



Images in Neuroscience: Question

Intracranial haemorrhage with a twist

Vini G. Khurana^a, Robert J. Spinner^{b,*}, Eelco F.M. Wijdicks^c, Bernd W. Scheithauer^d^a Department of Neurosurgery, Royal Melbourne Hospital, Victoria, Australia^b Department of Neurologic Surgery, Mayo Clinic, Rochester, Minnesota, USA^c Department of Neurology, Mayo Clinic, Rochester, Minnesota, USA^d Department of Laboratory Medicine and Pathology, Mayo Clinic, Rochester, Minnesota, USA**1. Clinical background**

A 55-year-old, previously healthy male train conductor with a history of migraines developed a gradual-onset left temporal headache while at work, followed by new-onset word-finding difficulty. During helicopter transfer from a small regional emergency department to a tertiary referral hospital, the man's aphasia worsened, and he became densely right hemiplegic and somnolent. After emergent intubation and hyperventilation with concomitant intravenous administration of mannitol, he was taken to the operating room for a definitive procedure. His admission blood tests and routine coagulation profile were found to be normal. Representative images from his initial brain CT scan and the subsequent

scan carried out upon arrival at the tertiary referral hospital, approximately four hours after onset of his word-finding difficulty, are shown (Fig. 1).

2. Which of the following is the most pertinent investigation?

- A. Haematoma evacuation and histology
- B. CT chest/abdomen/pelvis scan
- C. CT arteriography
- D. Magnetic resonance venogram
- E. Magnetic resonance perfusion imaging

Answer page 631.

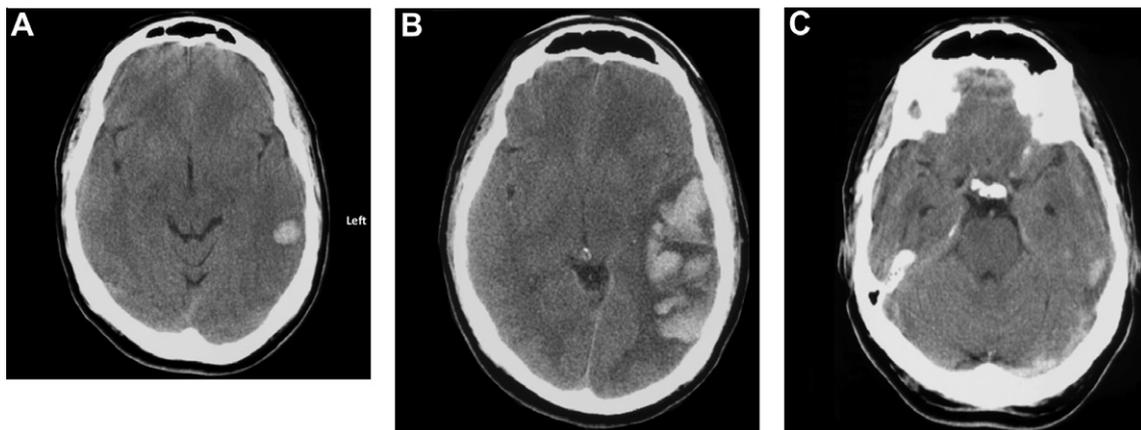


Fig. 1. Axial non-contrast brain CT scans obtained (A) at initial presentation to the peripheral hospital and (B, C) approximately four hours later upon admission to a tertiary referral hospital.

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* Corresponding author. Present address: Mayo Clinic, 200 First Street SW, Rochester, Minnesota 55905, USA. Tel.: +507 284 2511; fax: 507 284 5206.

E-mail address: spinner.robert@mayo.edu (R.J. Spinner).