



HMB-45 Negative Solitary Mesenteric Lymphangiomyoma: A Case Report

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Abstract

Lymphangiomyomas are typically associated with lymphangiomyomatosis, a multisystem disease, affecting predominantly women in the reproductive period. We present a case of a 44 year old African American of the abdomen and pelvis showed a large left abdominal and pelvic mass encasing mesenteric vessels and causing displacement of the bowel loops to the right. Grossly, the specimen consisted of a segment of bowel with a 20 cm tan brown and cystic mass arising from the mesentery and containing milky fluid. The histological findings were typical of lymphangiomyoma and included ramifying network of lymphatic spaces lined by a single layer of endothelium surrounded by fascicles and bundles of abnormal smooth muscle-like cells (LAM cells), occasional lymphoid follicles, and congested vascular spaces. However, HMB-45 staining which is typically positive in the tumor cells was negative. Most commonly, this disease process involves the lungs, which were not involved in our patient. Extrapulmonary lymphangiomyomas are rare and mainly occur in the pelvis, mediastinum and retroperitoneum. The mesentery as an involved site of extra pulmonary lymphangiomyomas is an extremely rare location. Only four cases of mesenteric lymphangiomyomas have been described in the literature, of these two also had pulmonary involvement. Our case is unique in that it is not only the largest solitary mesenteric lymphangiomyoma, but it is also the first report of an HMB-45 negative lymphangiomyoma involving the mesentery.

Case Report

A 44 year old African American woman presented with pain in the left upper quadrant of the abdomen. The CT scan of the abdomen and pelvis showed a large left abdominal and pelvic mass encasing mesenteric vessels and causing displacement of the bowel loops to the right. Grossly, the specimen consisted of a segment of bowel with a 20 cm tan brown and cystic mass arising from the mesentery and containing milky fluid. The histological findings were typical of lymphangiomyoma and included ramifying network of lymphatic spaces lined by a single layer of endothelium surrounded by fascicles and bundles of abnormal smooth muscle cells (LAM cells), occasional lymphoid follicles and congested vascular spaces. However, the tumor cells were negative for HMB-45 staining. The tumor was diagnosed as a solitary mesenteric lymphangiomyoma. The patient had an uneventful postoperative course and has been free of recurrence till now.

Figure 1. CT Scan



Fig 1. Left abdominal and pelvic mass (blue arrow) 20 x 17.5 x 17 cm, displacing the bowel loops to the right.

Figure 2. Gross Pathology



Fig 2. A large cystic mass in the small bowel mesentery (blue arrow). The cut surface showed a cystic mass with abundant milky content in spaces.

Figure 3. Lymphangiomyoma, H & E (10x)

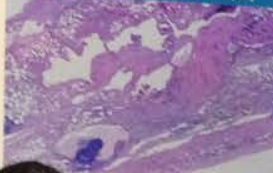


Figure 3 shows ramifying network of lymphatic spaces lined by a single layer of endothelium surrounded by fascicles and bundles of abnormal smooth muscle-like cells (LAM cells).

Figure 4. S. L.



Fig 4. S. The individual cells.

Figure 6(A)



Lymphangiomyomas are rare and mainly occur in the pelvis, mediastinum and retroperitoneum. The mesentery as an involved site of extra pulmonary lymphangiomyomas is an extremely rare location. Only four cases of mesenteric lymphangiomyomas have been described in the literature, of these two also had pulmonary involvement. Our case is unique in that it is not only the largest solitary mesenteric lymphangiomyoma, but it is also the first report of an HMB-45 negative lymphangiomyoma involving the mesentery.



Unexpected Findings Of A Young Sickle Cell Patient Who Died Suddenly

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Abstract

We present a 24-year-old male patient with sickle cell disease who died suddenly after receiving a blood transfusion. The patient had a long history of sickle cell disease and had been on chronic transfusion therapy. The patient had a long history of sickle cell disease and had been on chronic transfusion therapy. The patient had a long history of sickle cell disease and had been on chronic transfusion therapy.

Introduction

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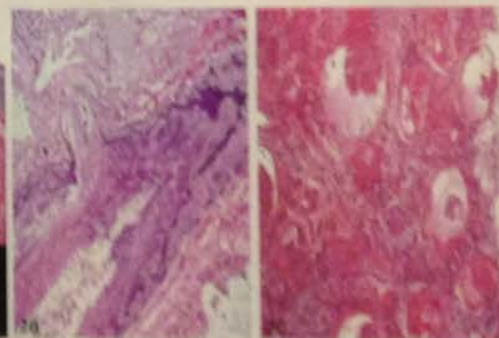
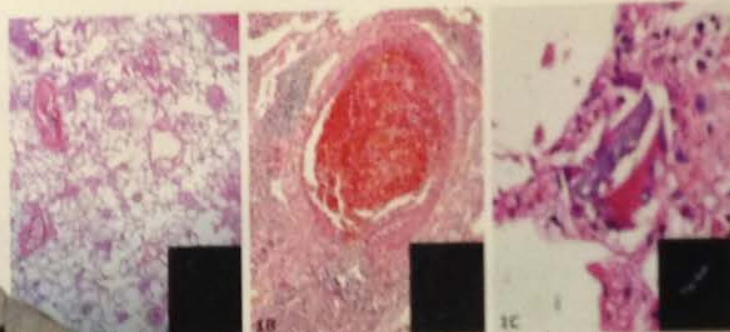


Figure 1: Histological findings. A: Low magnification view of the tissue. B: High magnification view of the tissue. C: High magnification view of the tissue. Figure 2: Histological findings. D: High magnification view of the tissue. E: High magnification view of the tissue.

Epstein Barr Virus-associated Atypical B-Cell Lymphoproliferation in Adult T-cell lymphoma/Leukemia – A Diagnostic Dilemma

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Inter...
Adult T-cell leukemia/lymphoma (ATLL) could be infected by Epstein
Barr virus (EBV). This condition could create clinical and
diagnostic confusion.
A 54 years old man presented with abdominal pain, weight loss and
fever.

