

# DIGITAL PATHOLOGY & IMAGE ANALYSIS

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## Malignant Triton Tumor of Thigh (MTTT): A case report and review of literature

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**M**alignant triton tumor (MTT) is a tumor arising from Schwann cells with divergent rhabdomyoblastic differentiation. It is a rare and aggressive variant of malignant peripheral nerve sheath tumor (MPNST). We present a case of 33 years old male with thigh swelling. Surgical excision was done followed by histopathological and immunohistochemical (IHC) workup which revealed a tumor showing two types of cell populations including pleomorphic spindle cells and large cells with pleomorphic eccentric nuclei. Spindle cells showed positivity for S-100 IHC stain confirming their neural origin while large cells with eccentric nuclei showed positivity for desmin & myogenin IHC stains confirming their rhabdomyoblastic origin. Hence, the diagnosis of MTT was made. A 5 years survival rate for MTT is 5-15% compared to 50-60% for MPNST. Considering it is a rare entity with aggressive clinical behavior and poor prognosis, correct diagnosis is essential that can be achieved by careful histological and IHC evaluation.

### Biography

Anila Chughtai has completed her Bachelor of Medicine & Bachelor of Surgery degrees (MBBS) from Services Institute of Medical Sciences, Lahore. Currently, she is working as a second year Post-graduate trainee at Chughtai lab Lahore.

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