

Case Report: Mucosal Associated Lymphoid Tissue Lymphoma (MALToma) of Small Intestine in a Cat

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ABSTRACT A 12-year-old spayed female Persian cat was referred to the National Taiwan University Veterinary Hospital with a history of nervous and respiratory symptoms, with three days anorexia before death. Serum biochemical examination revealed a slight increased alanine transaminase (ATL) and aspartate aminotransferase (AST) activity, and hypoalbuminemia. Thoracic radiographs showed a radiopaque, cotton-like image in the pulmonary parenchyma. At postmortem examination, the thickening of intestinal wall of jejunum-ileal junction was noted and mucosa had multifocal ulcerations. Histopathologically, a typical lymphoepithelial lesion with massive infiltration of lymphoid cells extending from the submucosa to mucosa in small intestine is observed. The destruction of basement membrane of the crypts and crypt infiltration by neoplastic cells are demonstrated by cytokeratin immunocytochemistry and PAS stain. Tumor cells are uniform in size, and mitotic figures are rarely seen. Additional changes included in excessive serosanguineous effusion in the thoracic cavity and microabscesses in bilateral lungs and heart dilation. Based on the characteristic features, mucosal associated lymphoid tissue lymphoma (MALToma) in the small intestine is diagnosed in this cat. ~[Tu YC, Zhuo YX, Ling CQ, Cheng CH, *Liu CH. Case report: Mucosal associated lymphoid tissue lymphoma (MALToma) of small intestine in a cat. *Taiwan Vet J* 31(2): 103-107, 2005. *Corresponding author TEL: 02-2363-3289, FAX: 02-2363-3289, E-mail: chhsuliu@ntu.edu.tw]

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