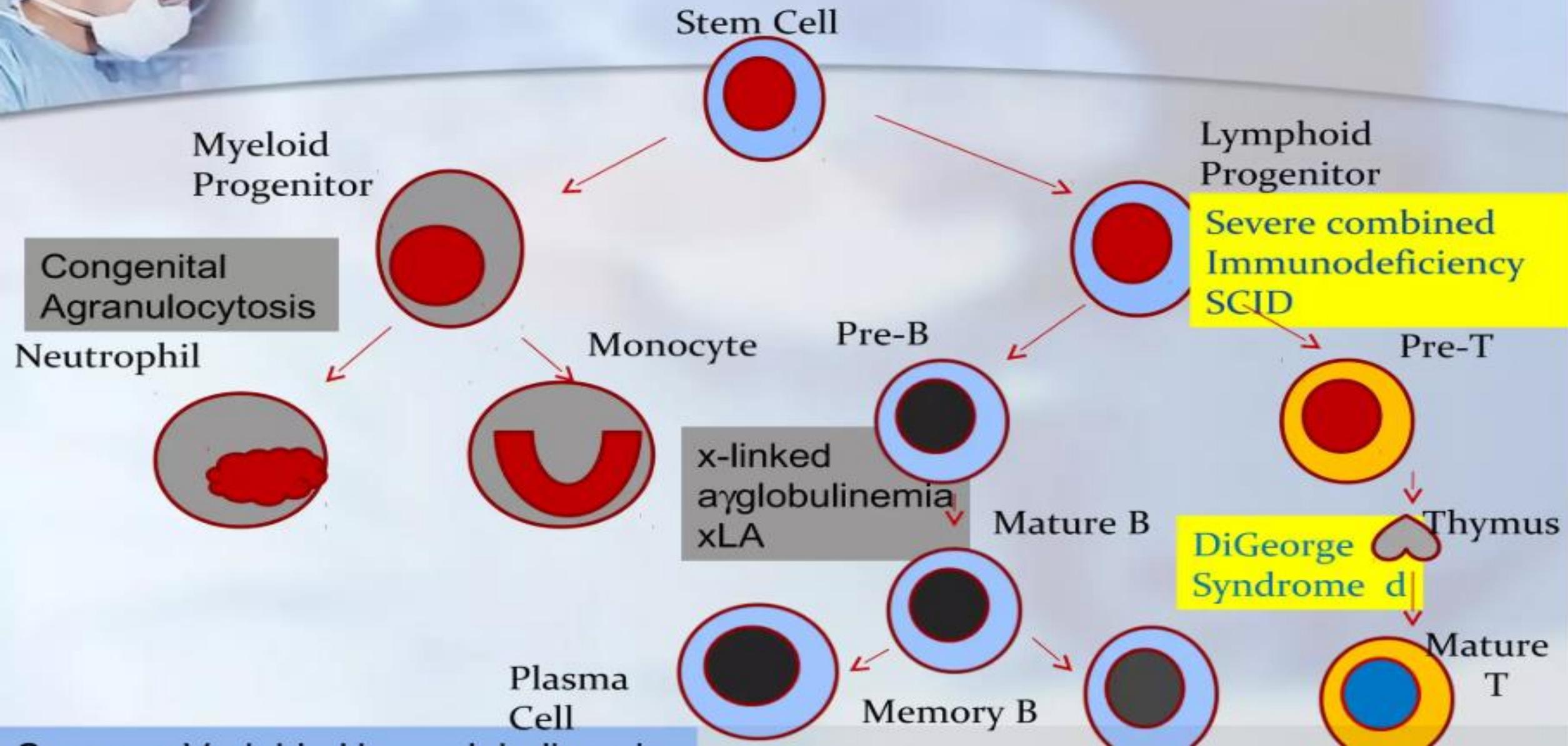
The background features a gradient from light purple at the top to light blue at the bottom. It is decorated with several realistic water droplets of various sizes, some with highlights and shadows. A faint, large, light-colored circular graphic is centered behind the text.

IMMUNE-DEFICIENCY DISEASES AND TRANSPLANT REJECTION LAB

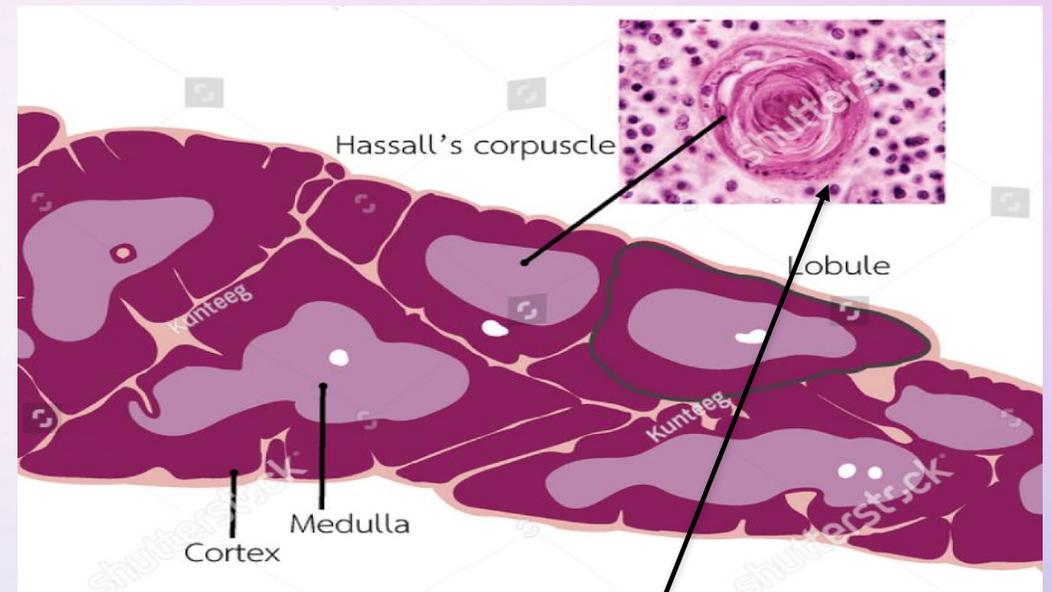
DR. HIND AL-SARAYRAH, M.D

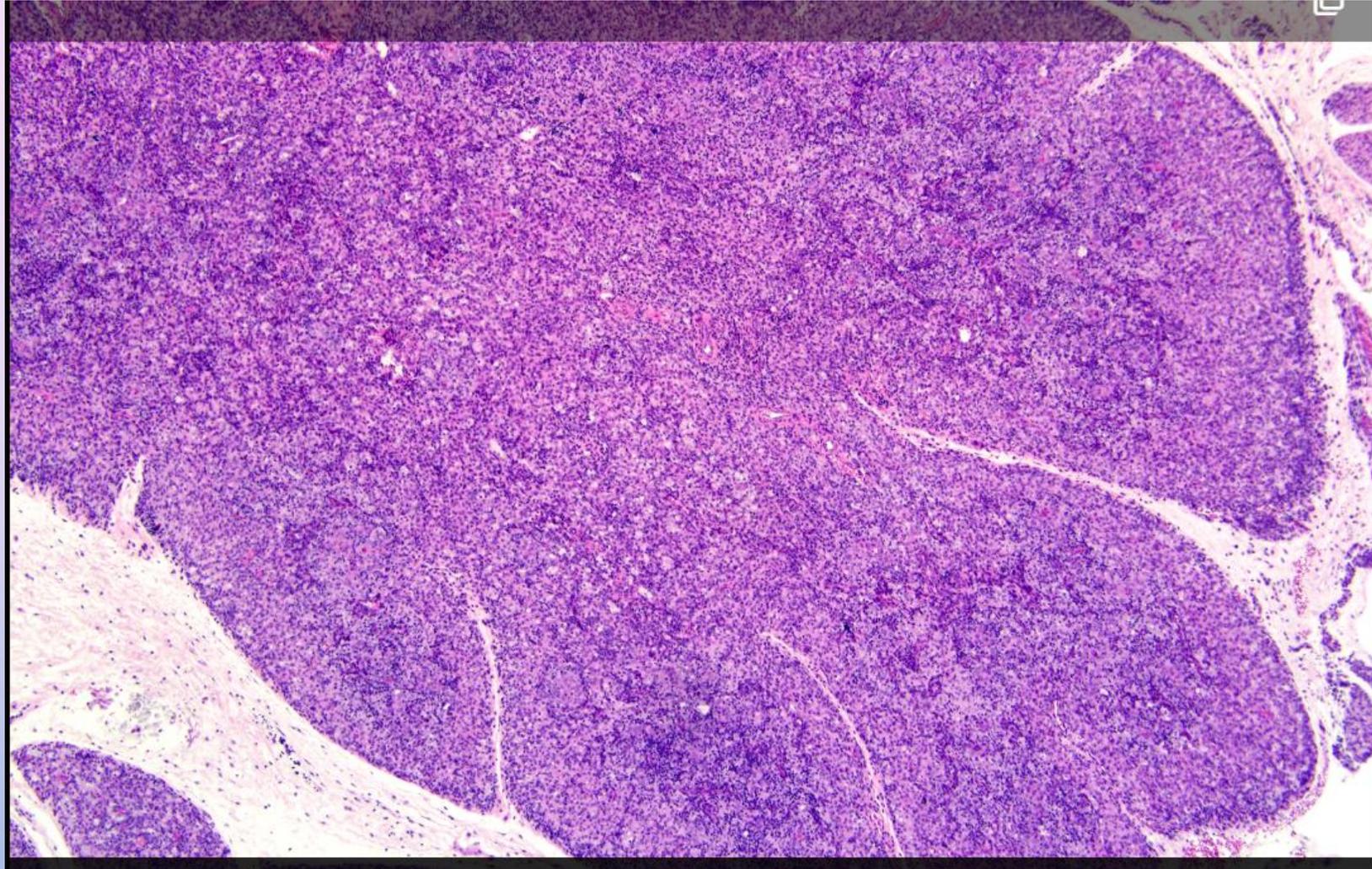
Primary Immunodeficiencies



Thymic hypoplasia in DiGeorge Syndrome

Normal thymus gland

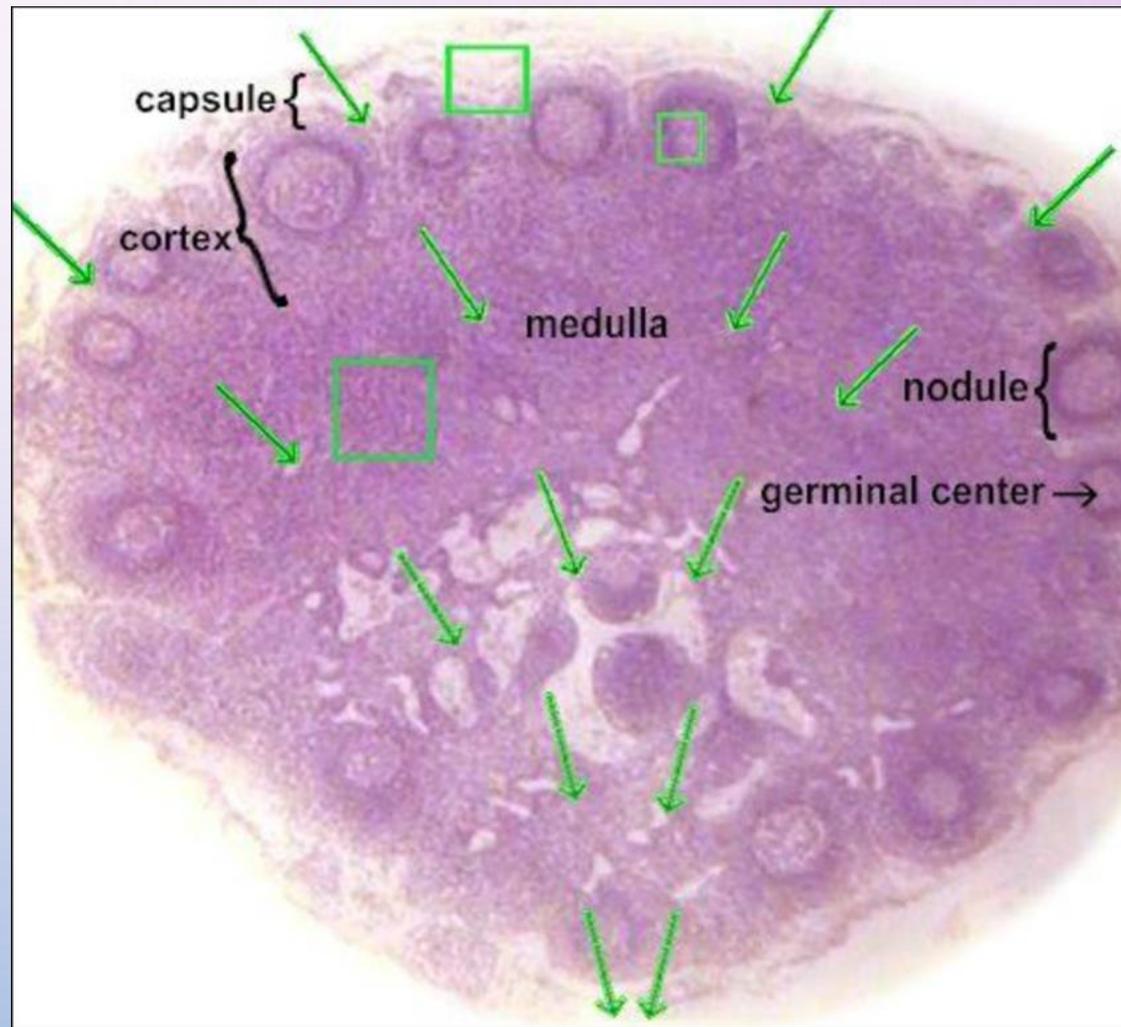
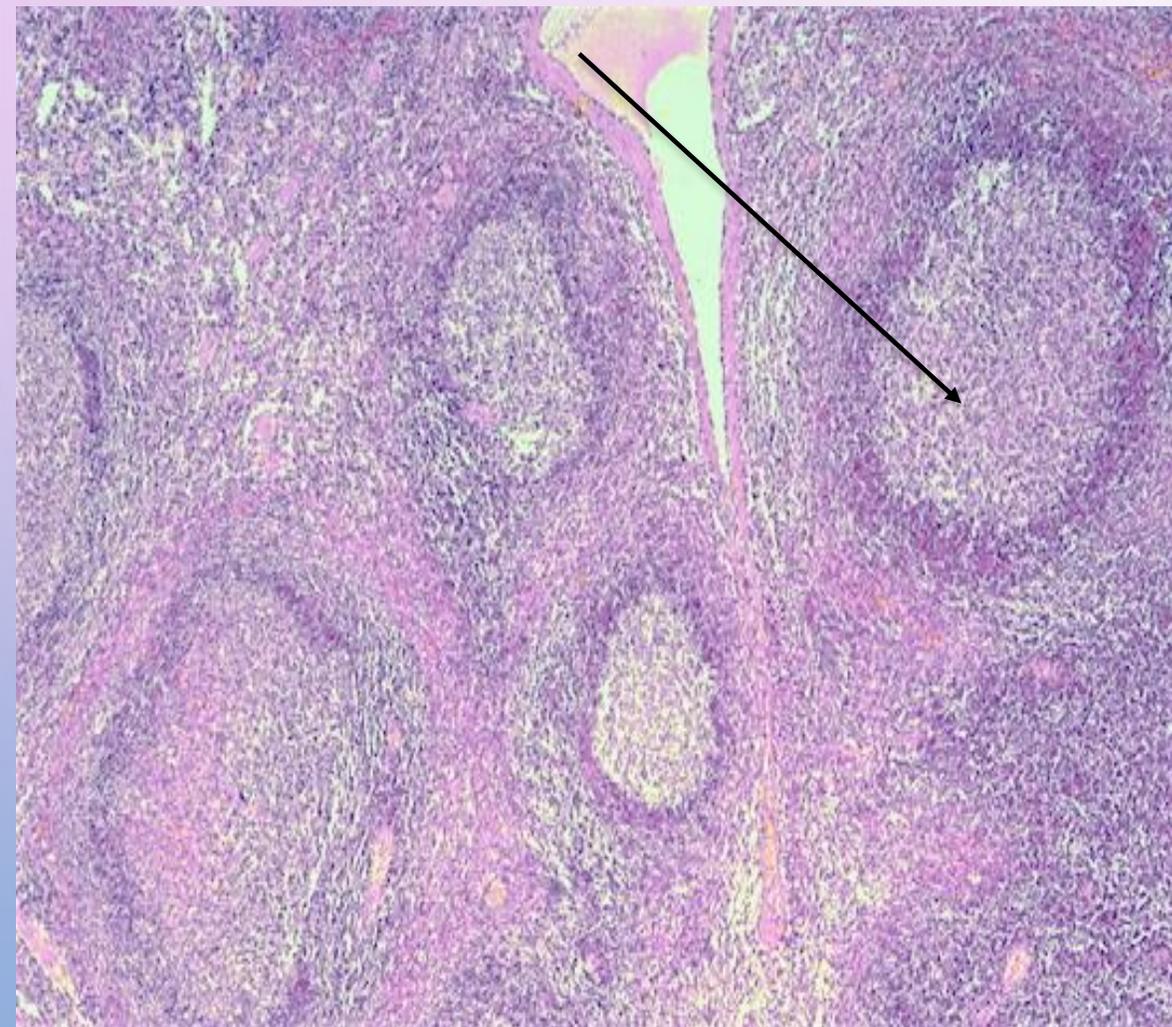




**Loss of distinction between cortex and medulla,
decrease Hassall's corpuscle**

Germinal centers

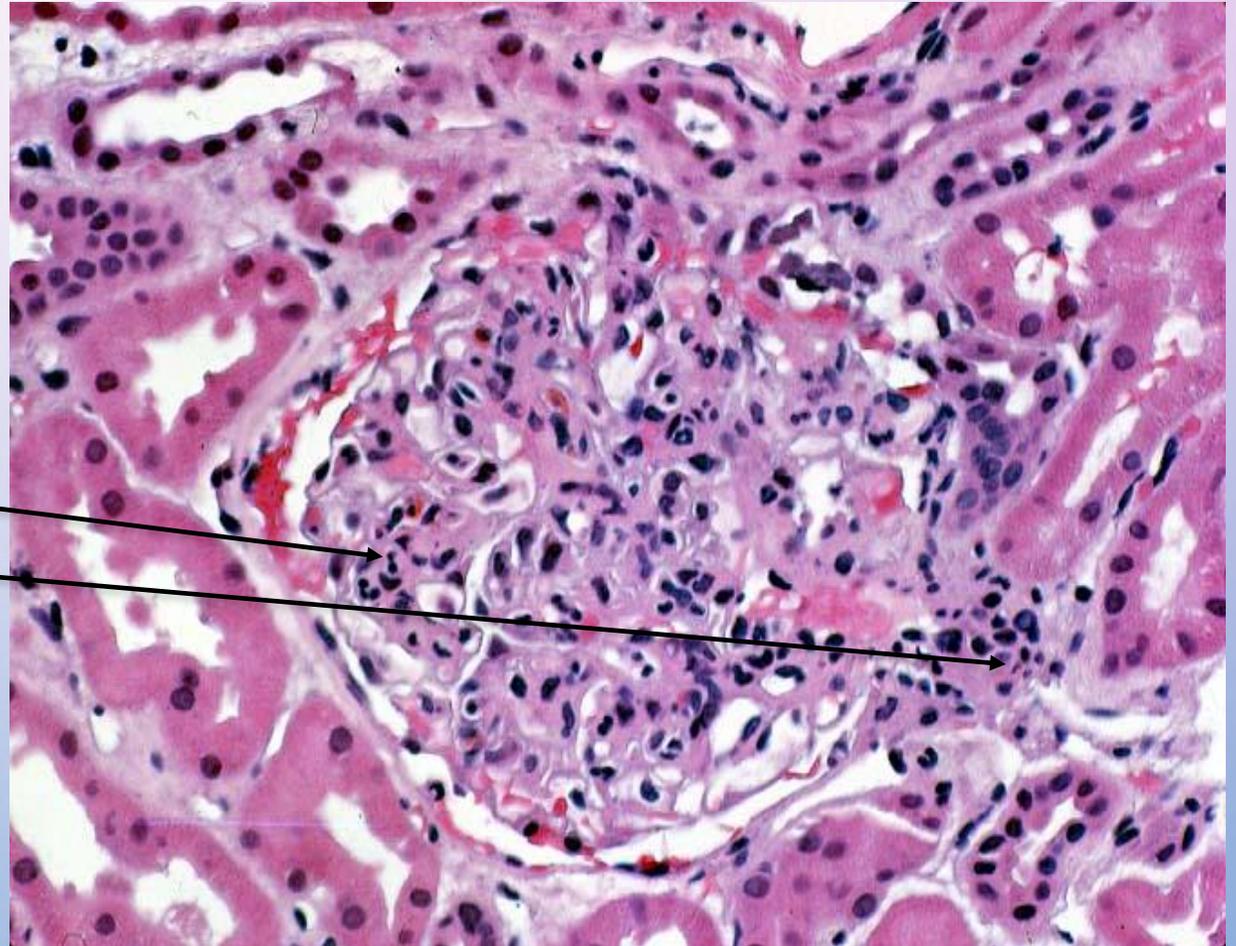
SCID



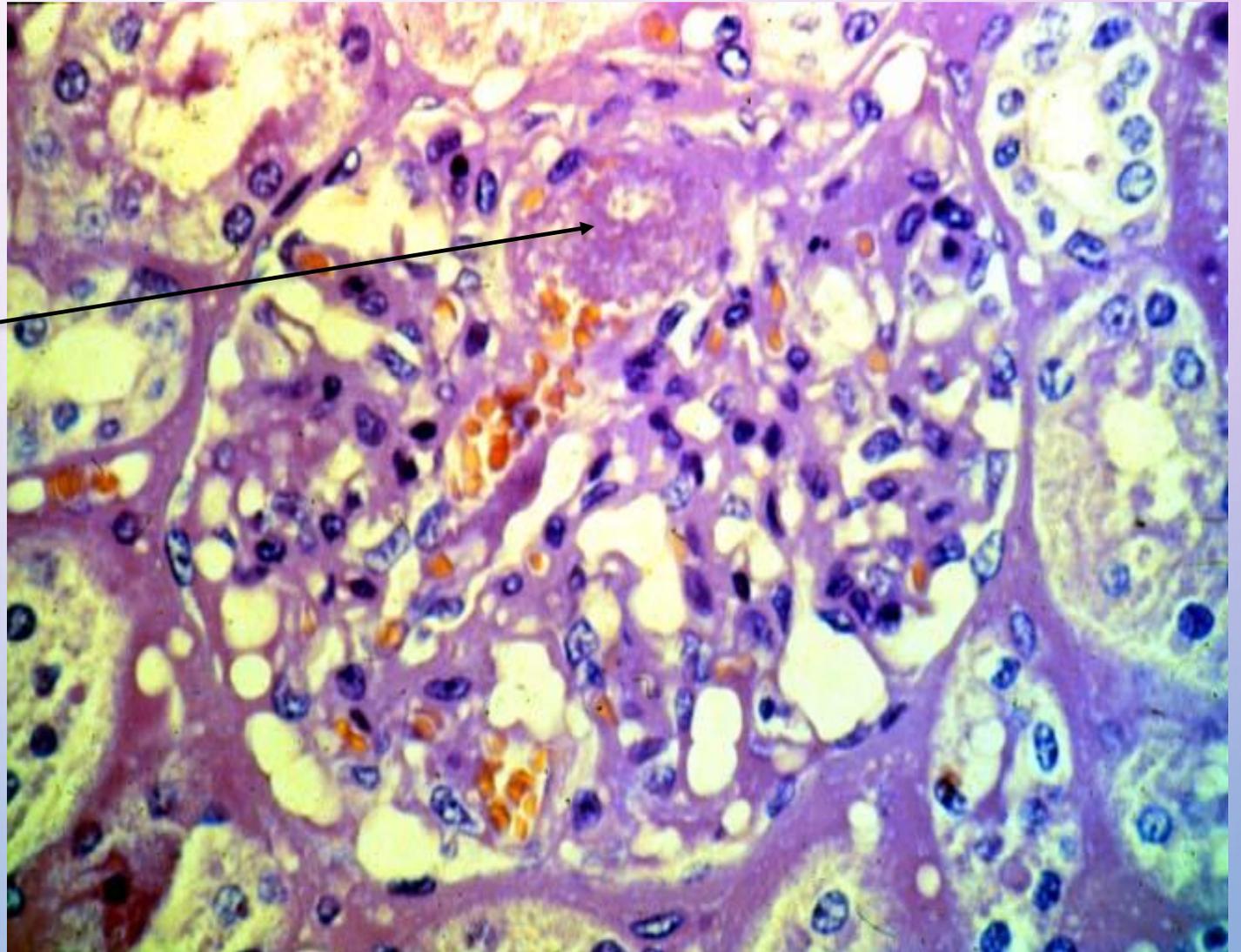
Normal lymph node

Hyperacute renal transplant rejection

Early post-transplant allograft biopsy showing a glomerulus with prominent neutrophil infiltration. A few neutrophils are also seen in the interstitium

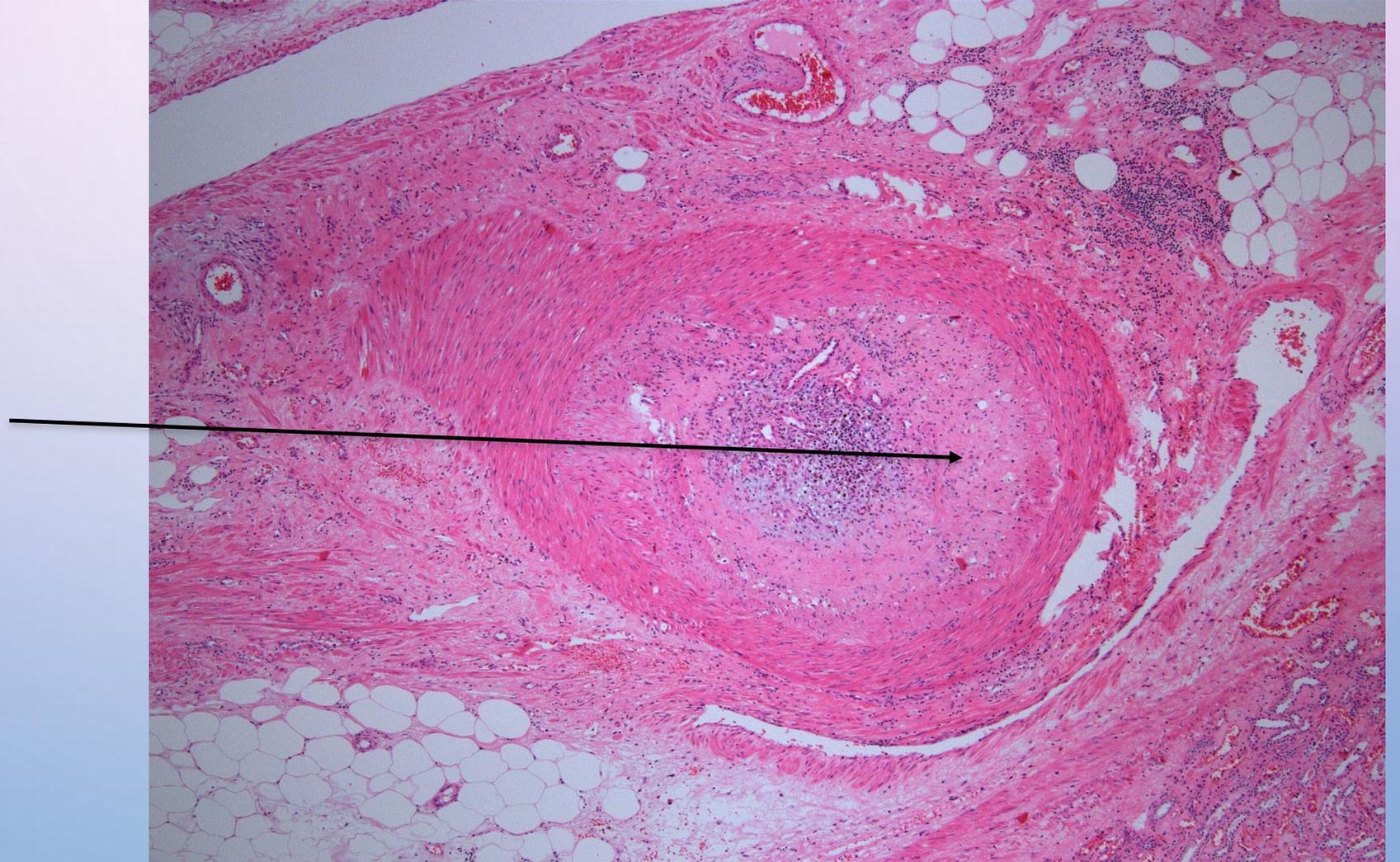


**Arteriolar
thrombosis**



Chronic renal transplant rejection

intimal thickening
and lymphocytic
infiltration



showing both intimal
lymphocytes and
fibrosis

