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

2. A patient with a hemorrhagic stroke. Determine the stage of the hematoma:
   a) Hyperacute
   b) Acute
   c) Subacute
   d) Chronic

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Received: 03.02.2022 Revised: 20.02.2022 Accepted: 21.02.2022
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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](image1)

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](image2)

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](image3)
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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Peer-review: External
Conflict of interest: None to declare
Authorship: A.K., K.I., G.A., A.A., Ch.T., A.A. are equally contributed to preparation of article
Acknowledgement and funding: None to declare