A 52-year-old non-alcoholic man, with no medical history, presented to our hospital with epigastric pain, jaundice, and 5 kg weight loss. Vital signs were stable. Serum analyses revealed an elevated total bilirubin, direct bilirubin, aspartate aminotransferase, alanine aminotransferase, and a normal level of lipase (35 u/L). Ultrasound examination showed a moderately dilated intrahepatic and extrahepatic bile ducts with enlarged and heterogeneous head of the pancreas. Magnetic resonance imaging revealed diffuse parenchymal enlargement with effacement of the lobular contour of the pancreas and a capsule like was noted as a halo which is hypointense on both T1- and T2-weighted images [Figure 1, arrow]. The common bile duct (CBD) wall showed an enhancement during the late phase of contrast [Figure 2, arrow] consistent with cholangitis. On magnetic resonance cholangiopancreatography (MRCP), there was a mild dilatation of the intrahepatic bile ducts and a regular distal CBD stricture [Figure 3, arrow]. Therefore, the diagnosis of autoimmune pancreatitis (AIP) was suspected and a dosage of immunoglobulin (IgG4) antibody was requested and returned high. The patient was started on high-dose prednisone with significant improvement in his symptoms.

AIP was first described by Yoshida et al.,[1] in 1995, as a form of chronic pancreatitis associated with autoimmune manifestations. It is a rare but important differential diagnosis from pancreatic cancer (PC).[2] The disease can occur as alone or in association with autoimmune disorders including sclerosing cholangitis, rheumatoid arthritis, primary biliary
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The most frequent extrapancreatic lesions occur in the biliary tree with asymptomatic liver test abnormalities or jaundice. On imaging, biliary involvement commonly appears as multifocal biliary strictures similar to primary sclerosing cholangitis. Enhancement of the common biliary duct wall may be present in patients with AIP as it has been the case in our patient. The most sensitive and specific serum markers for AIP type 1 are IgG4 (≥135 mg/dL, sensitivity: 86%, specificity for AIP against PC: 96%), their level is elevated in AIP type 1 and normal in AIP type 2.

AIP can be treated with steroids and does not require surgery. Due to the similar characteristics with PC, sometimes, unnecessary surgical resection is performed. In these cases, the lymphoplasmacytic infiltrate characteristic of AIP has been observed in about 1/3 of the cases making it possible to correct the diagnosis.

**REFERENCES**


**How to cite this article:** Zamani O, Saouab R. Magnetic Resonance Imaging Findings in Autoimmune Pancreatitis and Cholangitis. J Clin Res Radiol 2018;1(2):1-2.