From the outset we maintained a broad differential. Given the presenting features, stroke, encephalomyelitis and Covid-19 infection were at the forefront of our differential. She was empirically treated with IV acyclovir, ceftriaxone and dexamethasone while awaiting results of lumbar puncture. Following diagnosis she continued on acyclovir alone. This patient gradually recovered with no residual symptoms although she reported retrograde amnesia of her initial presentation. Follow up MRI showed a resolving process.

Discussion

Herpes Simplex virus (HSV) is responsible for 19% of cases of infectious encephalitis.[1] It represents significant morbidity and mortality to patients with a one year mortality rate of 14%.[2] Typically, patients present with symptoms of fever, headache and confusion although speech disturbance can be seen in 57% and focal neurological deficit in 26% of cases.[3] Encephalitis is a known mimic of stroke and atypical presentations can often be misdiagnosed. In some cases this has led to inappropriate treatment with alteplase and in others misdiagnosis can lead to delay in initiating appropriate treatment.[4]

The emergence of Covid-19 has further confounded this area. Neurological manifestations of Covid-19 can be seen in up to 25% of patients.[5] On MRI, unilateral medial temporal lobe oedema, a recognised finding in HSV encephalitis, has been demonstrated in patients with Covid-19 in the absence of HSV.[6] This overlap in features risk delay in initiation of correct treatment for patients.

We feel this case is of particular interest as it highlights the importance of maintaining an open mind when managing a patient who has an atypical combination of symptoms particularly in the context of the current pandemic.

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corticosteroids to reduce airway oedema. Following 24 hours the patient improved clinically, and flexible nasoendoscopy revealed resolution of supraglottic oedema. The patient was discharged with a five day course of oral dexamethasone.

Laryngotracheobronchitis, commonly referred to as croup, is an upper respiratory tract infection, almost exclusively seen in the paediatric population. It commonly presents with fever, “barking” cough, stridor, dyspnoea, and hoarseness. Adult croup is more severe than in the paediatric cohort, and often requires aggressive treatment and longer hospital stays. Direct evidence of oedema, and the typical “steeple sign” feature on x-ray, which represents subglottic narrowing, is more commonly found in adults. The most common pathogen amongst children is Parainfluenza virus type-1, however RSV and adenovirus are also commonly isolated. In adults culprit organisms leading to croup include Parainfluenza, Haemophilus influenzae, Influenza, Streptococcus, and RSV. Mainstay therapy is guided by severity of symptoms. Humidified oxygen, corticosteroids and nebulised adrenaline are all recommended in moderate to severe croup in children. In adults there are no formal recommended treatments, however all reported cases have used a combination of treatments recommended in paediatric croup.

COVID-19 infection, caused by SARS-CoV-2 virus has infected over 200 million people, resulting in over 4 million deaths worldwide to date. The majority of healthy individuals are thought to remain asymptomatic, however those presenting with symptoms related to COVID-19 typically experience fever, cough, and loss of taste and smell. In more severe cases respiratory compromise may occur, requiring invasive respiratory support. There is very little evidence in the literature of upper airway oedema related to infection with COVID-19, with only 4 reports of croup in COVID-19 positive children. To date there are only two documented cases of COVID-19 related laryngotracheobronchitis in adults. Despite the relatively indolent clinical course of the patient herein described, timely diagnosis and early intervention could prove to be critical in preventing airway compromise in patients presenting with COVID-19 infection of the upper respiratory tract.

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MELANOMA: MORE THAN SKIN DEEP

Editor,

Melanoma is the 5th most common cancer in the UK, with approximately 40 people receiving a new diagnosis daily. It is deemed the most serious of skin cancers due to its propensity to metastasise widely, which can affect all organ systems including the gastrointestinal tract (GIT). We present three cases of metastatic melanoma who presented with gastrointestinal (GI) symptoms within a three month period to a tertiary centre.

A 72 year old man had a previous history of cutaneous melanoma, treated with wide local excision, three years prior to the current presentation. He presented with melaena, symptomatic anaemia and abnormalities of his small bowel were noted on CT abdomen. Upper GI endoscopy identified multiple small black tumour deposits (Figure 1A). Follow up MR enterography confirmed several small bowel lesions which were suspicious for metastatic disease. He subsequently developed small bowel obstruction secondary to intussusception and proceeded to have a small bowel resection. Three separate tumours were removed and histology confirmed metastatic melanoma.

A 66 year old man was referred to the GI outpatient service with symptomatic anaemia, intermittent change in bowel habit and weight loss. CT imaging identified an abnormal gallbladder mass. Subsequent MRI confirmed a 5.6cm mass arising from the gallbladder. Following laparotomy this was identified as a malignant melanoma. Whereas primary gallbladder mucosal melanomas have been reported they are extremely rare, and a metastasis was considered more likely.

A 75 year old man gave a history of melanoma removed by wide local excision from his anterior abdominal wall 15 years previously. He presented to the Emergency Department with melaena and iron deficiency anaemia was noted. Upper GI endoscopy was normal. CT imaging revealed thickening at the duodeno-jejunal junction. At enteroscopy an ulcerated tumour

Figure 1A Multiple small black deposits of metastatic melanoma in the gastric mucosa at endoscopy (Patient 1)