Management of Patients Who Have Undergone Hepatic Artery Chemoembolization

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Hepatic artery chemoembolization (HACE) has been a prominent ablative treatment since the late 1980s. It is used to suppress intrahepatic tumor growth in an effort to palliate symptoms and perhaps prolong survival (Stuart, 2003). HACE is indicated for malignancies, including hepatocellular carcinoma (HCC), primary carcinoid tumors, and metastatic disease of the liver. This article primarily will discuss HACE.

HCC is the fifth most common cause of all malignancies and causes about one million deaths annually (Yu & Keeffe, 2003). HCC is the third most common cause of cancer deaths in men and the seventh most common cause of cancer deaths in women (Yu & Keeffe). Surgical liver resection is the only cure for HCC; however, few patients are eligible to undergo this procedure. Hepatic artery chemoembolization (HACE) is a technique that delivers high concentrations of chemotherapeutic agents and blocks the blood supply to the liver for prolonged periods of time. HACE has demonstrated an overall increase in survival. The HACE procedure, pre- and postprocedure complications, and the care required by patients with HCC are critical for oncology nurses to understand.

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Risk Factors and Etiology of Hepatocellular Carcinoma

HCC is a disease of multifactorial etiology. The most important predisposing factor is cirrhosis (Desjardins, 2002). Other risk factors...