

782 A Rare Complication in A Post-Operative Bariatric Patient: COVID-19 Induced Mesenteric Venous Thrombosis

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Introduction: The emergence of severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) has provided enormous challenges in the delivery of surgical care. In addition to respiratory tract infections, coronavirus disease 2019 (COVID-19) is associated with both arterial and venous thrombotic complications.

Case Details: We present a case of acute superior mesenteric venous (SMV) thrombosis in a 36-year-old female patient who underwent Roux-en-Y gastric bypass three years previously. Her presentation with acute abdominal pain occurred 6 days after a positive nasopharyngeal swab. An admission CT scan demonstrated an abrupt cut off in the proximal SMV with resultant small bowel oedema. Subsequent thrombophilia screening and mutation testing for myeloproliferative neoplasms were all negative. She had also previously carried three pregnancies to term without any thrombotic complications. Hence, the high suspicion of acute COVID-19 induced mesenteric thrombosis.

Conclusions: In patients who have previously undergone Roux-en-Y gastric bypass and lost significant weight, acute abdominal pain normally raises a high suspicion of internal hernia. However, as the pandemic progresses surgeons need to be mindful of COVID-19 induced mesenteric thrombosis as a differential diagnosis during the workup of acute abdominal pain. This was well demonstrated on a CT scan with intravenous contrast.