

## Quiz – Imaging

### Magnetic resonance imaging as a tool to examine the brain pathology

1. Which method of magnetic resonance (MR) imaging is indicated in the given image?

- a) Diffusion-weighted imaging (DWI)
- b) MR spectroscopy
- c) MR arteriography
- d) MR venography



Figure 1. Magnetic resonance imaging image

2. A patient with a hemorrhagic stroke. Determine the stage of the hematoma:

- a) Hyperacute
- b) Acute
- c) Subacute
- d) Chronic

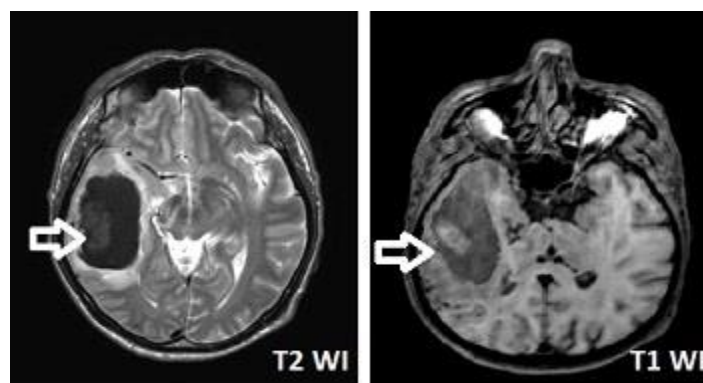


Figure 2. Magnetic resonance imaging image

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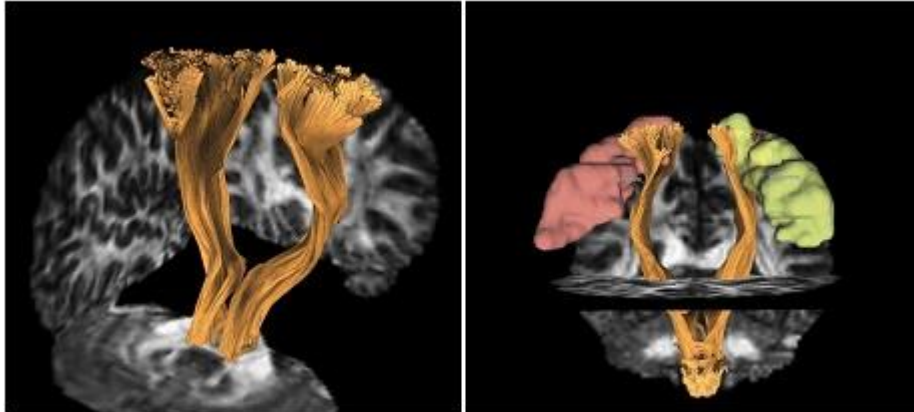
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**3. Which method of investigation is shown in the image?**

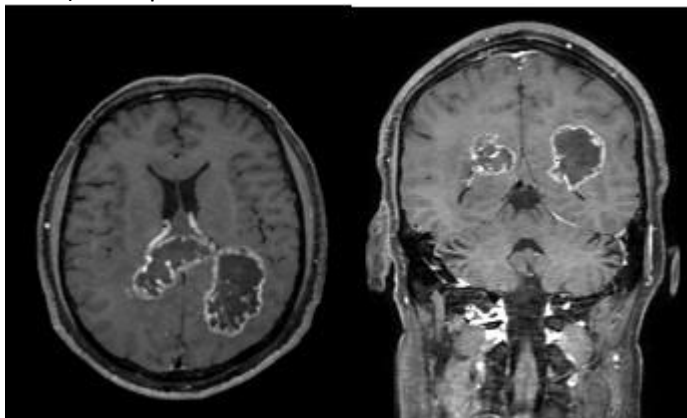
- a) MR tractography
- b) MR spectrography
- c) MR perfusion
- d) Functional MRI



**Figure 3. Magnetic resonance imaging image**

**4. Identify the investigation method used in the given image below?**

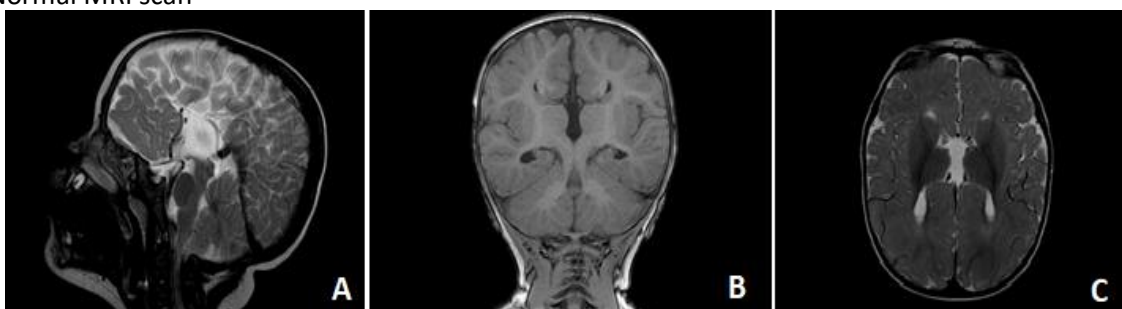
- a) Contrast-enhanced MRI
- b) Brain MRI
- c) MR spectrography
- d) MR perfusion



**Figure 4. Magnetic resonance imaging image**

**5. Identify the pathology shown in the given image below:**

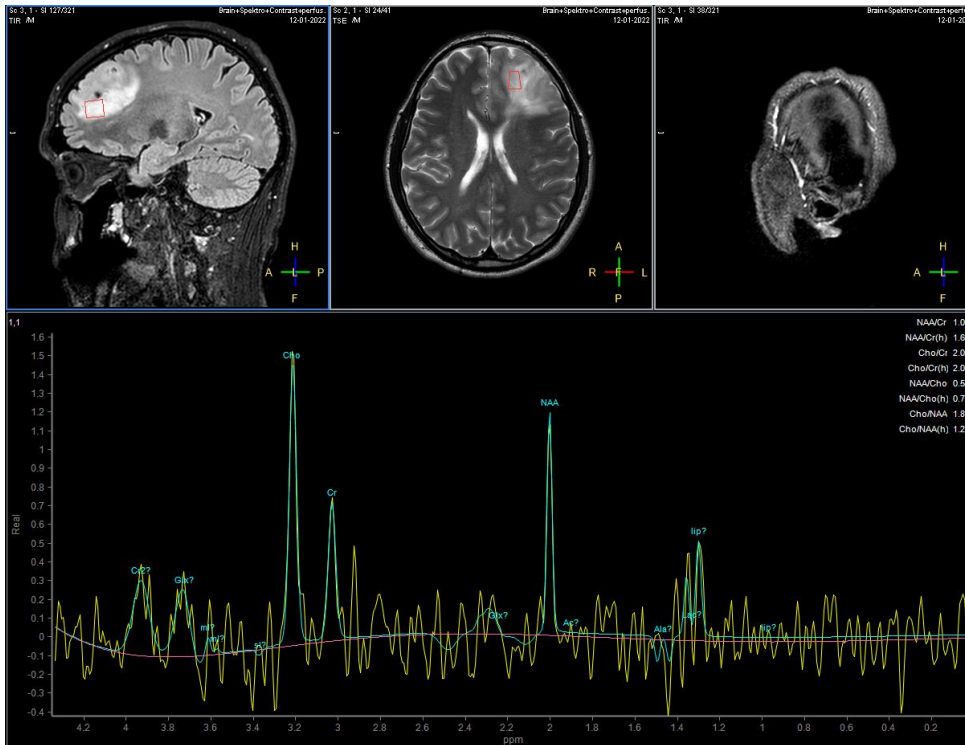
- a) Corpus callosum agenesis
- b) Hypoplasia of the corpus callosum
- c) Pericallosal lipoma of corpus callosum
- d) Normal MRI scan



**Figure 5. Magnetic resonance imaging image**

**6. Which method of investigation is used in the given image?**

- a) Contrast-enhanced MRI
- b) MRI spectroscopy
- c) Tractography



**Figure 6. Magnetic resonance imaging image**

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