

FIGURE 386e-18 Kidney biopsy in granulomatosis with polyangiitis (Wegener's). This renal biopsy shows a crescentic and necrotizing glomerulonephritis. These findings were focal and segmental with normal and scarred glomeruli also being found in the biopsy. By immunofluorescence and electron microscopy, no immune deposits were present, indicative of a pauci-immune glomerulonephritis. Similar findings can also be seen in microscopic polyangiitis and eosinophilic granulomatosis with polyangiitis (Churg-Strauss).

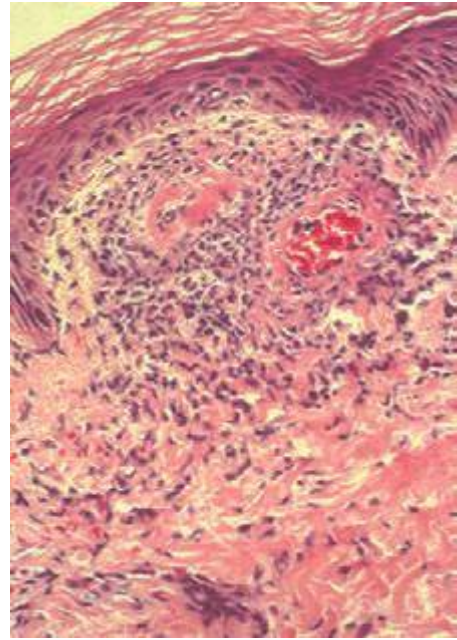


FIGURE 386e-21 Cutaneous vasculitis. This skin biopsy reveals two arterioles beneath the dermis with a neutrophilic inflammatory infiltrate in and around the vessel wall with leukocytoclasia (nuclear debris). While such features are diagnostic of vasculitis, they can be seen in a variety of settings and are not specific for any single disease.

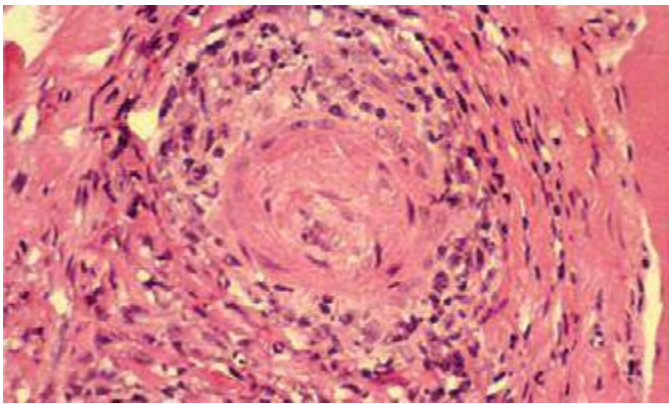


FIGURE 386e-19 Sural nerve biopsy in polyarteritis nodosa. This sural nerve biopsy was performed in a patient with polyarteritis nodosa, who had presented with a mononeuritis multiplex. Neutrophils are seen infiltrating all layers of this medium-sized vessel, which resulted in vessel occlusion and nerve infraction.

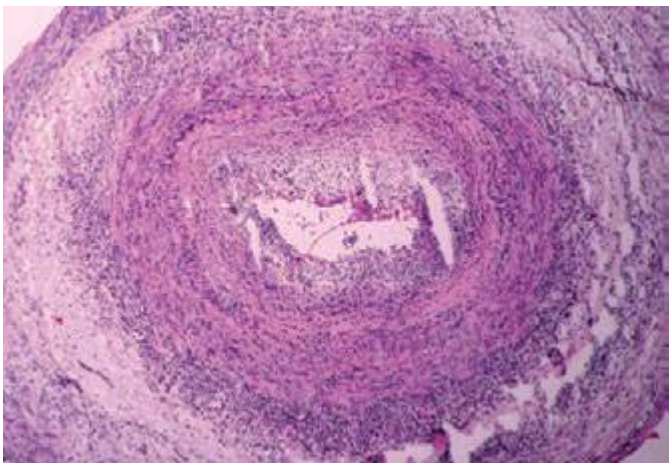


FIGURE 386e-20 Temporal artery biopsy in giant cell arteritis. This temporal artery biopsy demonstrates a panmural infiltration of mononuclear cells and lymphocytes that are particularly seen in the media and adventitia. Scattered giant cells are also present.

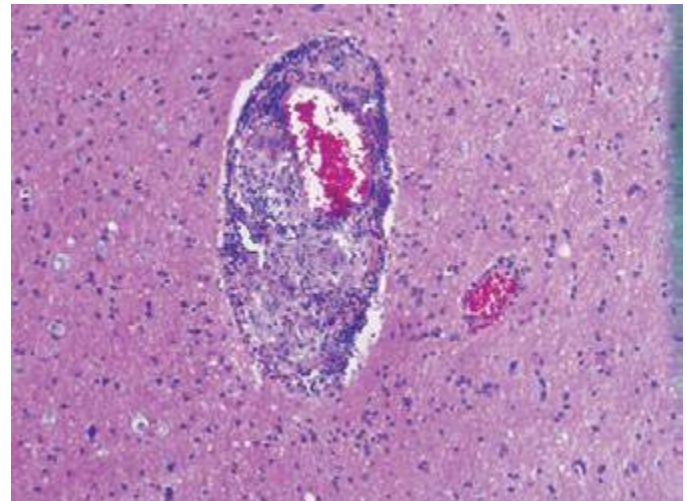


FIGURE 386e-22 Granulomatous primary central nervous system vasculitis. This brain biopsy demonstrates a medium-sized artery with granulomatous inflammation present within the vessel wall indicative of a granulomatous vasculitis. This patient presented with progressive headache, clinical and radiographic features of a stroke, and had arteriographic features consistent with vasculitis. Because no evidence of vasculitis could be found outside of the brain, this was consistent with granulomatous primary central nervous system vasculitis.