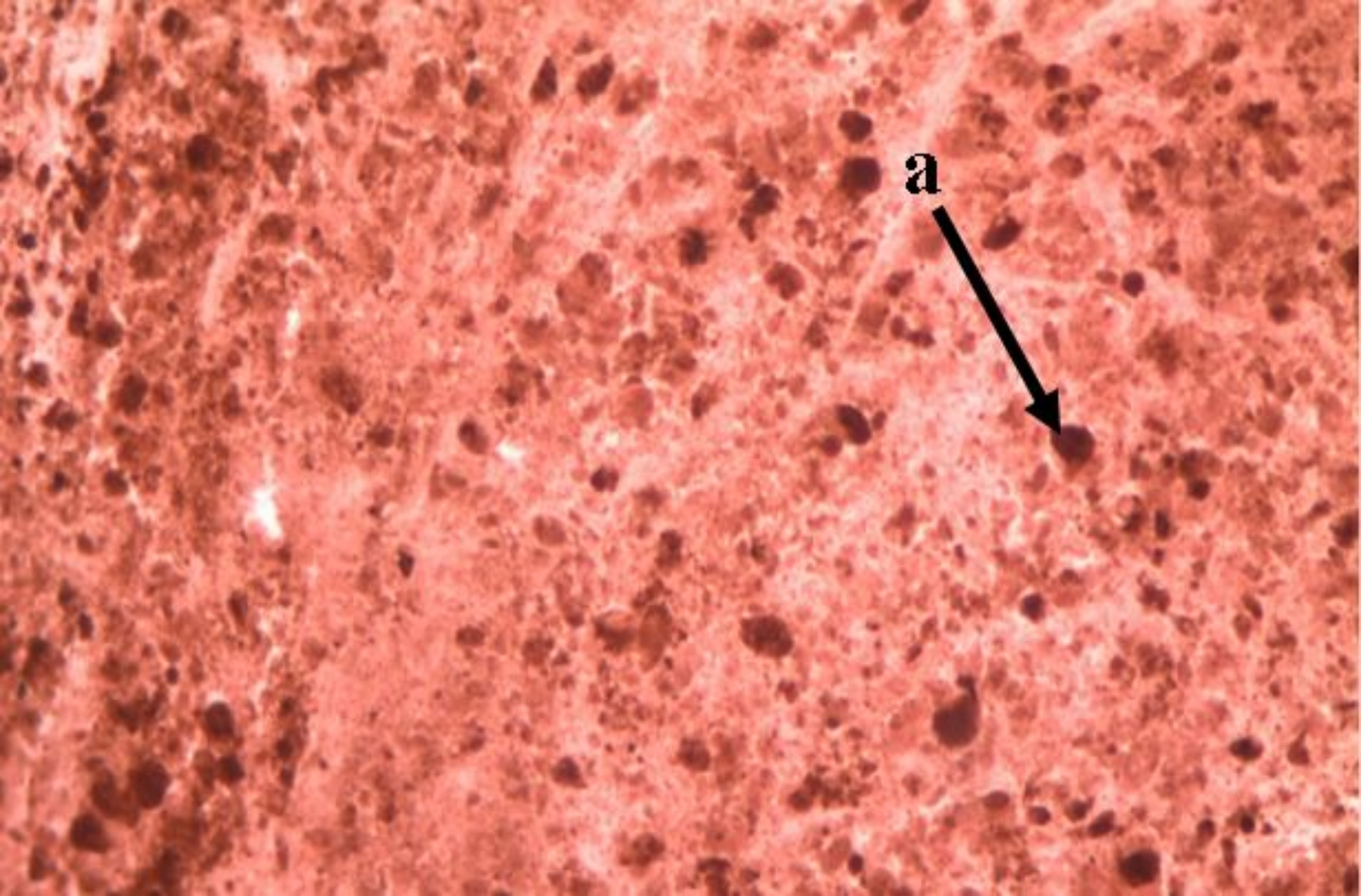
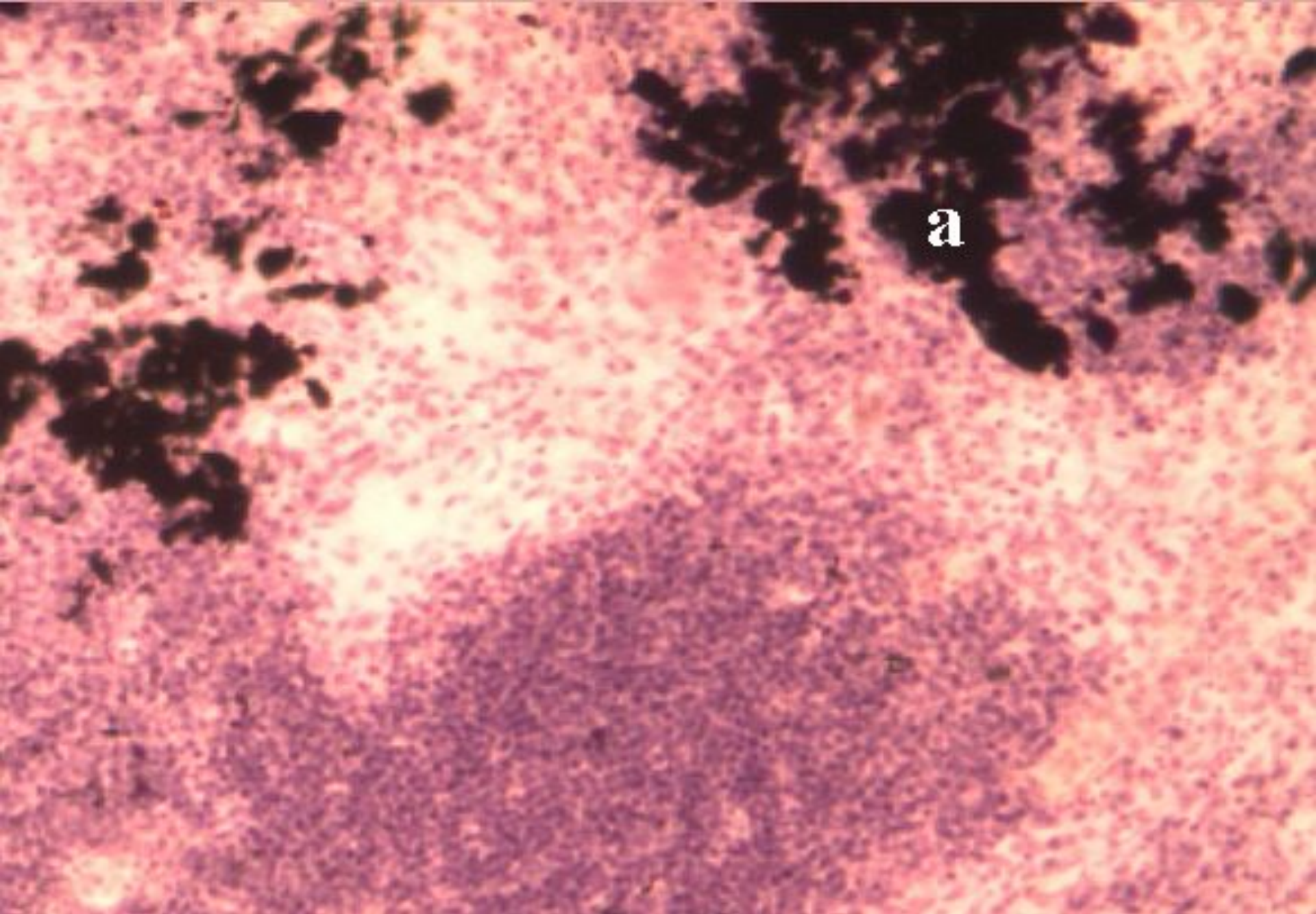


Topic № 4. Disorders of nucleoproteids metabolism. Disorder of metabolism of haemoglobinogenic pigments. Disorder of metabolism of prtoteinonogenic pigments. Disorder of metabolism of lipidogenic pigments.

**Prepared by
d.m.s. Shabdarbaeva D.M.**

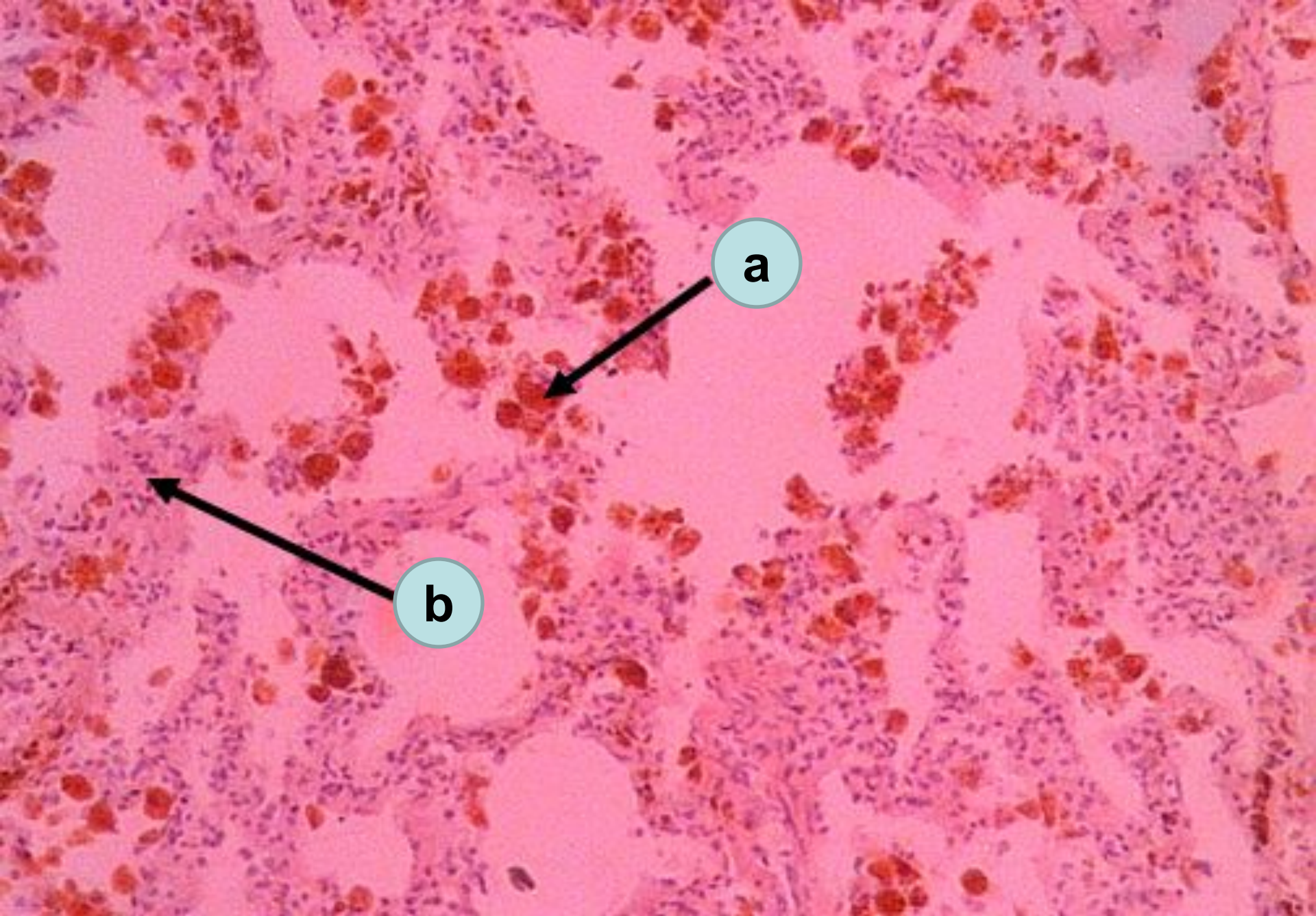


Melanoma
a – granules of melanin



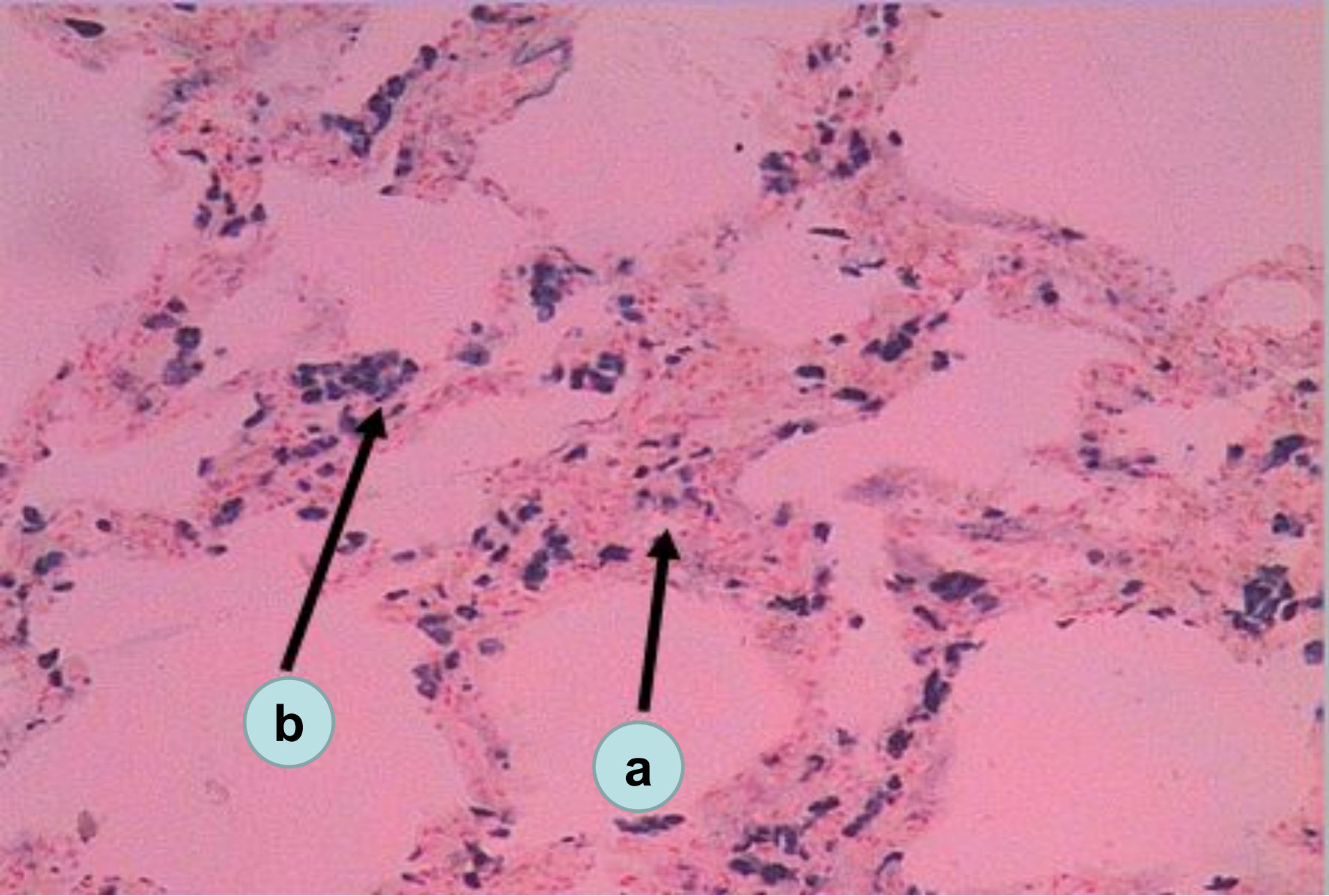
Anthracosis of lymph node

a – black pigment (coal) in tissue of lymph node



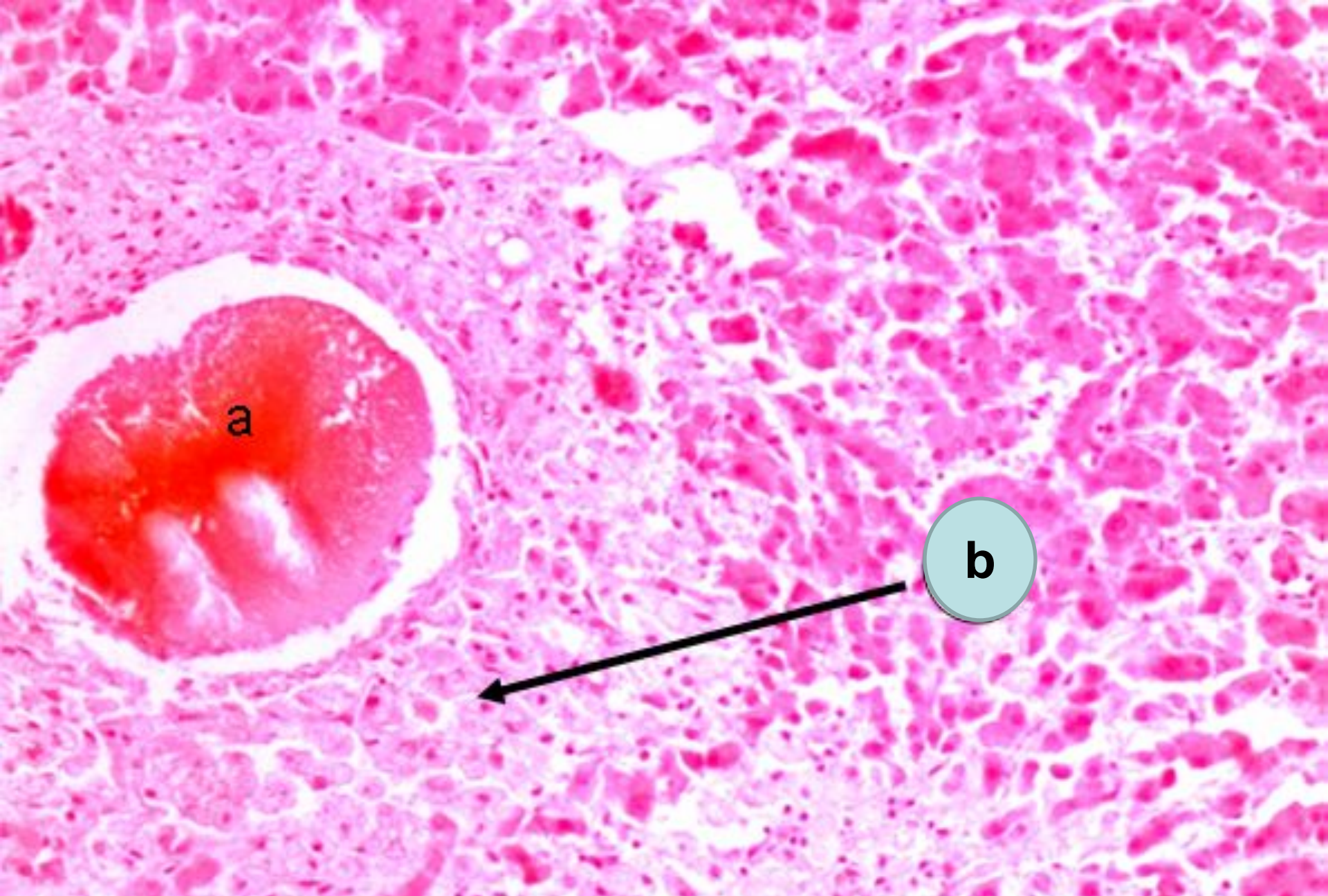
Brown induration of lungs

a – sideroblasts & siderophages; b – thickened interalveolar septa



Brown induration of lungs (staining by Pearls)

a – thickened interalveolar septi; b – granules of hemosiderin (blue color)



Liver in mechanical jaundice
a – biliary thrombus; b – growth of connective tissue