

A rare case of subdural empyema following covid infection

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Subdural empyema is a serious intracranial infection with collection of purulent materials located between the Dura mater and arachnoid mater space and in most cases, prompt evacuation of the pus collection is essential. It is often one-sided and tends to spread rapidly through the special boundaries around the brain. The incidence of the infection is more common in men, with 80% of the reported cases. Nearly two-thirds of patients are aged between 10 and 40 years.

Global cases of the Covid-19 respiratory illness caused by the SARS-CoV-2 have surpassed 131 million, with a death toll currently at a devastating number of >2.4million. This pandemic has implications for all areas of medicine. The reported neurological cases of Covid-19 infection include encephalopathy and encephalomyelitis, ischemic stroke and intracerebral haemorrhage, anosmia and neuromuscular diseases. Here, we are going to discuss a case of acute subdural empyema one week after Covid-19 infection presenting at the William Harvey Hospital Ashford, Kent.

A 49 year old male presented with severe headache from early morning which gradually worsened during the day. There was no trauma preceding the event. Headache was associated with several episodes of vomiting and fatigue and did not respond to over the counter pain killers.

Patient normally fit and well, Ex-smoker, No Known allergies, no regular medications prior to hospital admission. He lives with wife, works in IT, using no recreational drugs.

He was diagnosed with Covid -19 infection 10 days prior to admission after feeling generally unwell with cold-like symptoms. These symptoms improved after a week and patient did not require any hospital admission for COVID.

Biography

Mustafizur Khan has completed PhD. He is working in East Kent University Hospitals Foundation Trust.

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