of its kind in Europe. He's still anaesthetised and his brain is only **loosely** covered.

Surgeon: It gives us then instant feedback and enables to then let the parents know immediately what we've been able to perform which is very reassuring for me and for them and it means from the child's point of view that he wouldn't need to have a second anaesthetic and it's all done **in one go**, and it just gives us fantastic, immediate information.

Moore: The scan suggests there may be some abnormal tissue left behind.

Surgeon: Because the **wound** is still open we can go straight back into **theatre** and we can just then take away this little bit of tissue and then, after that, the scan will be completely **clear**.

Moore: But a senior radiologist says it's only **harmless** fluid, Bradley can be wheeled back into theatre and **stitched up**.

Surgeons are also using the setup to safely remove brain tumours, Leave just a few cancerous cells behind during an operation and the tumour will re-grow. Surgery will have been for nothing. But by using the scanner, they can be sure the whole tumour has been cut out. Surgeons are confident the operation has been successful. If the cyst was the cause of Bradley's epilepsy, he should now be cured and he can get back on his mountain bike.

Thomas Moore, Skynews.

a cyst = un kyste

monitoring = surveillance

a growth = une grosseur, une tumeur

cut out = enlever, retirer

wheel = transporter

MRI = IRM

a drip = une perfusion

a setup = une installation

loosely = grossièrement

in one go = en une fois

a wound = une plaie

a theatre = un bloc opératoire

clear = sain

harmless = sans danger, bénin

stitch up = suturer