

## ELECTROCARDIOGRAPHIC CASE

# DIFFERENTIAL DIAGNOSIS OF ELECTROCARDIOGRAPHIC CHANGES IN ALTERED MENTAL STATE

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### CASE HISTORY

An 88-year-old Chinese lady presented to the Emergency Department with a history of fall two days before she was seen. She was unable to eat or talk one day before she was seen and was unable to walk on the day she was seen. Her only significant past medical history was a right hemiparesis from a cerebrovascular accident three months ago. CT scan done then showed an infarct in the posterior limb of the left internal capsule.

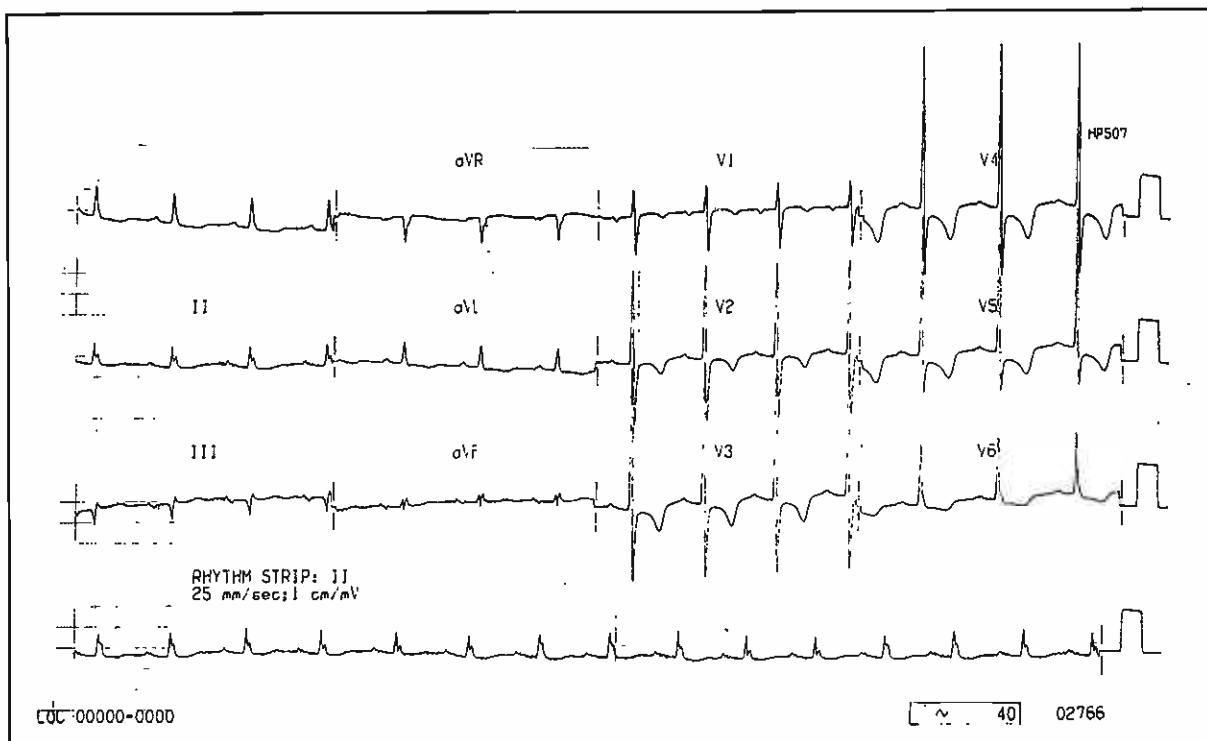
On examination, she was conscious. Her Glasgow Coma Scale was Grade 13-14/15 (E4 M5-6 V4), pulse rate 84/min, blood pressure 135/69 mmHg and body temperature 36.2°C. She had a left occipital haematoma. Both her eyes were deviated to the right. She had a right upper motor neuron palsy and hemiparesis over her right side.

Fig 1 is the 12-lead ECG done in the Emergency Department

What is the diagnosis? Answer on page (571-572)

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Fig 1 – 12-lead electrocardiogram done in the Emergency Department



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