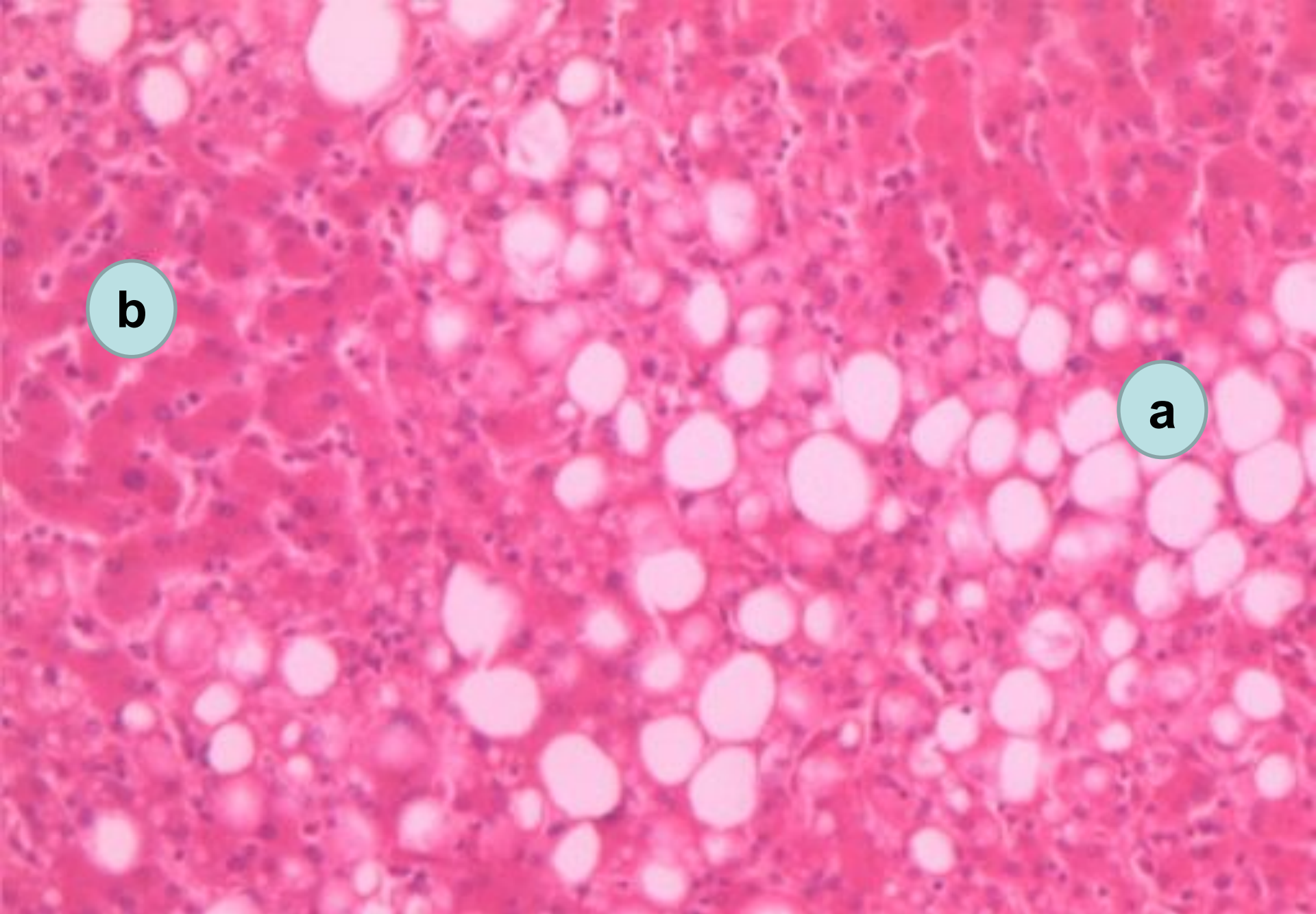
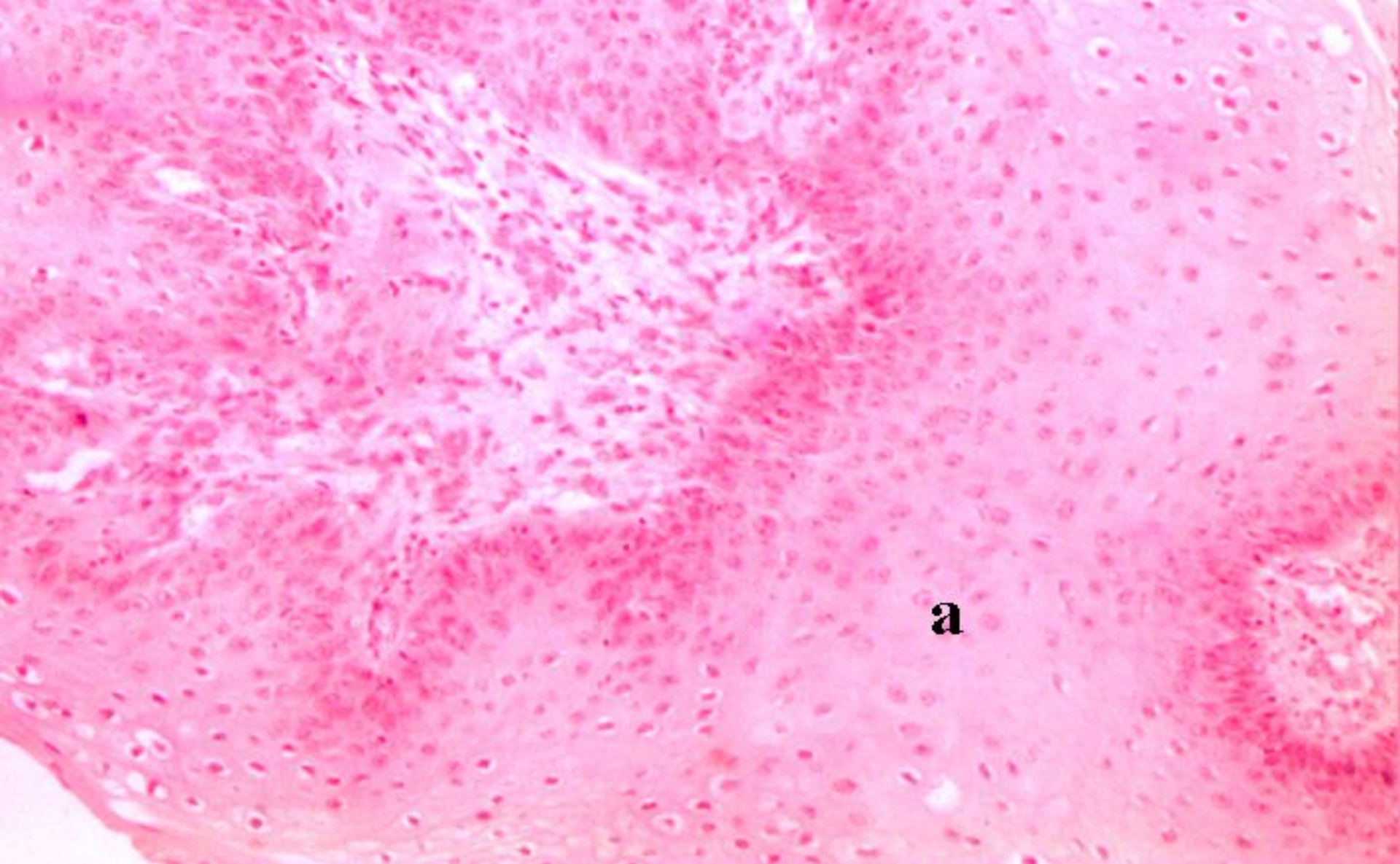


**Topic # 2 “Intracellular disproteinosis: hyaline droplets, vacuolar (balloon) degenerations, and hyperkeratosis. Intracellular lipidosis. Fatty changes of myocardium, liver, kidneys. Intracellular carbohydrate degenerations (glycogenosis).”**

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

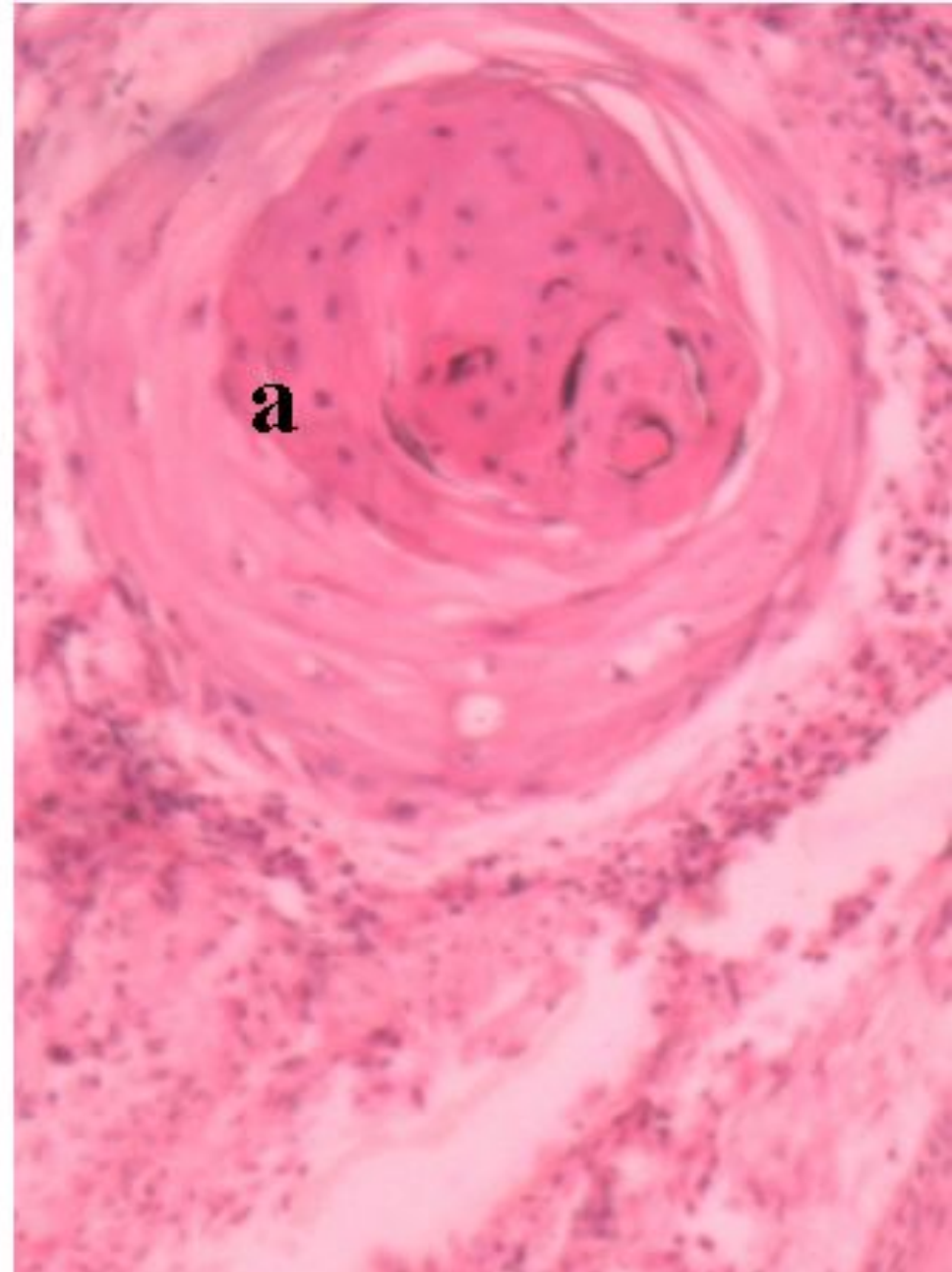
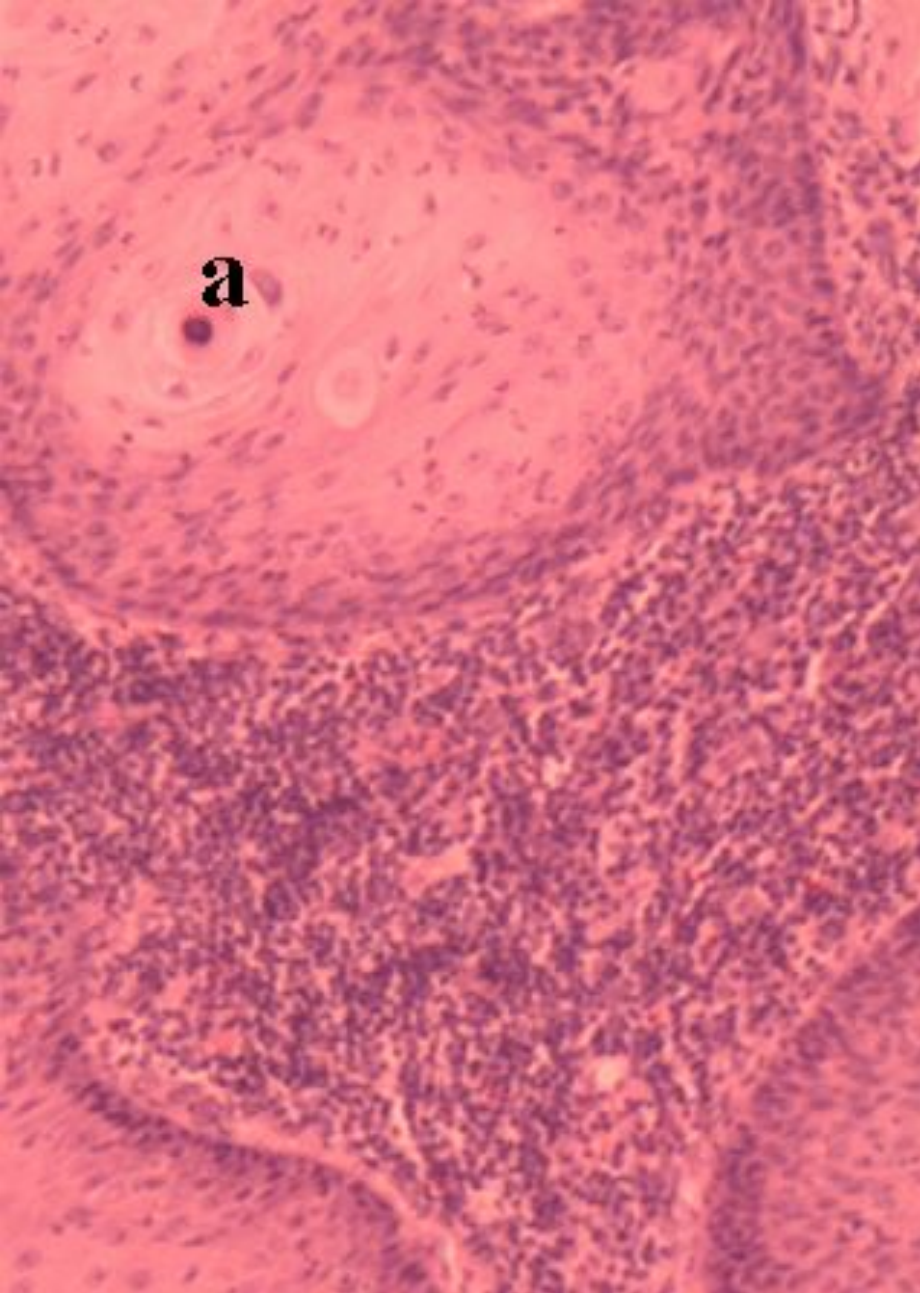


**Steatosis of liver**  
**a –fat vacuoles, b – hepatocytes**



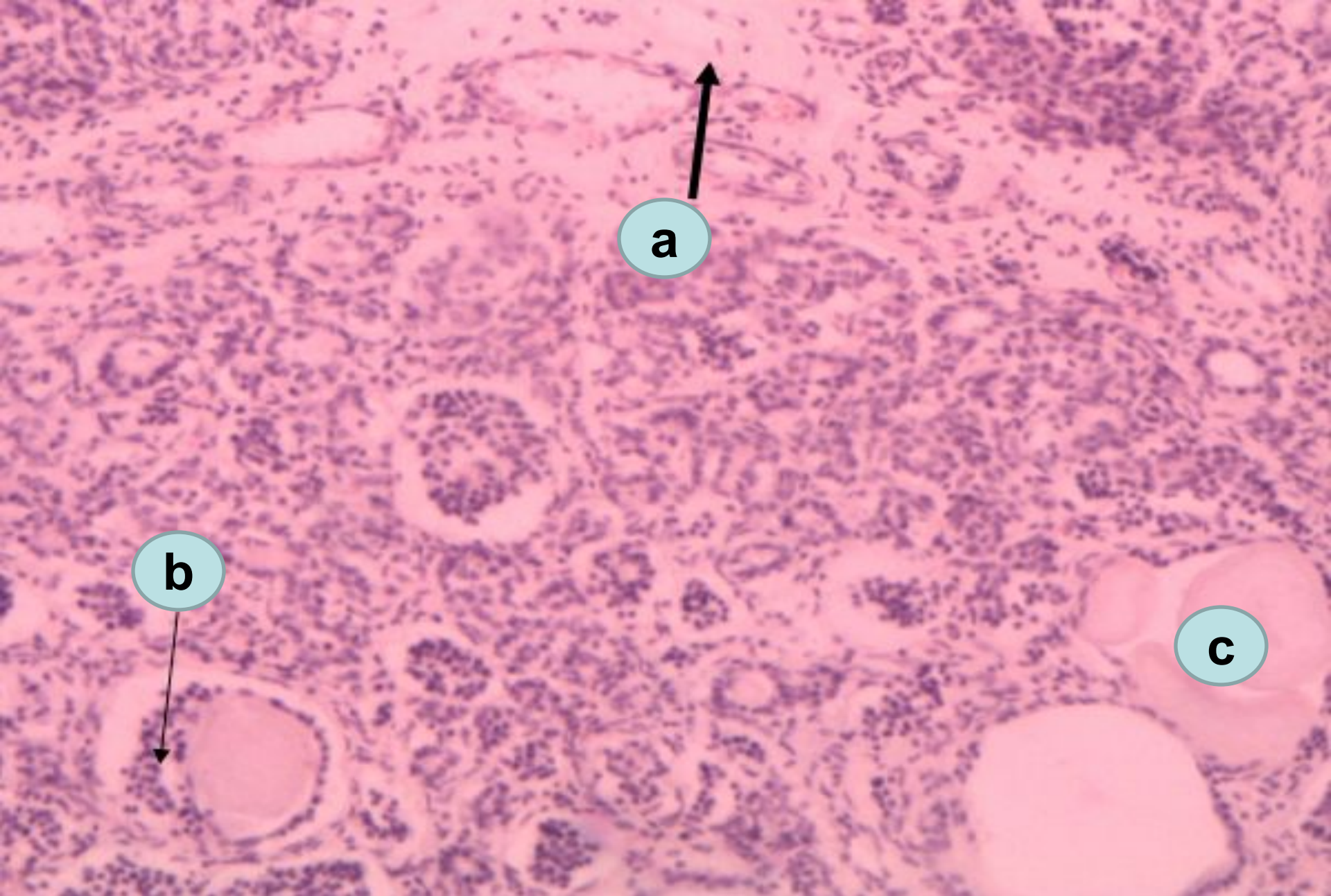
Hyperkeratosis (papilloma)  
a – excessive formation of keratin





Squamous carcinoma  
a – «cancer pearls»





**Cystic fibrosis of pancreas**

**a – growth of connective tissue; b – proliferation of excretory ducts**

**c – accumulation of colloid masses in dilated lumens of excretory ducts**