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## An unusual case of Graves' disease with primary sclerosing cholangitis (PSC)

Abdulrahman Mashi and Najj J Al Johani  
King Fahad Medical City, KSA

Graves' disease is an autoimmune thyroid disease with multi-system involvement. Its manifestations are diverse, including liver function abnormalities and association with other autoimmune disease. The objective of this report is to present an unusual case of Graves' disease with PSC. This is a 28 year old woman that present with cholestatic jaundice along with signs and symptoms of thyrotoxicosis. She diagnosed to have Graves' disease with PSC. Treatment with antithyroid agents and radioactive iodine in addition to ursodeoxycholic acid led to marked improvement in her clinical status and liver function results. With time her liver function worsens again. She then was referred to a liver transplant center. The proposed mechanisms underlying the association of Graves' disease with PSC are discussed and the literature on similar cases is highlighted. Both Graves' disease and PSC have been shown to be associated with other autoimmune mediated diseases. This case report shows an association between Graves' disease and PSC whether due to an underlying immune-genetic predisposition or coincidence. Further studies are needed to investigate this association.

### Biography

Abdulrahman Mashi has completed his MBBS degree from Jazan University Faculty of Medicine. He is an Internal Medicine Resident at King Fahad Medical City (KFMC), Riyadh, Saudi Arabia. He is a Member of Educational and Quality Committees at KFMC.

[ahmashi@kfmc.med.sa](mailto:ahmashi@kfmc.med.sa)

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