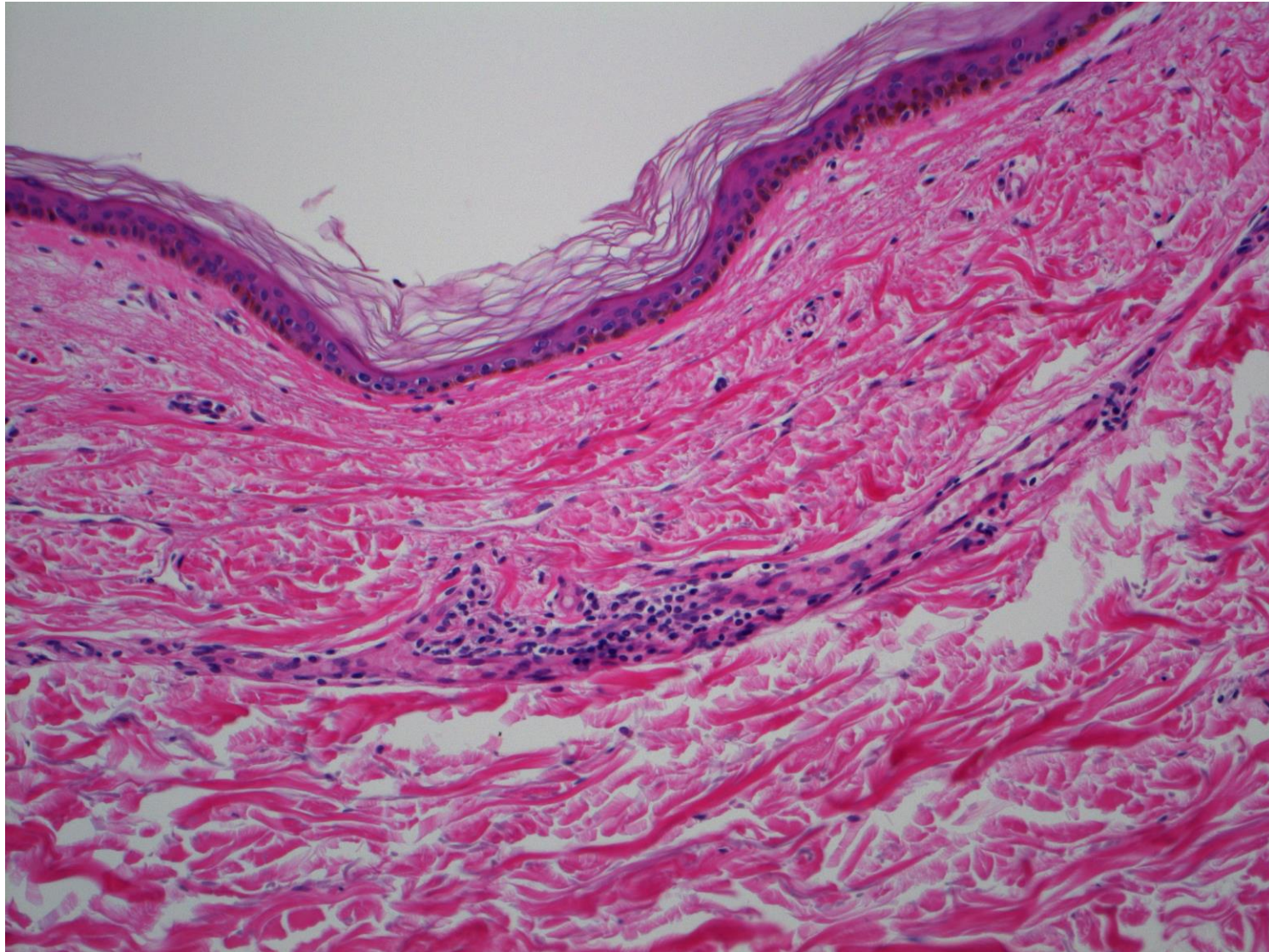


# Intravascular lymphoma of the skin

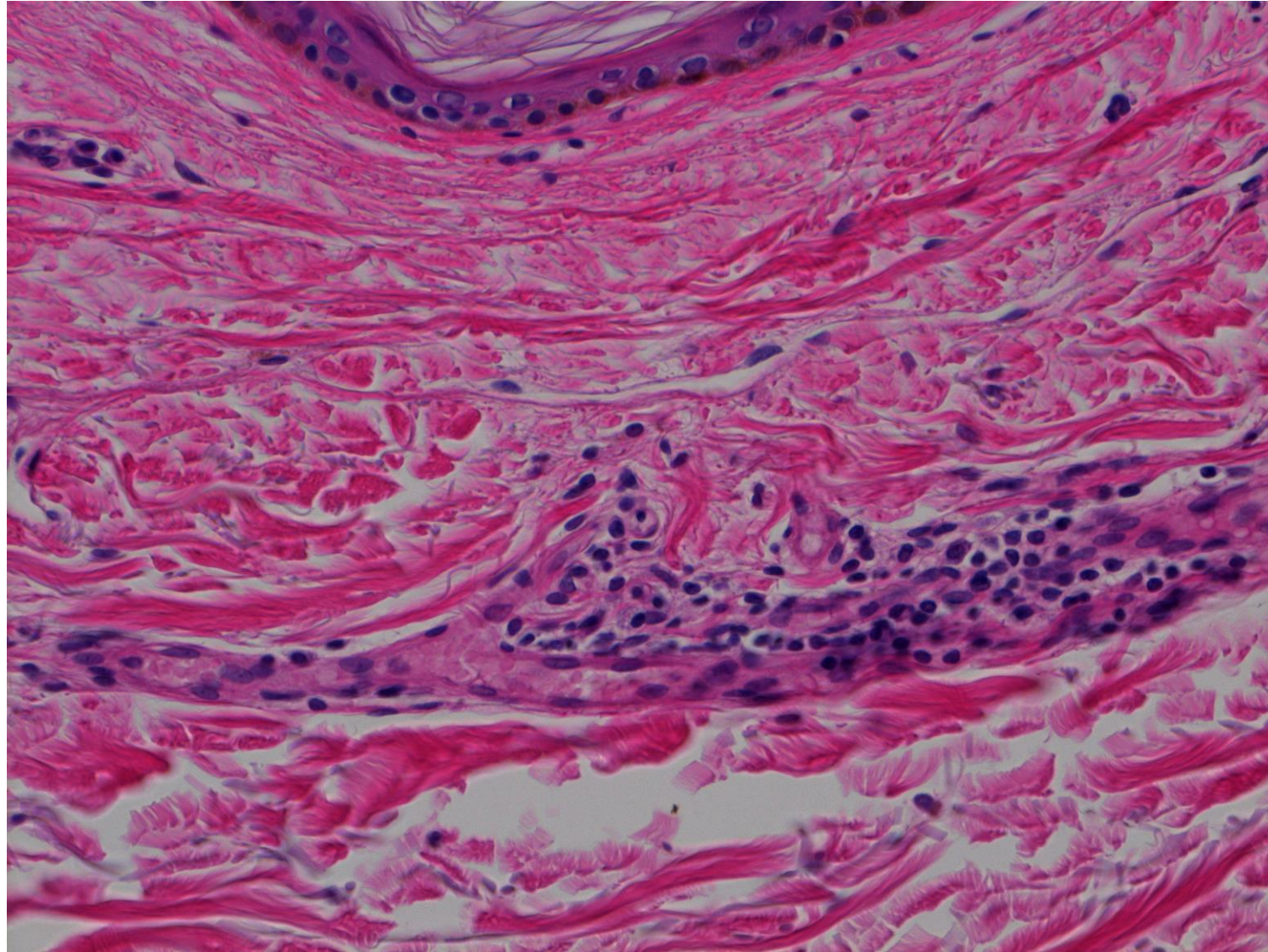
Intravascular large B-cell lymphoma (IVLBCL) is an aggressive non-Hodgkin lymphoma characterized by the presence of neoplastic large-sized lymphoid cells within small- and medium-sized blood vessels. Hemophagocytic syndrome may be associated particularly in the Asian cases, with involvement of the bone marrow and liver. Cutaneous involvement is common. Extracutaneous involvement of the brain and kidney is also known. Blind skin biopsy (random biopsy from normal-looking skin) has been used to confirm the diagnosis of extracutaneous IVLBCL.

A 73-year-old female patient complained of prolonged fever and night sweats. The skin of the chest and thigh showed senile angioma-like macules. Biopsy specimen was evaluated to clarify the lesions.

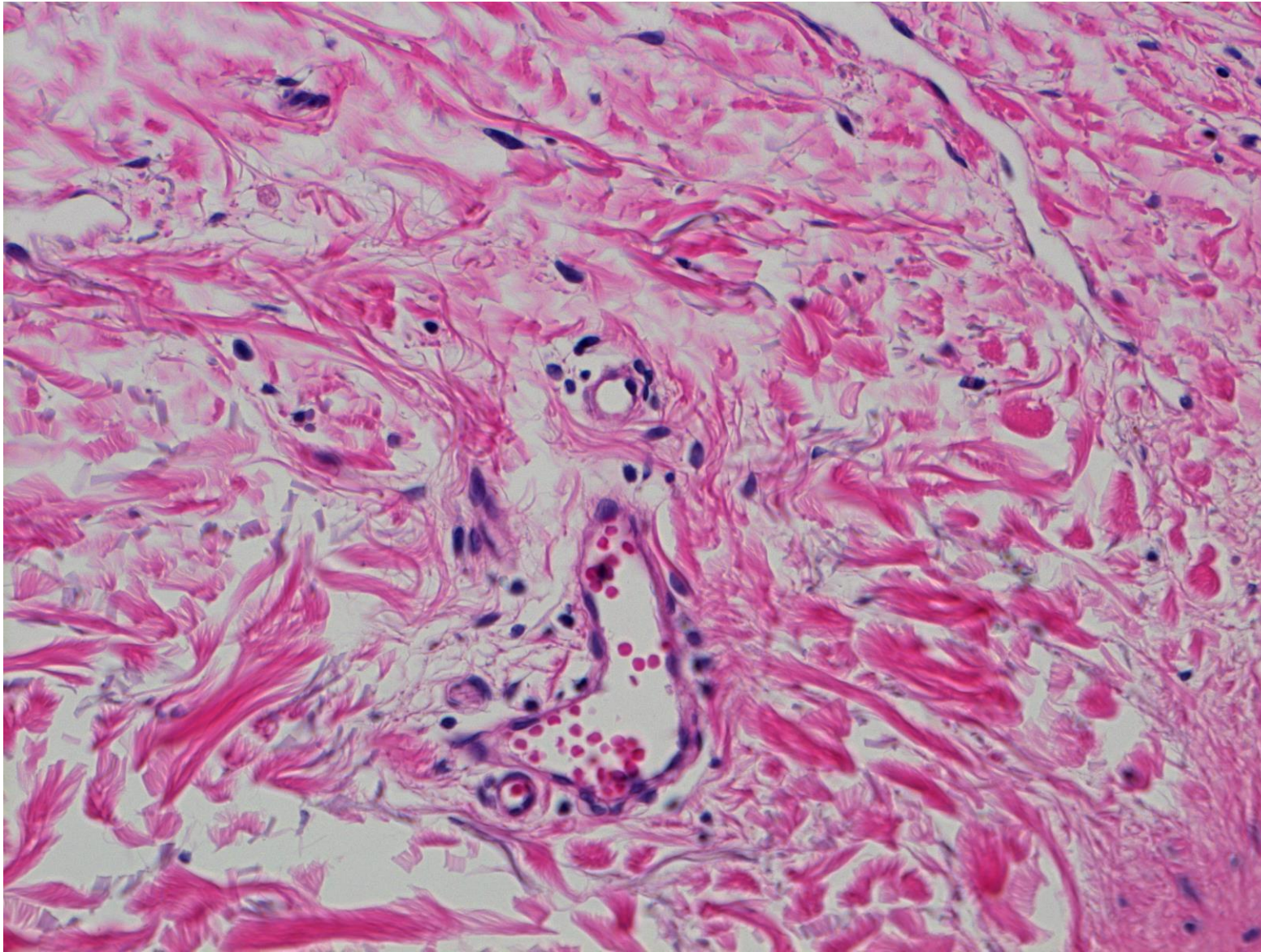
Ref.: Breakell T, et al. Intravascular large B-cell lymphoma: a review with a focus on the prognostic value of skin involvement. *Curr Oncol* 2022; 29(5): 2909-2919. doi: 10.3390/currenol29050237



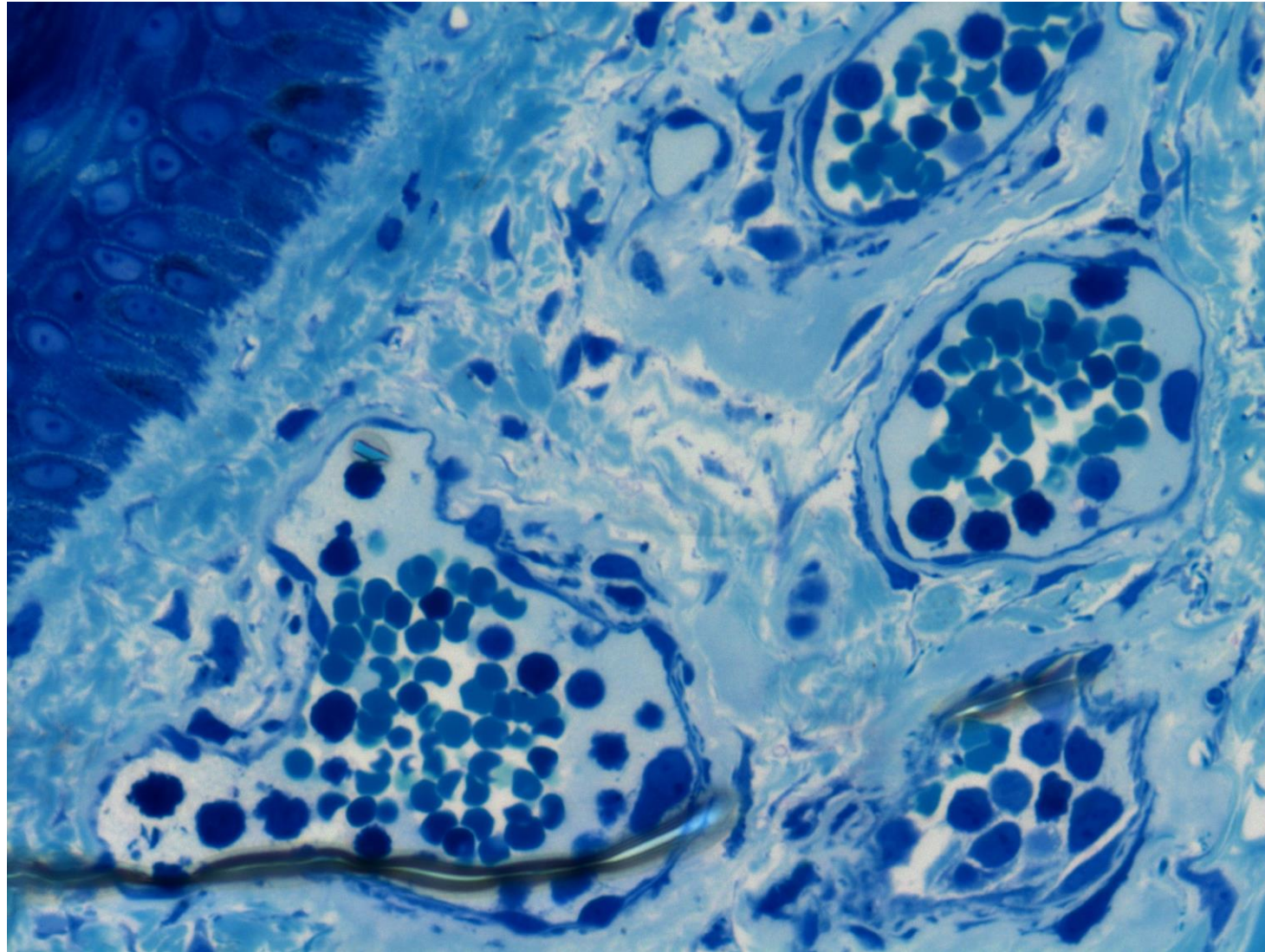
Intravascular lymphoma of the skin of a 73-year-old female patient. Lymphoid cells are clustered around the capillary vessels in the upper dermis. Intravascular involvement is focally noted. H&E-1



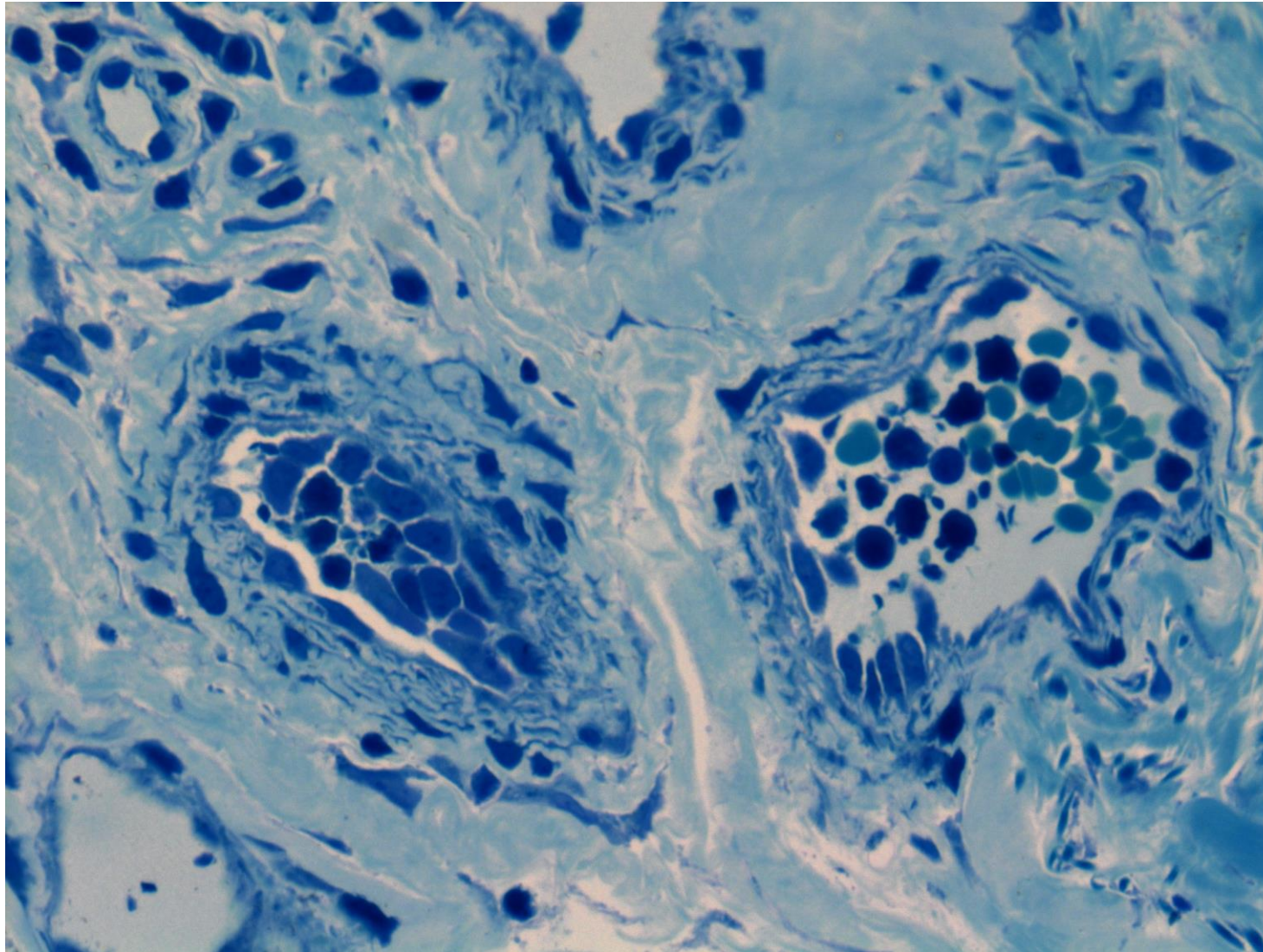
Intravascular lymphoma of the skin of a 73-year-old female patient. Lymphoid cells are clustered around the capillary vessels in the upper dermis. Intravascular involvement is focally noted. H&E-2



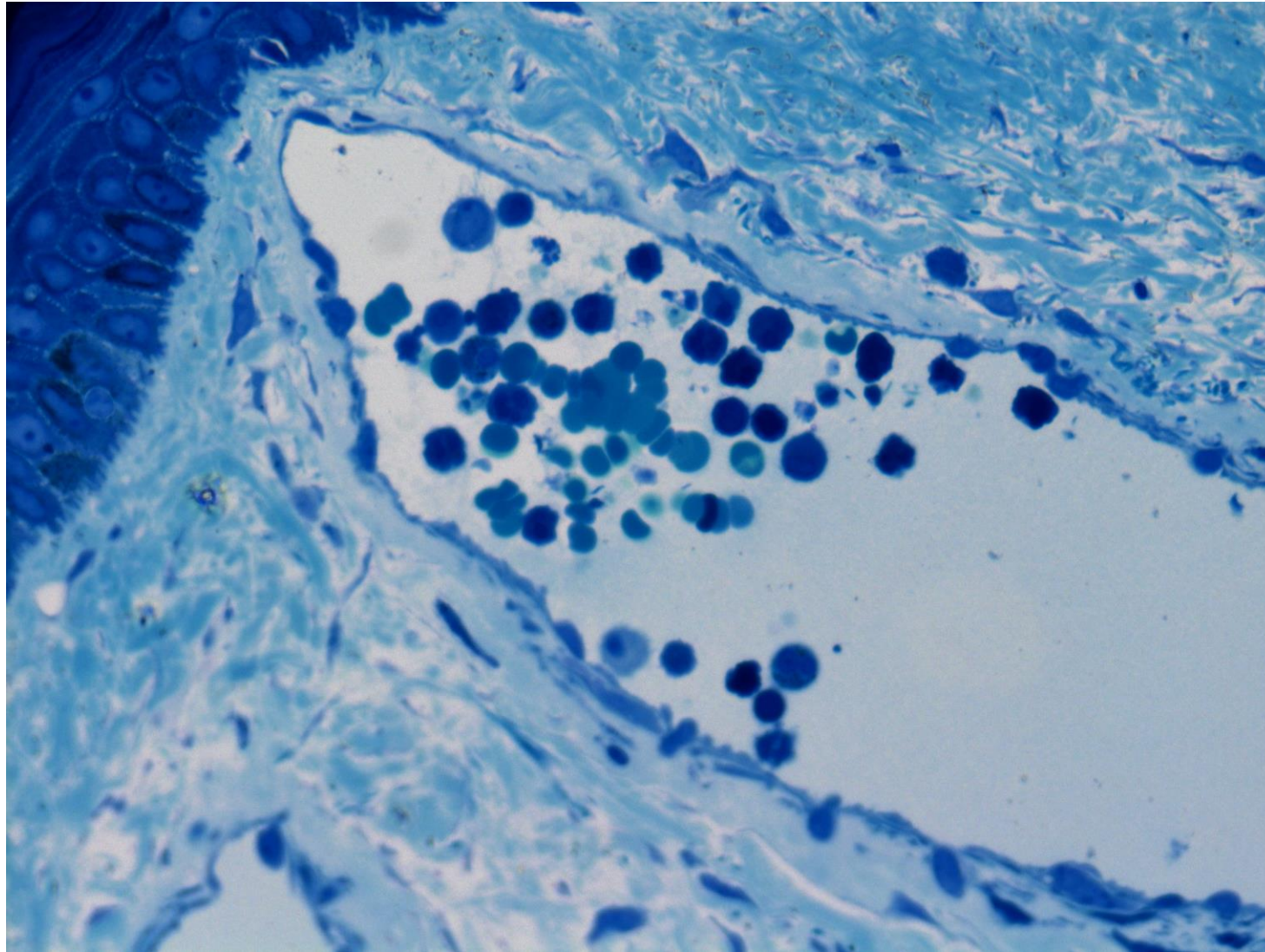
Intravascular lymphoma of the skin of a 73-year-old female patient. Lymphoid cells are clustered around the capillary vessels in the upper dermis. H&E-3



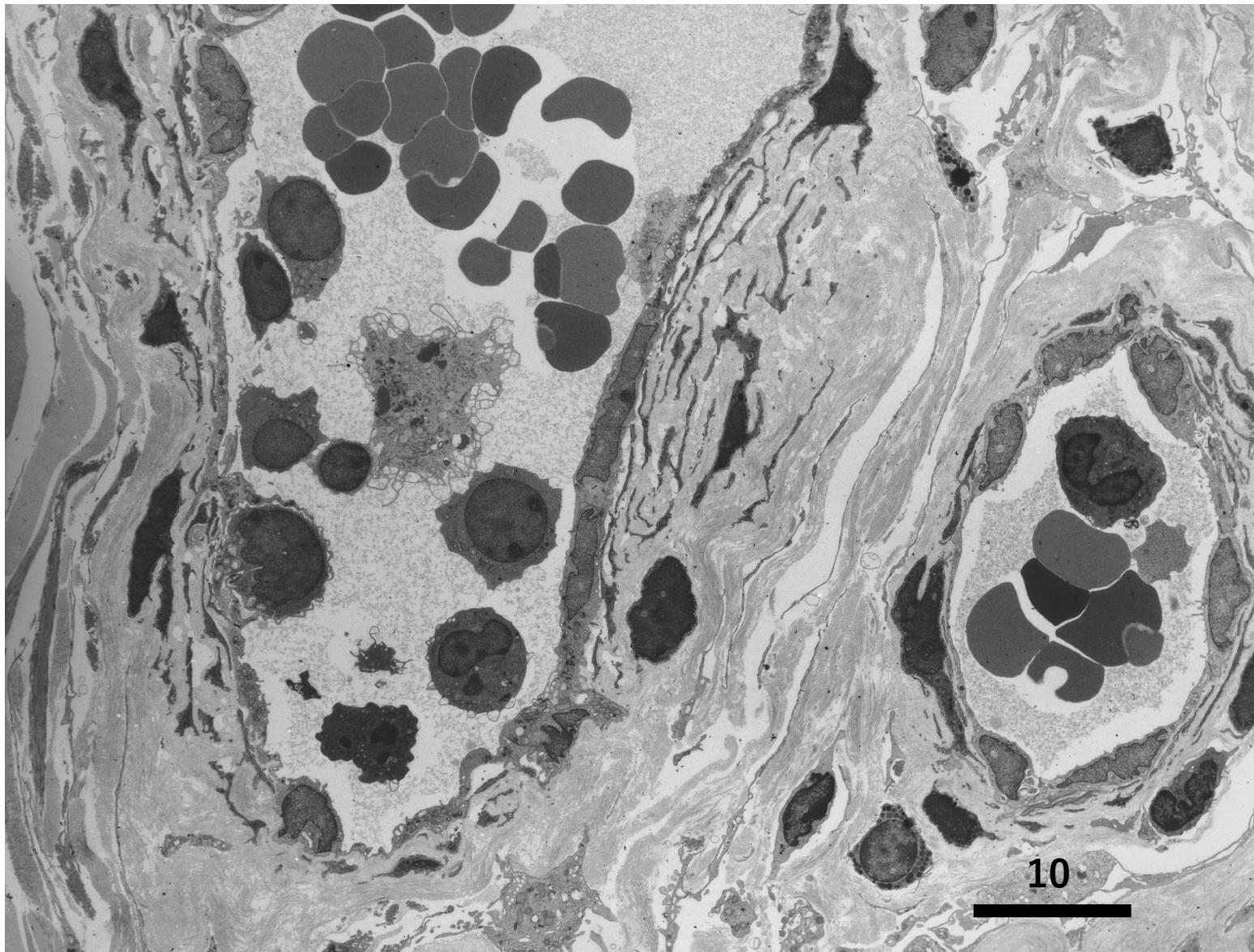
Intravascular lymphoma of the skin of a 73-year-old female patient. Medium-sized lymphoid cells are clustered in the capillary lumina in the upper dermis. Toluidine blue in semi-thin sections for EM study-1



Intravascular lymphoma of the skin of a 73-year-old female patient. Medium-sized lymphoid cells are clustered in the capillary lumina in the upper dermis. Toluidine blue in semi-thin sections for EM study-2

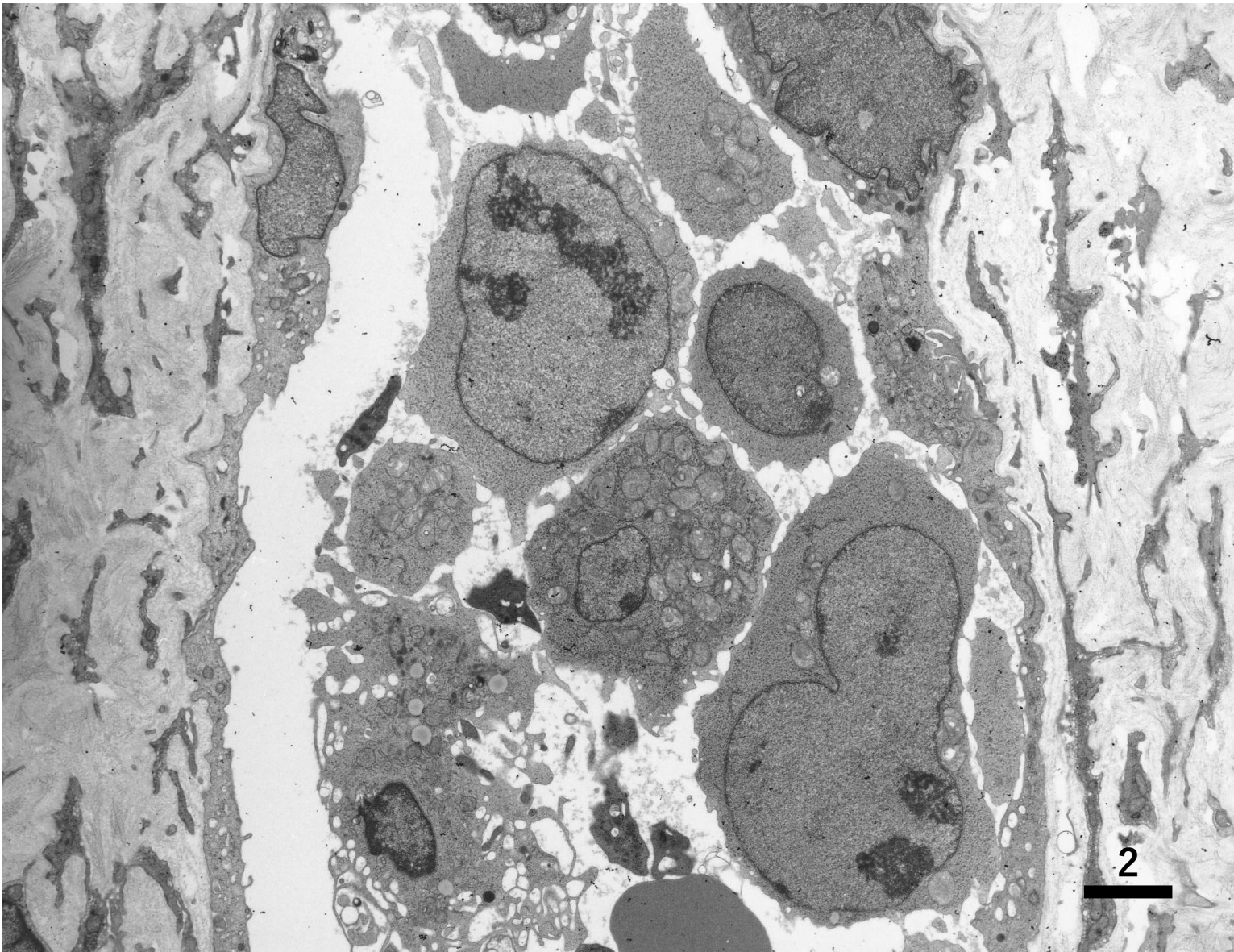


Intravascular lymphoma of the skin of a 73-year-old female patient. Medium-sized lymphoid cells are clustered in the dilated capillary lumen in the upper dermis. Toluidine blue in semi-thin sections for EM study-3

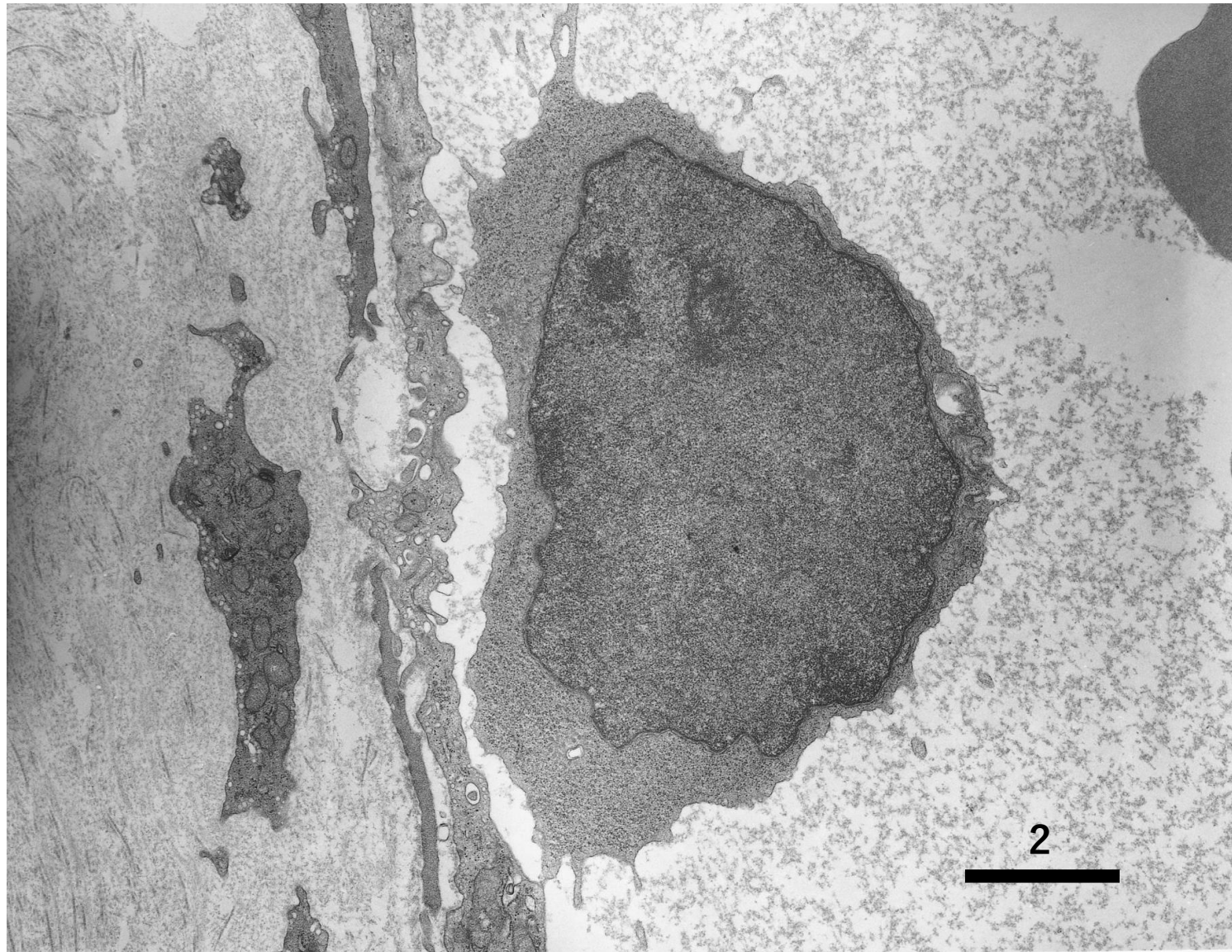


Ultrastructure of intravascular lymphoma of the skin of a 73-year-old female patient. Medium-sized lymphoid cells with fine surface processes are seen in the capillary lumen in the upper dermis. EM-1

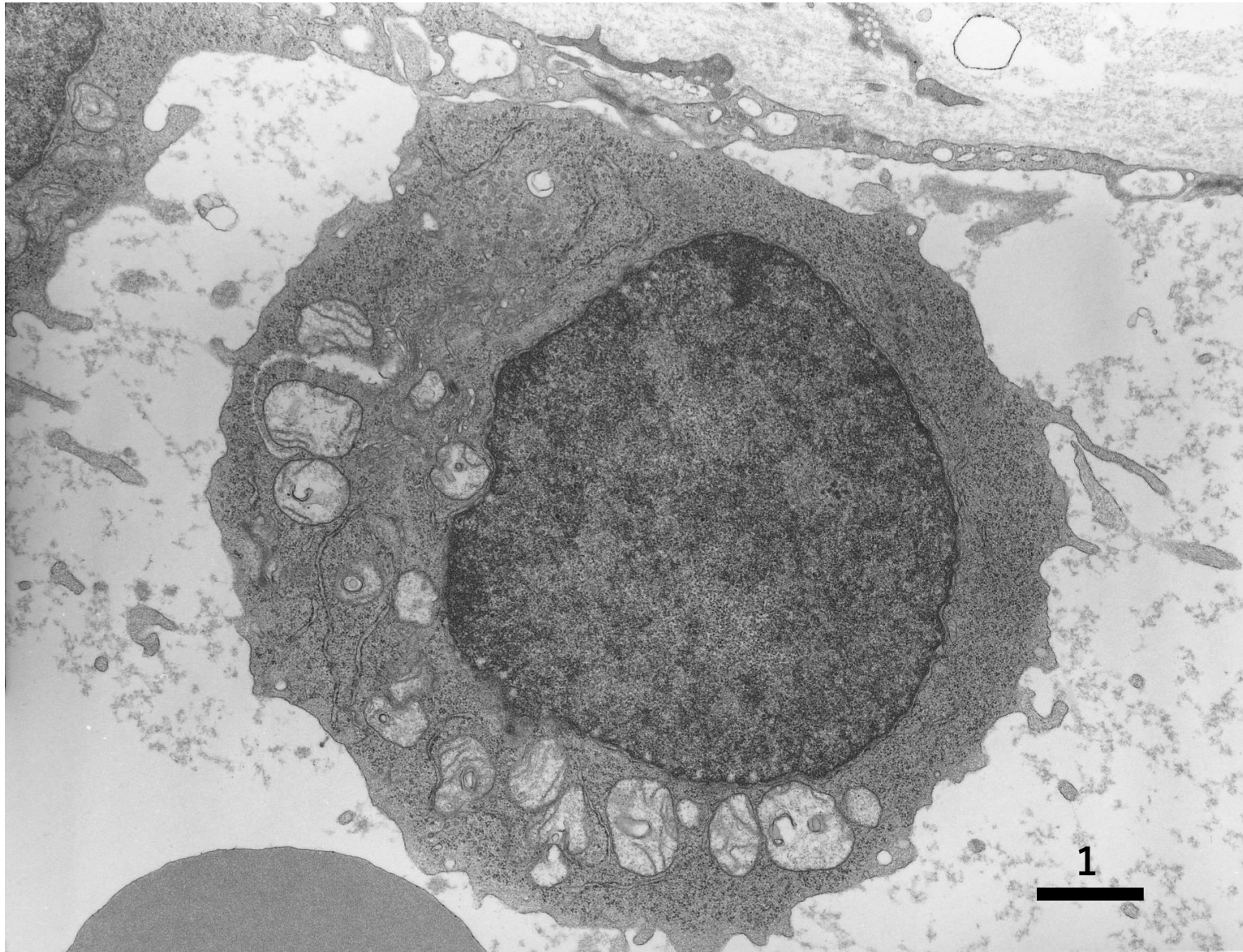




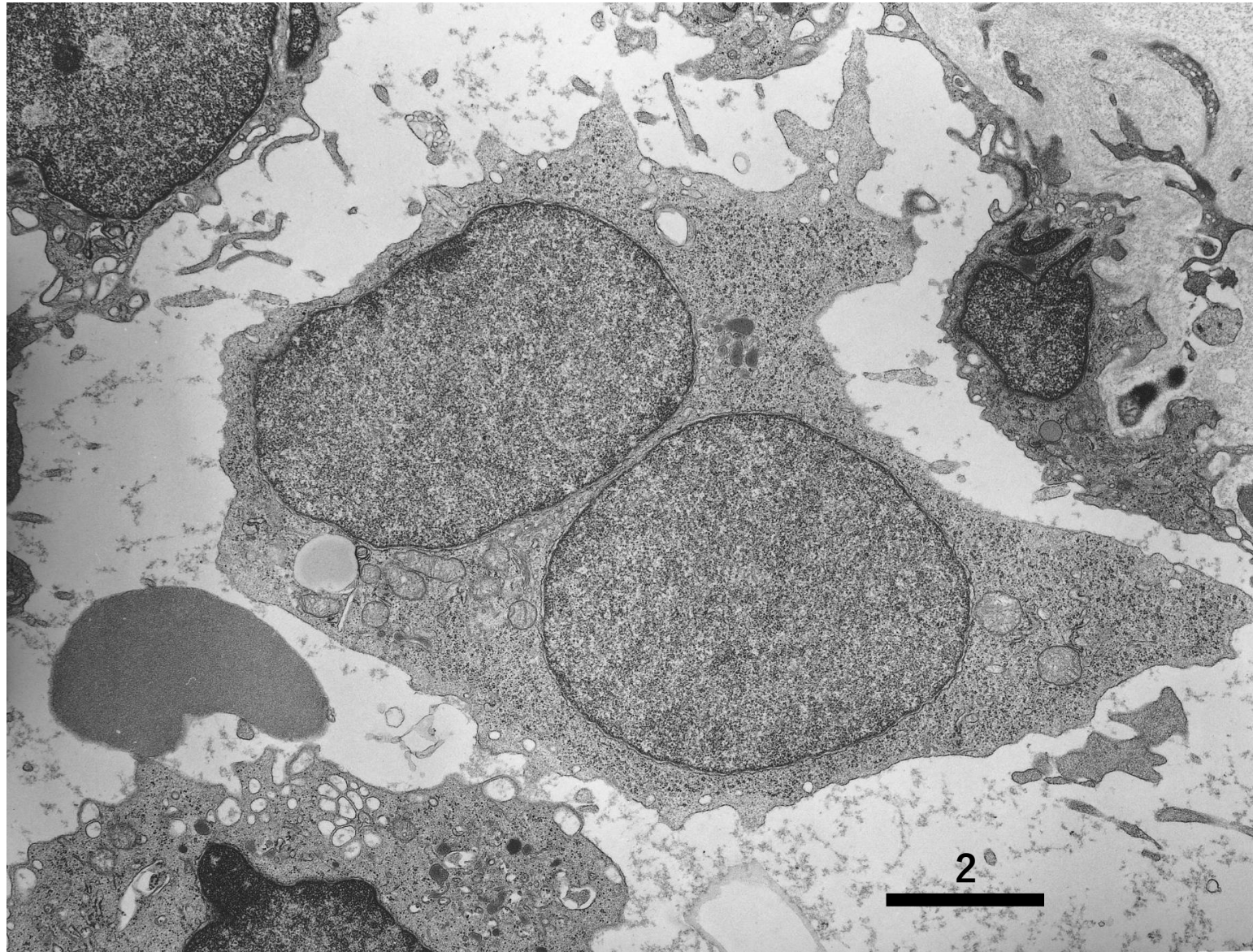
Ultrastructure of intravascular lymphoma of the skin of a 73-year-old female patient. Medium-sized lymphoid cells with fine surface processes are clustered in the capillary lumen in the upper dermis. EM-2



Ultrastructure of intravascular lymphoma of the skin of a 73-year-old female patient. A medium-sized lymphoid cell attaches onto the capillary endothelial cell via fine surface processes. EM-2



Ultrastructure of intravascular lymphoma of the skin of a 73-year-old female patient. A medium-sized lymphoid cell attaches onto the capillary endothelial cell via fine surface processes. EM-4



Ultrastructure of intravascular lymphoma of the skin of a 73-year-old female patient. A medium-sized binucleated lymphoid cell attaches onto the capillary endothelial cell via fine surface processes. EM-5