

What is the MELD Project?



Epilepsy Multi-Centre



Detection Lesion

PROJECT

We've been working with: 22 epilepsy centres worldwide 1000 participants 100 Epilepsy clinicians and researchers

We are using MRI images, clinical information and artificial intelligence (AI) to find hidden brain abnormalities in patients with epilepsy caused by FCD

...BUT HOW DOES IT WORK?





Anonymised MRI data from 1000 patients is given to our Al

The AI can now take a new patient's MRI data and produce a patient report that suggests to the radiologist where in the brain an FCD might be



After processing the data, the AI is able to detect the part of the brain that is causing the seizures - the FCD.

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ANONYMISED MRI SCANS FROM PATIENTS WITH FOCAL EPILEPSY



Once the AI has interpreted the results, we're hoping to be able to answer these four questions when looking at a new patient's data.





wellcome



What next for the MELD Project?

In the future, we hope we'll be able to take these two datasets:



https://meldproject.github.io/