

Acute Superior Mesenteric Artery Thrombosis Leading to Pneumatosis Intestinalis and Portal Venous Gas in a Young Adult after COVID-19 Vaccination

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Abstract : Hepatic portal venous gas (HPVG) is diagnosed via computed tomography due to unusual imaging features. HPVG, when linked with pneumatosis intestinalis, has a high mortality rate and requires urgent intervention. We present a case of a 26-year-old young adult with superior mesenteric artery thrombosis who presented with severe abdominal pain. He had a history of COVID vaccination (First dose of COVISHILED) 15 days back. On imaging, HPVG and pneumatosis intestinalis were seen owing to the urgent intervention of the patient. The reliable interpretation of the imaging findings along with quick intervention led to a favorable outcome in our case. Herein we present a thorough review of the patient with a history of COVID-19 vaccination with superior mesenteric artery thrombosis leading to bowel ischemia and hepatic portal venous gas. The patient underwent subtotal small bowel resection.

Keywords : COVID-19 vaccination, SMA thrombosis, portal venous gas, pneumatosis intestinalis

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