

2 Name of Journal: *World Journal of Radiology*

ESPS Manuscript NO: 22605

Manuscript Type: Minireviews

Radiological Interventions in malignant biliary obstruction

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Abstract

Malignant biliary obstruction is commonly caused by gall bladder carcinoma, cholangiocarcinoma and metastatic nodes. Percutaneous interventions play an important role in managing these patients. Biliary drainage, which forms the major bulk of radiological interventions, can be palliative in inoperable patients or pre-operative to improve liver function prior to surgery. Other interventions include cholecystostomy and radiofrequency ablation. We present here the indications, contraindications, technique and complications of the radiological interventions performed in patients with malignant biliary obstruction.

Key words: Biliary obstruction; biliary malignancy; biliary drainage; cholecystostomy; biliary interventions; interventional radiology

Core tip: Malignant biliary obstruction is a common cause of jaundice and frequently needs percutaneous radiological interventions as a part of pre-operative or palliative treatment. Various techniques are available for biliary drainage and tumor palliation. The indications, technique, advantages and complications of each

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