What’s Your Diagnosis?

**Patient Presentation:** 54-year-old man with abdominal fullness and discomfort.

**Studies Performed:** CT of the abdomen and pelvis.

**Finding:** Large 7 x 3.7 x 11.5-cm multilocular cystic retroperitoneal mass. The attenuation coefficient of the mass was in the +10 HU to 15 HU range. After intravenous contrast administration, there was no mass enhancement.

Diagnosis of retroperitoneal lymphangioma.

**Key Points:** Lymphangiomas are uncommon, hamartomatous, congenital malformations of the lymphatic system that involve the skin and subcutaneous tissues. They are benign, slow-growing lesions characterized by proliferating lymphatic vessels.

The most common sites are the head and the neck, followed by the proximal extremities, buttocks, and trunk. Other sites including the abdomen are seen only in 5% of cases.

Retroperitoneal lymphangiomas are rarer than abdominal lymphangiomas of mesenteric origin. They account for nearly 1% of all lymphangiomas and are uncommon incidental findings usually at surgery, autopsy, or lymphography.

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Case and images courtesy of www.auntminnie.com November 19, 2014

**3T MRI • 1.5T MRI • 1.2T Open MRI**

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