

Report of Glucagonoma in a Dog: Ultrasonographic Morphologic Imaging and Histopathologic Diagnosis

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Abstract : A 12-year-old female Terrier presented with lethargy, decreased appetite, melena, polyuria and polydipsia. On physical examination skin lesions including crusting, erythema and pupulopustular lesions, were observed mainly on the abdomen. Based on blood examinations, ultrasonography, necropsy and histopathological findings, the condition was diagnosed as superficial necrolytic dermatitis. Gross necropsy revealed hepatomegaly (severe vacuolar change of the hepatocytes) and a 5×5 mass adjacent to mesenteric lymph nodes which is finally diagnosed as tumor. Immunohistochemical analysis of the neoplastic cells revealed that the tumor was a glucagonoma.

Keywords : dog, glucagonoma, immunohistochemistry, tumor

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