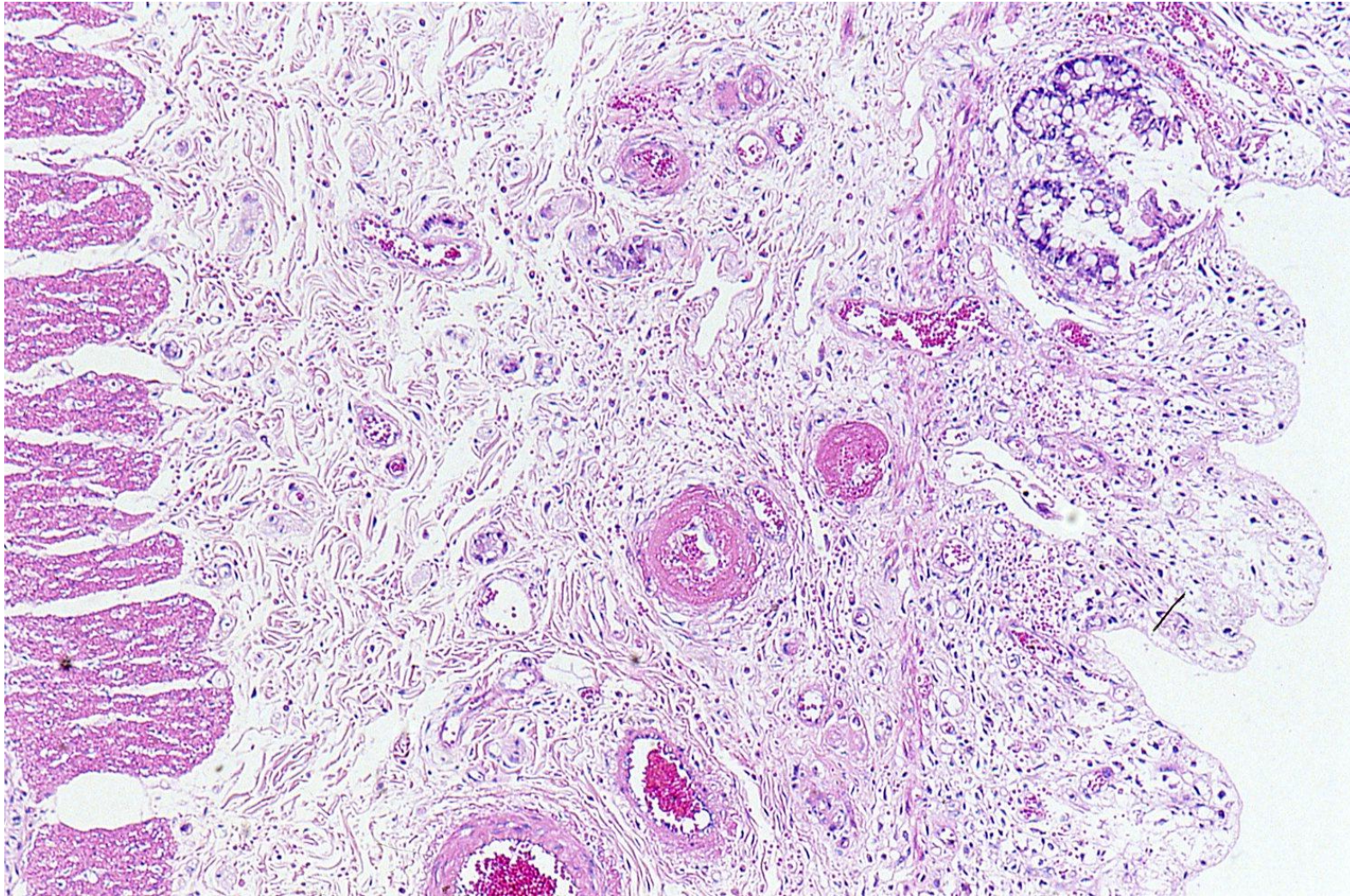


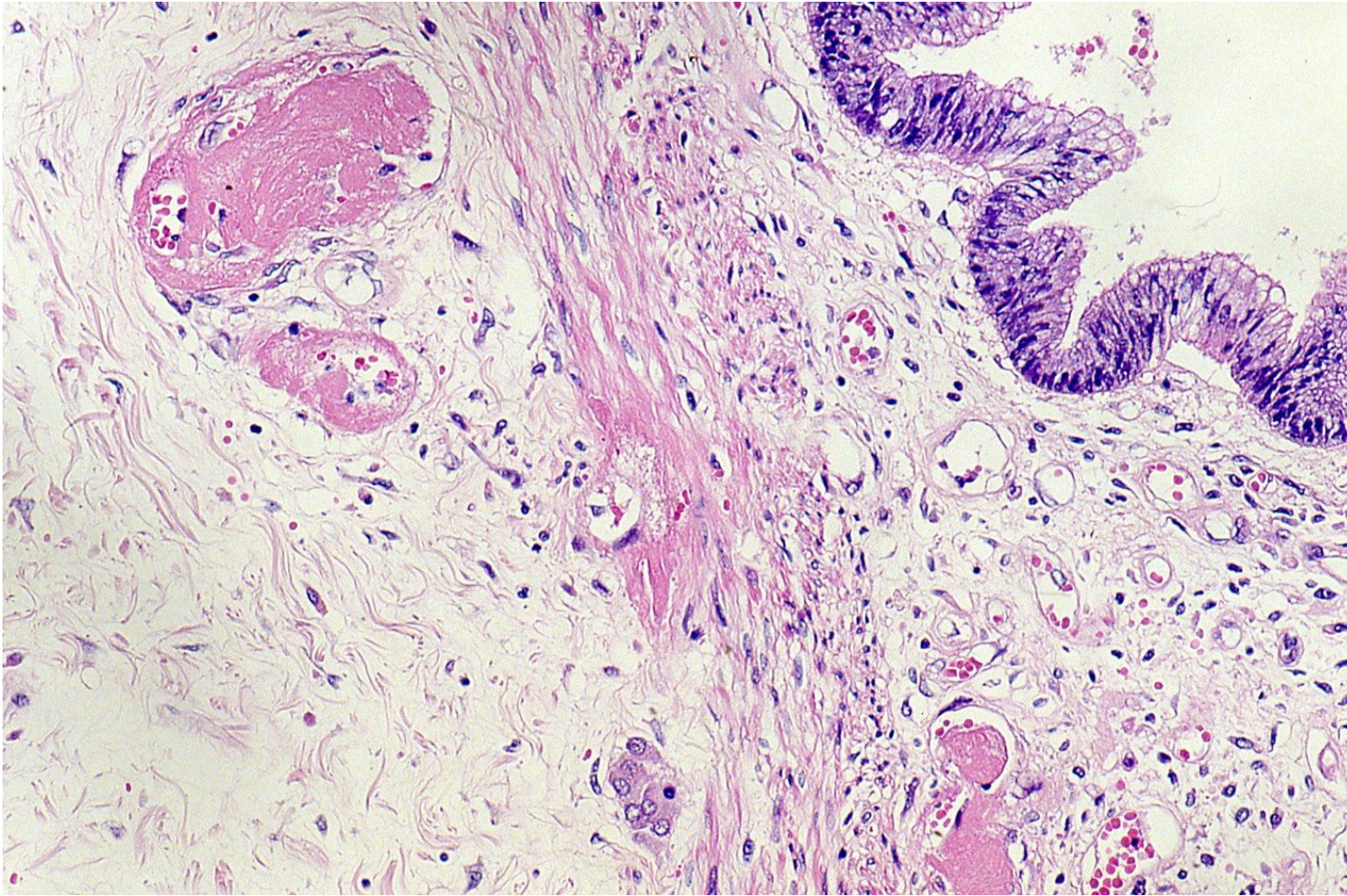
Bone marrow transplant-associated thrombotic microangiopathy

Transplant-associated thrombotic microangiopathy (TA-TMA), a multifactorial complication (adverse effect) of bone marrow transplantation, involves endothelial injury caused by immunosuppression and varied systemic insults. As a result, microangiopathic hemolytic anemia, intravascular platelet activation and thrombosis in the microcirculation (thrombotic thrombocytopenic purpura) happen, to lead to multiorgan failure, particularly prominent in the kidney, lung and gastrointestinal tract.

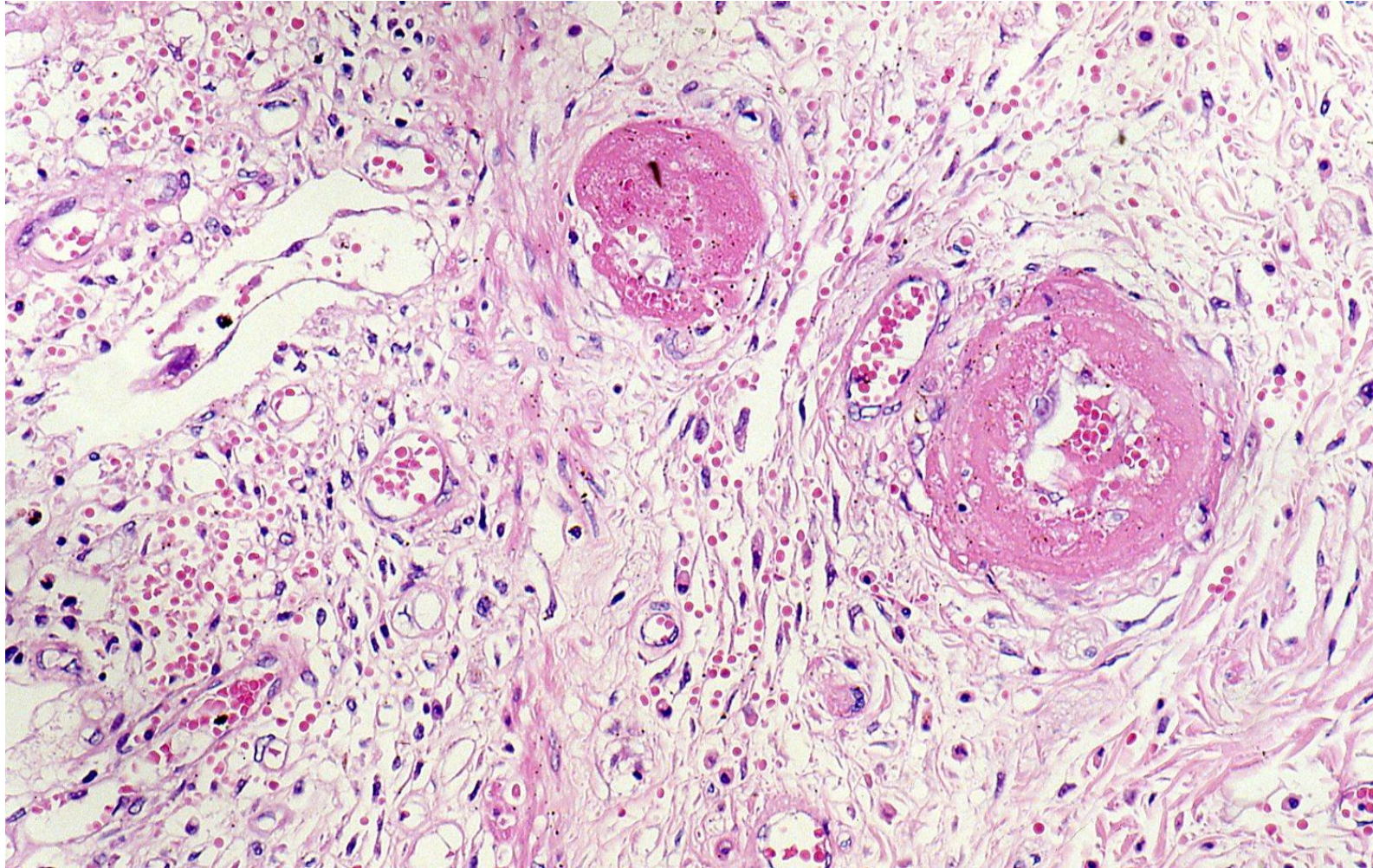
Ref.: Young JA, et al. Transplant-associated thrombotic microangiopathy: theoretical considerations and a practical approach to an unrefined diagnosis. Bone Marrow Transplant 2021; 56(8): 1805-1817. doi: 10.1038/s41409-021-01283-0



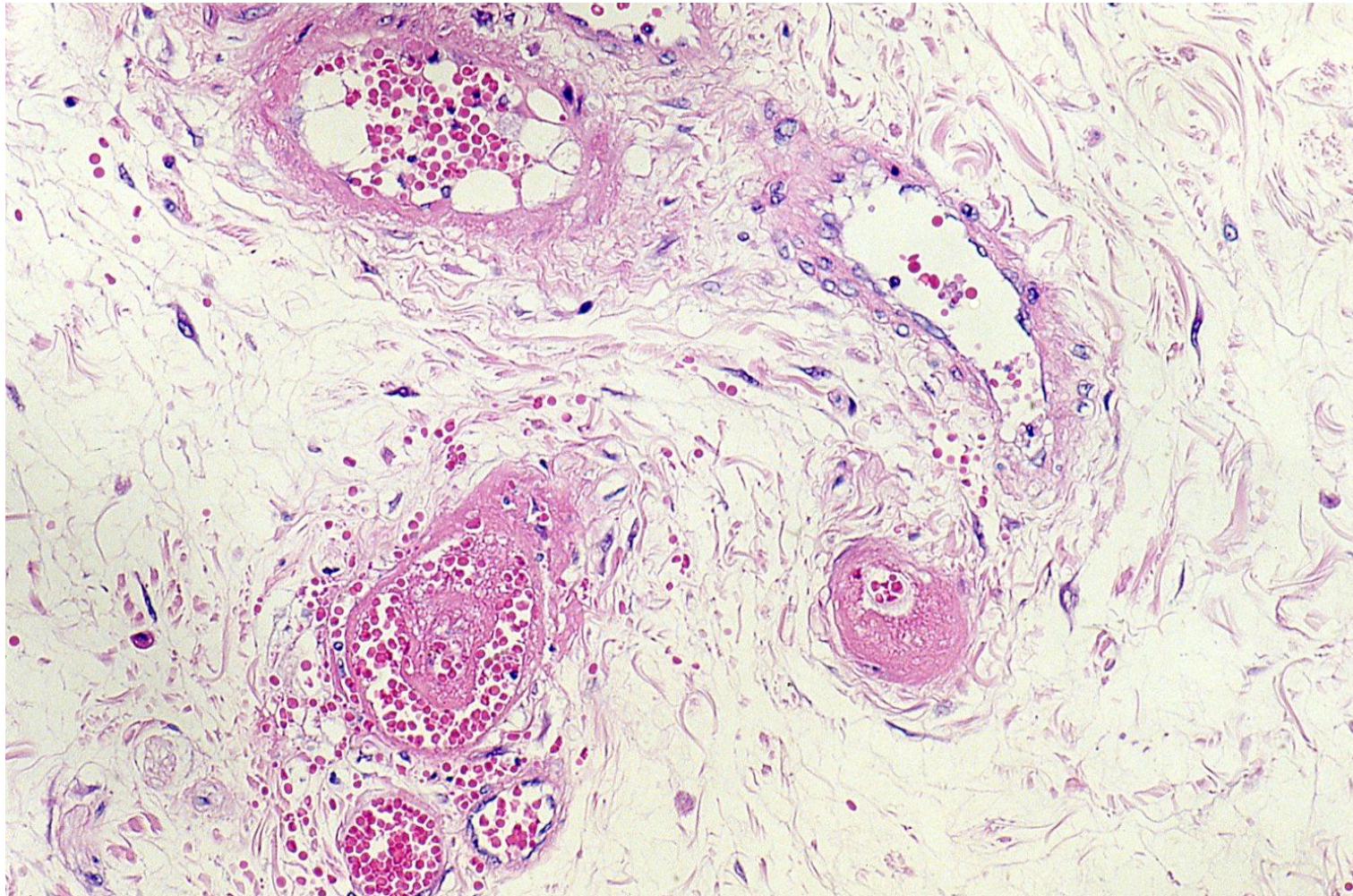
Transplant-associated thrombotic microangiopathy seen in an autopsy male case of ALL aged 20's. Deposition of fibrin and platelets is seen along the submucosal arteriolar wall of the small bowel. The mucosal epithelial cells have been detached due to autolysis. H&E-1



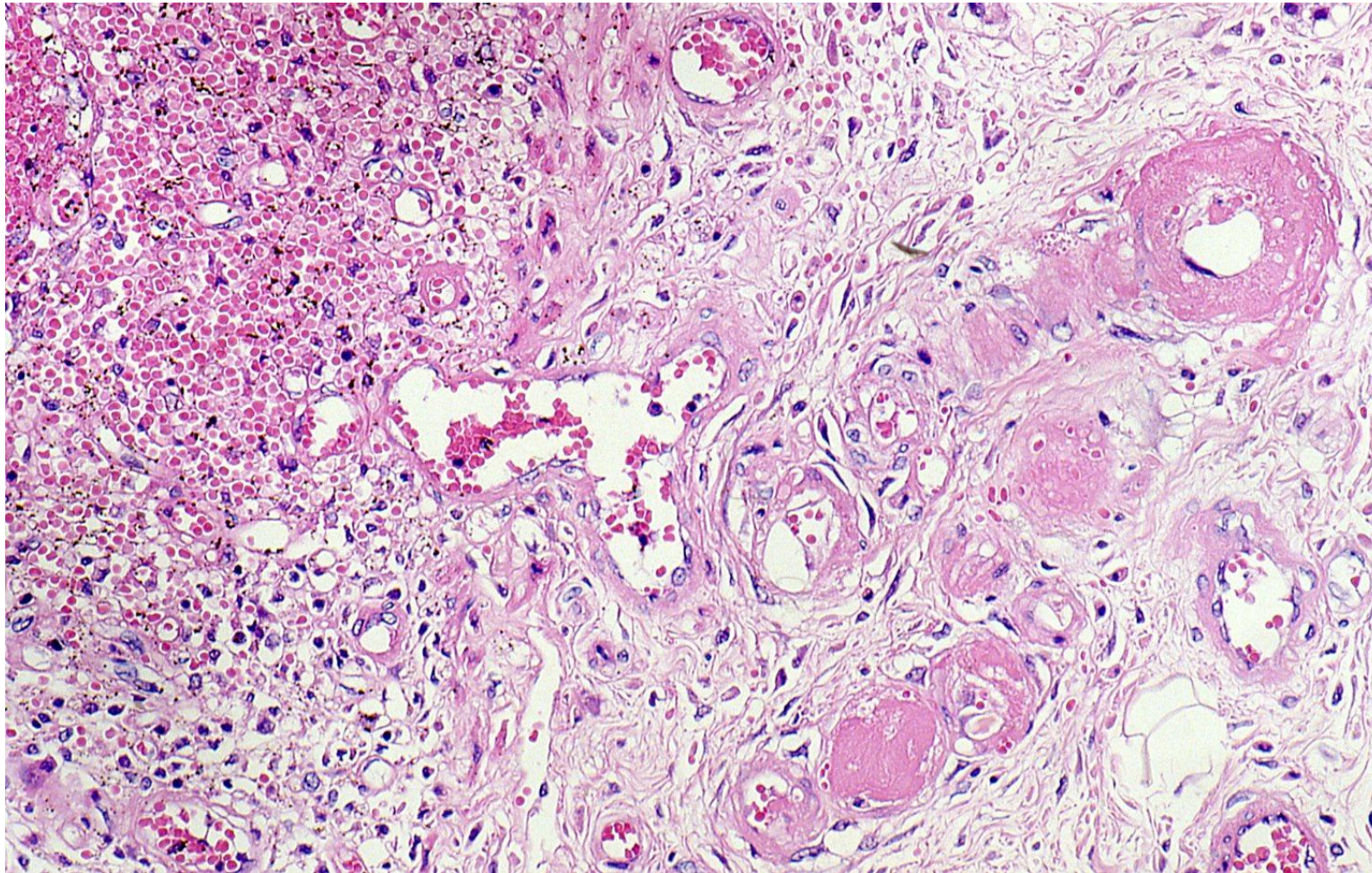
Transplant-associated thrombotic microangiopathy seen in an autopsy male case of ALL aged 20's. Thrombosis with fibrin and platelets is evident in the lumen of submucosal capillaries of the small bowel. H&E-2



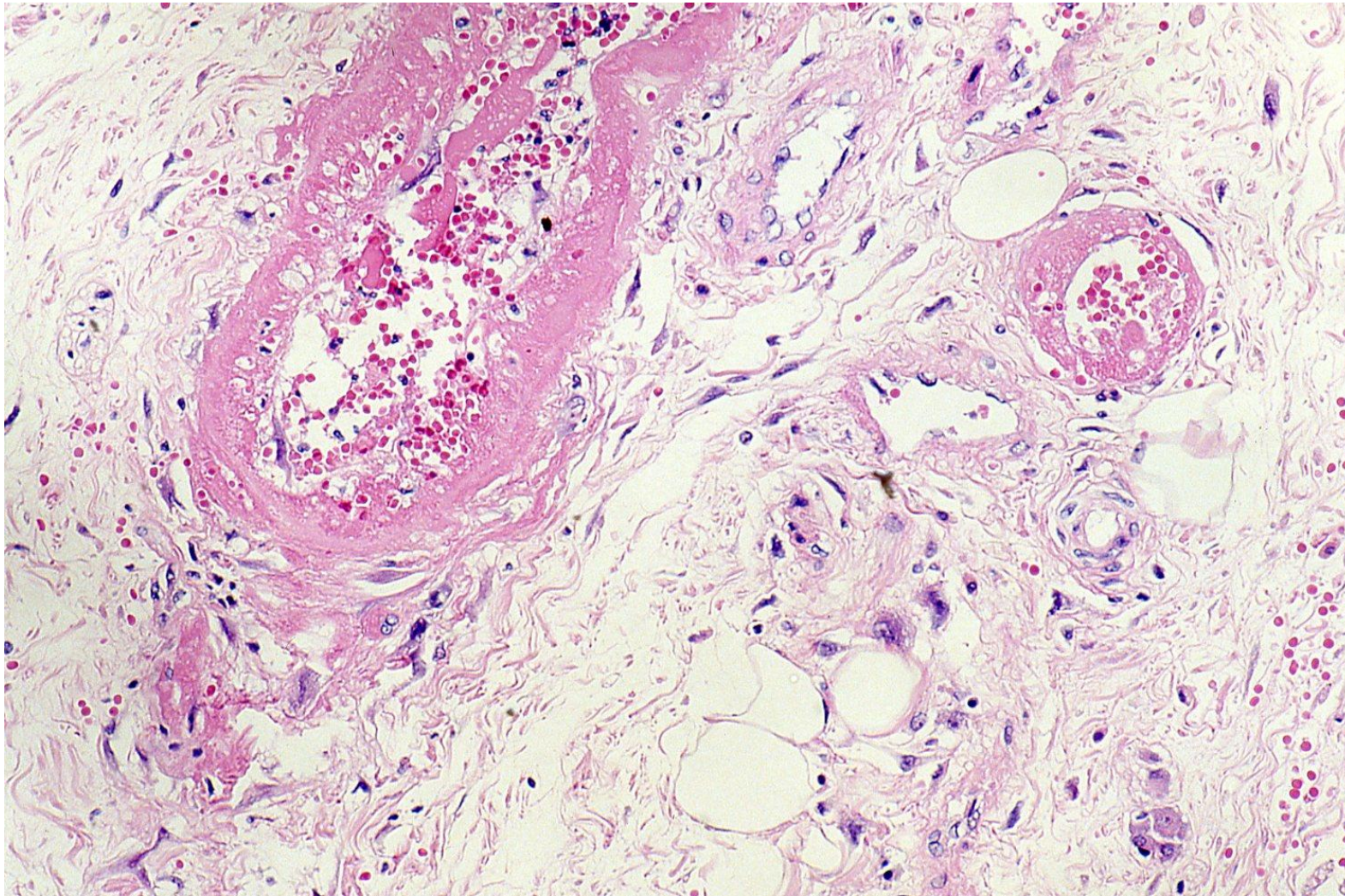
Transplant-associated thrombotic microangiopathy seen in an autopsy male case of ALL aged 20's. Thrombosis with fibrin and platelets is evident along the lumen of submucosal arterioles of the small bowel. H&E-3



Transplant-associated thrombotic microangiopathy seen in an autopsy male case of ALL aged 20's. Thrombosis with fibrin and platelets is evident in the lumen of submucosal capillaries of the small bowel. H&E-4



Transplant-associated thrombotic microangiopathy seen in an autopsy male case of ALL aged 20's. Thrombosis with fibrin and platelets is evident in the lumen of submucosal capillaries and arterioles of the small bowel. H&E-5



Transplant-associated thrombotic microangiopathy seen in an autopsy male case of ALL aged 20's. Thrombosis with fibrin and platelets is evident in the lumen of submucosal capillaries and arterioles of the small bowel. H&E-6