Metastatic hepatocellular carcinoma of the esophagus: an unusual cause of upper gastrointestinal bleeding

Hepatocellular carcinoma (HCC) is a hypervascular tumor that frequently metastasizes through systemic vessels or the portal system. Lung, adrenal gland and bone are the common sites of distant metastasis of HCC [1]. On the other hand, the incidence of gastrointestinal tract metastasis of HCC is typically low, with the stomach, duodenum and colon being the most commonly involved organs [2]. Esophageal metastasis is especially rare in patients with HCC [1]. The major symptoms of metastatic HCC of the esophagus include dysphagia and gastrointestinal bleeding [3–5]. Endoscopically, metastatic HCC of the esophagus may present as a submucosal tumor or a polypoid mass [3–5]. We report here a case of metastatic HCC of the esophagus, which presented as an oozing polypoid lesion at upper gastrointestinal endoscopy.

A 53-year-old man presented at our institution with a 1-day history of melena. His past medical history was notable for hepatitis-B-related cirrhosis and hepatocellular carcinoma. Physical examination revealed anemia, jaundice and a slightly distended abdomen with ascites. Laboratory data included a hematocrit of 22.9% (normal 42%–52%), a mean corpuscular volume of 100/fL (normal 80–94/fL), a total bilirubin level of 4.9 mg/dL (normal 0.2–1.2 mg/dL), and an albumin level of 2.2 g/dL (normal 3.8–5.3 g/dL). Prothrombin time was 16.4 s (normal 10–14 s) and α-fetoprotein was 17,036 ng/mL (normal < 13.4 ng/mL). Previous computed tomography of the abdomen demonstrated a spreading-type HCC in the left lobe of liver with portal vein tumor thrombi. Urgent upper gastrointestinal endoscopy showed small esophageal varices without red marks, and a 0.6-cm polypoid lesion with an oozing surface near the esophagogastric junction (Fig. 1). No ulcer or any other bleeding focus was found in the stomach or duodenum. We concluded that the polypoid lesion had bled and caused melena. Biopsy specimens were taken and argon plasma coagulation was performed for hemostasis. The histopathological assessment of the biopsy specimens demonstrated nests of tumors cells in a trabecular arrangement in the subepithelial region (Fig. 2a). Immunohistochemical staining revealed positivity for monoclonal antibody hepatocyte paraffin 1 (original magnification × 100).
gressive hepatic failure 1 month later, and autopsy was not permitted.

References

Bibliography
Endoscopy 2007; 39: 257–258
© Georg Thieme Verlag KG Stuttgart - New York - ISSN 0013-726X

Corresponding author
Y.-H. Hung, MD
Division of Gastroenterology, Department of Internal Medicine, Chang Bing Show-Chwan Memorial Hospital, No. 6, Lugong Road, Lugang Township, Changhua County 505, Taiwan, Republic of China
Fax: +886-4-7233190
yslendo2@yahoo.com