Angiomyomatous Hamartoma: A Rare Cause of Lymphedema Heidi Chen, MD[†]; Nasim A. Chowdhury, MD[‡]

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CASE PRESENTATION

A 42-year-old male with no prior medical history presented to our outpatient clinic with a ten-year histor of right thigh swelling that progressed from the size of a golf-ball to a watermelon. Prior work-up included norm blood work and ultrasound without evidence of deep vein thrombosis; no additional imaging was pursued.

Physical Exam: non-pitting edema, skin tightening, large flaking skin folds, and positive stemmer's sign. (figure 1)

Diagnostics:

CT abdomen and pelvis: adenopathy in right inguinal and iliac lymph nodes with significant lymphedema (figure 2)

Lymphoscintigraphy: delayed lymphatic drainage in right lower extremity with dermal backflow between th knee and the ankle (figure 3)

PET-CT: right inguinal and femoral hypermetabolic lymphadenopathy

Inguinal lymph node biopsy: angiomyomatous hamartoma

Treatment: tumor excision and lymphedema therapy for complete decongestive therapy





	DISCUSSION
ry a	Lymphedema is limb swelling from lymphatic flu accumulation due to imbalance in the rate of ly production and lymph removal.
al	-Lymphedema grading on scale from I to III
9	-Treatment includes complete decongestive the manual lymphatic drainage, compression garme decongestive exercises
)	Angiomyomatous hamartoma is an extremely ra benign vascular tumor
	-Preferentially affects inguinal lymph nodes and fibrous tissue, irregular blood vessels, and adipe
	-Diagnosis is made by histology and other imagi -Definitive treatment involves complete excision
1e	lesion
or	Figure 1 Left Entire DLE with cignificant hyperbody Dial
	Figure1. Left: Entire RLE with significant lymphedema. Rigl of R medial thigh. Permission obtained from patient to disp

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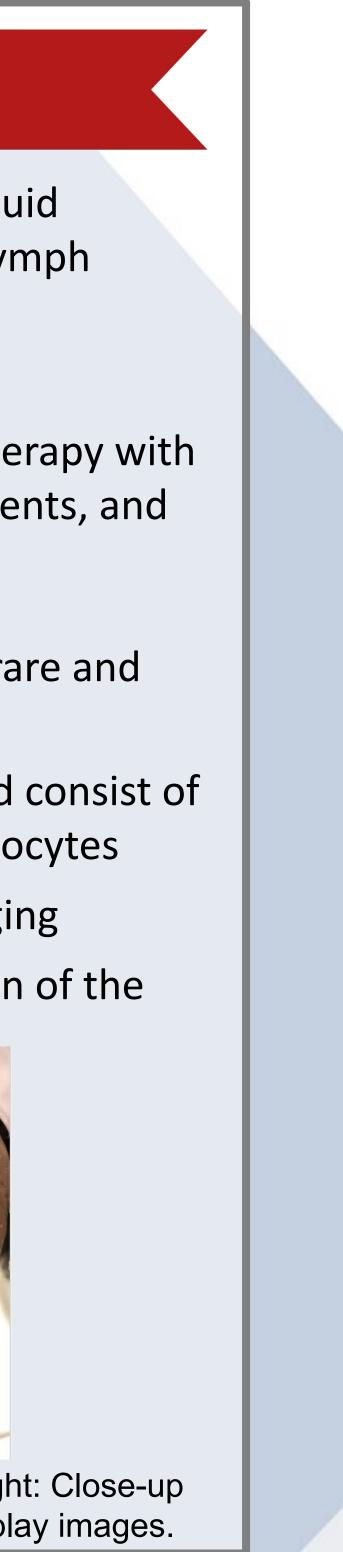




Figure 2. CT Abd/Pelvis: R inguinal lymphadenopathy and lymphedema

injection

CONCLUSION

Additional imaging should be considered in cases of unexplained lymphedema. Angiomyomatous hamartoma is a rare, benign vascular tumor that should be considered on the differential for benign and malignant lymph node tumors which may present as lymphedema.

- 1. Grada AA, Phillips TJ. Lymphedema: Diagnostic workup and management. J Am Acad Dermatol. 2017 Dec;77(6):995-1006. doi: 10.1016/j.jaad.2017.03.021. PMID: 29132859.
- Chan JK, Frizzera G, Fletcher CD, Rosai J. Primary vascular tumors of lymph nodes other than Kaposi's sarcoma. Analysis of 39 cases and delineation of two new entities. Am J Surg Pathol. 1992 Apr;16(4):335-50. doi: 10.1097/00000478-199204000-00003. PMID: 1373579
- Tsang P. Angiomyomatous hamartoma. PathologyOutlines.com website.
- https://www.pathologyoutlines.com/topic/lymphnodesangiomyomatoushamartoma.html. Accessed January 13th, Moh M, Sangoi AR, Rabban JT. Angiomyomatous hamartoma of lymph nodes, revisited: clinicopathologic study of 21
- cases, emphasizing its distinction from lymphangioleiomyomatosis of lymph nodes. Hum Pathol. 2017 Oct;68:175-183. doi: 10.1016/j.humpath.2017.08.035. Epub 2017 Sep 9. PMID: 28899738.

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