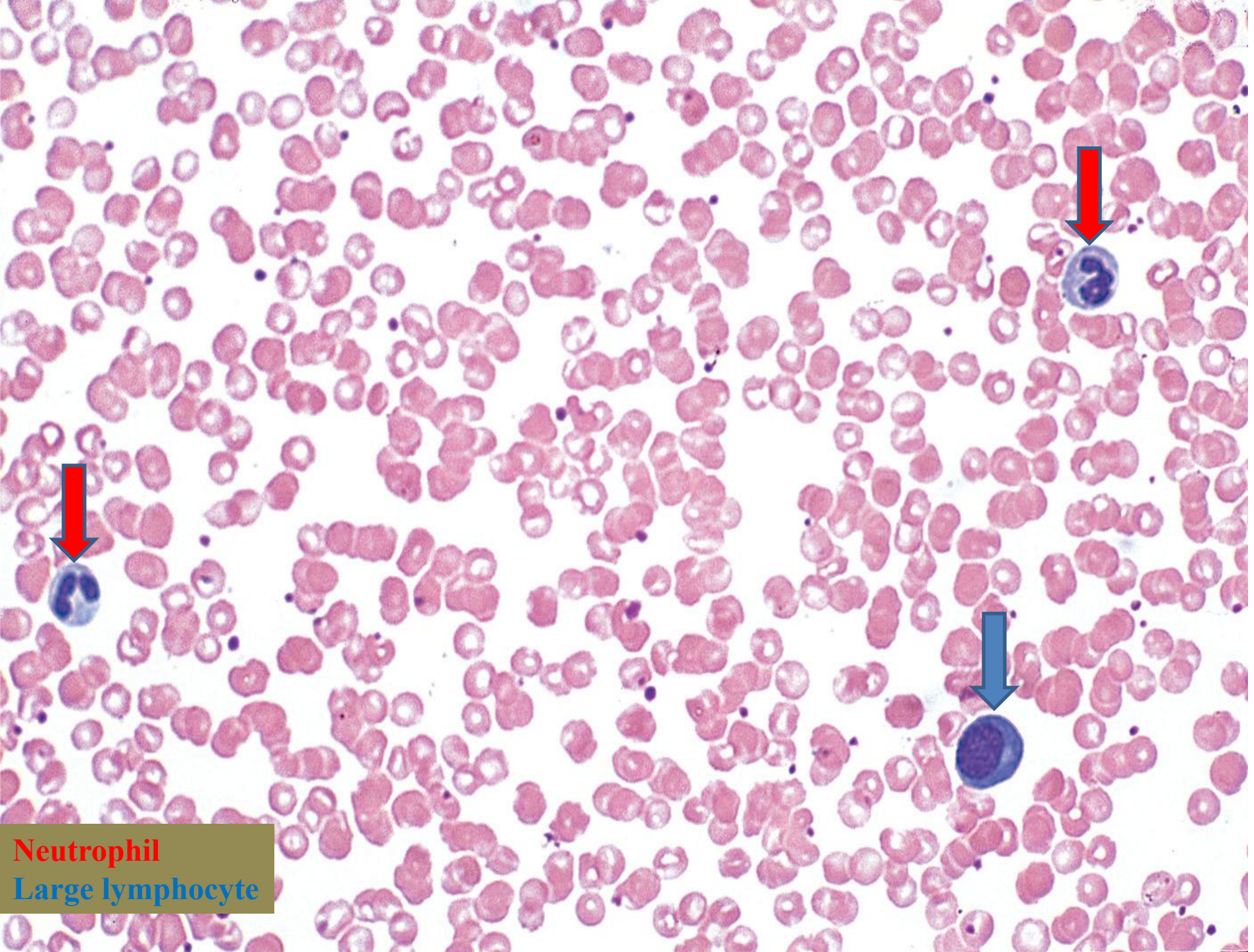
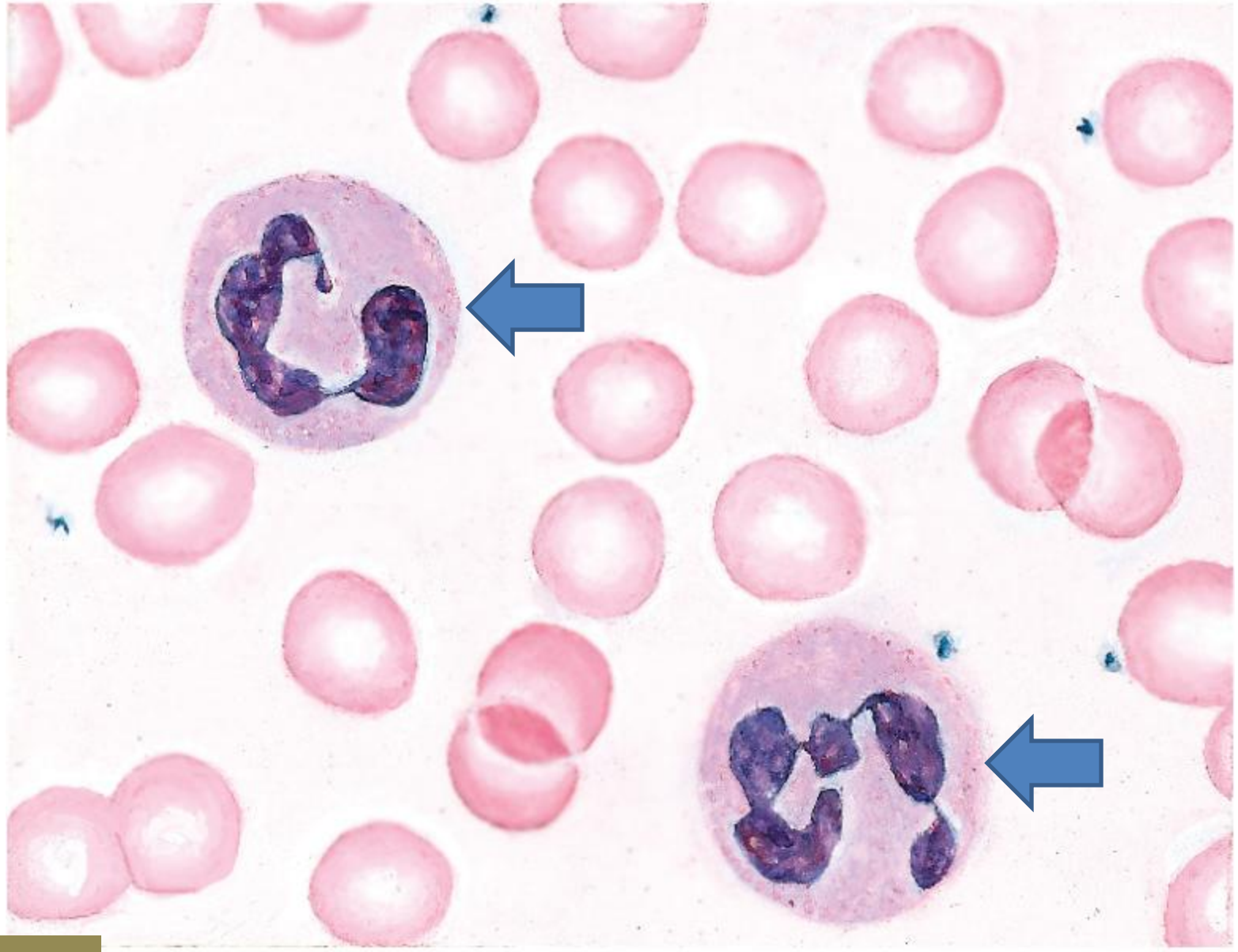
Hemato-lymphoid system

Lab 1

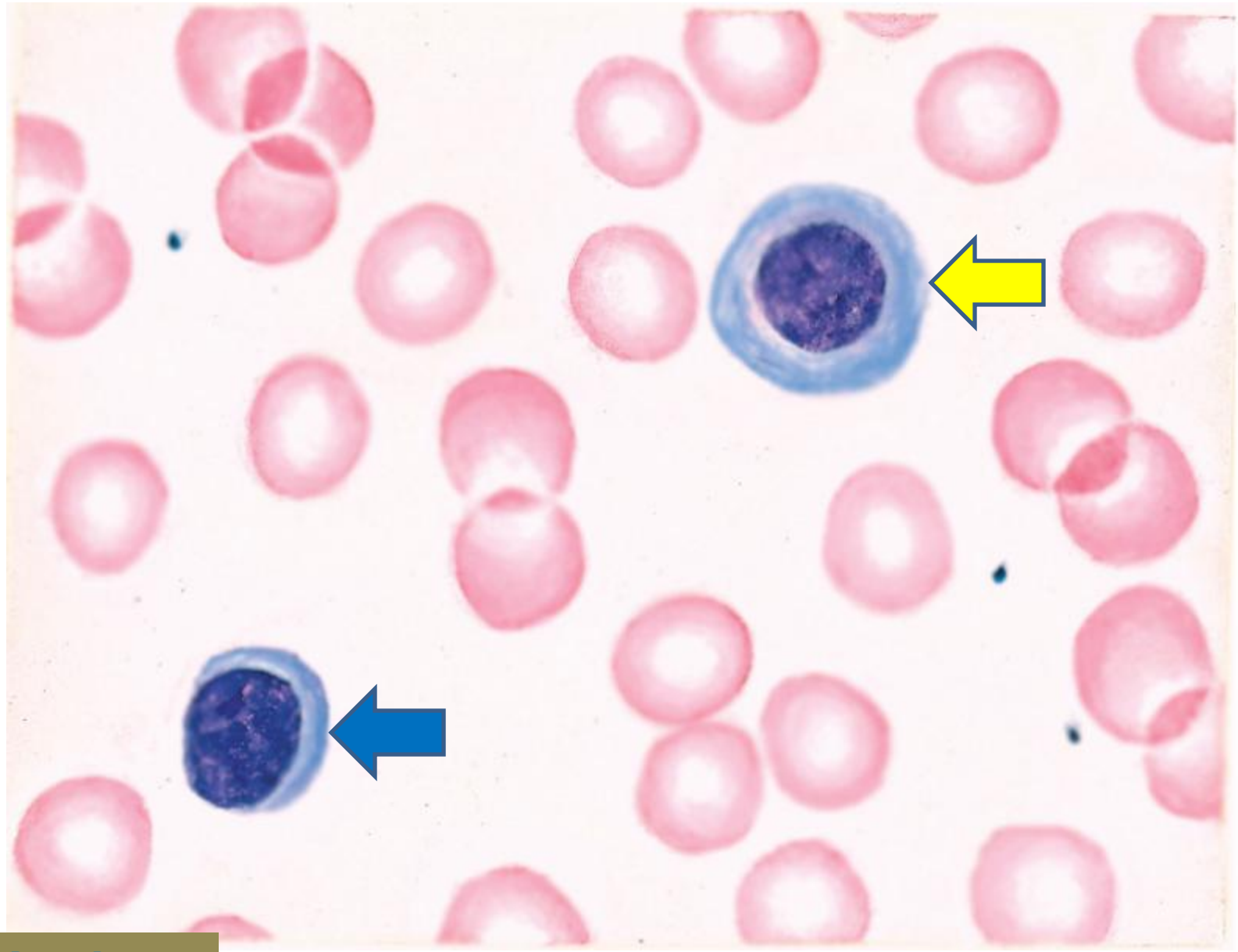
(Blood Cells & Primary Lymphatic Organs)

Dr. Heba Kalbouneh
DDS, MSc, DMD/PhD
Professor of Anatomy, Histology and Embryology

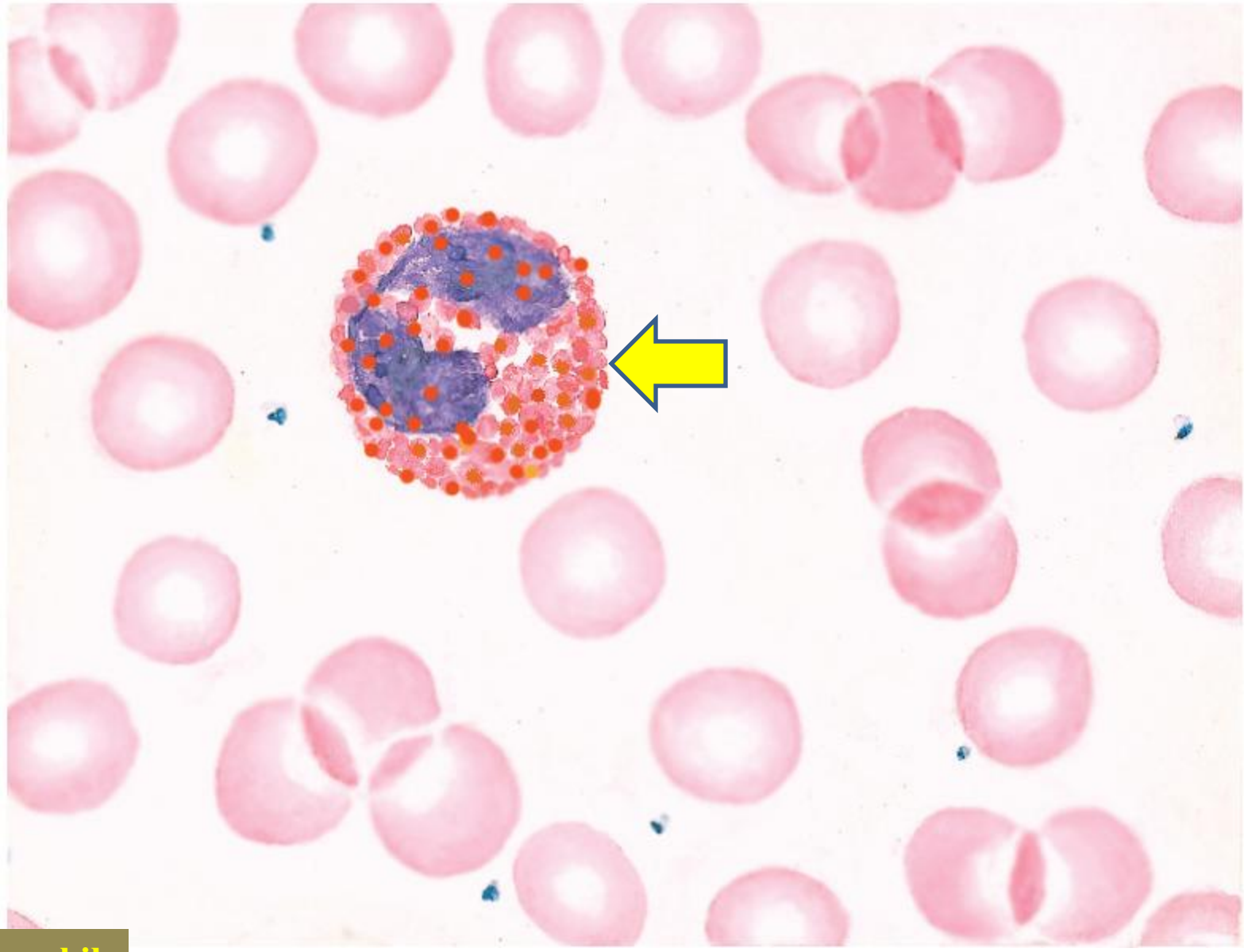

Neutrophil
Large lymphocyte



Neutrophil

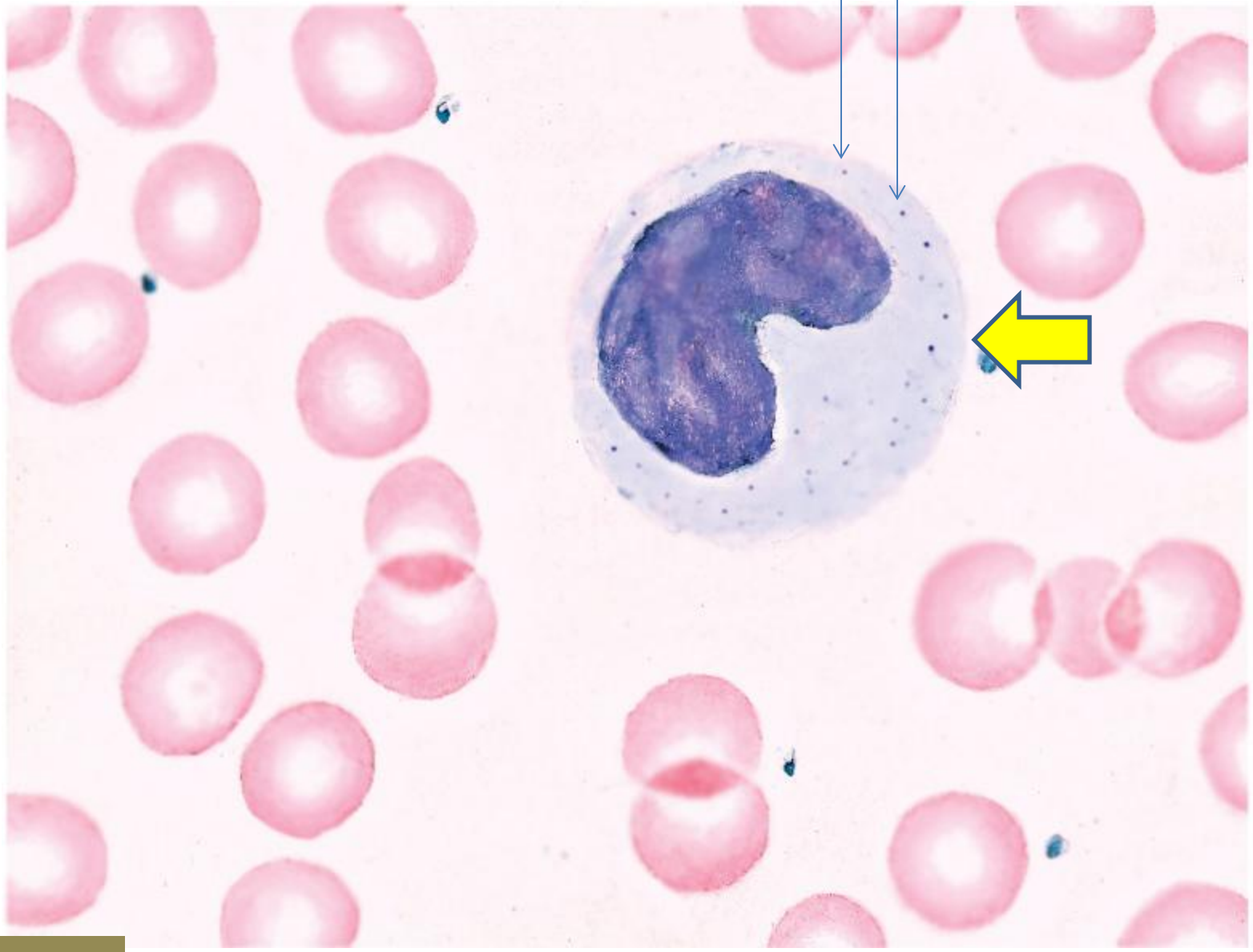


Small lymphocyte
Large lymphocyte

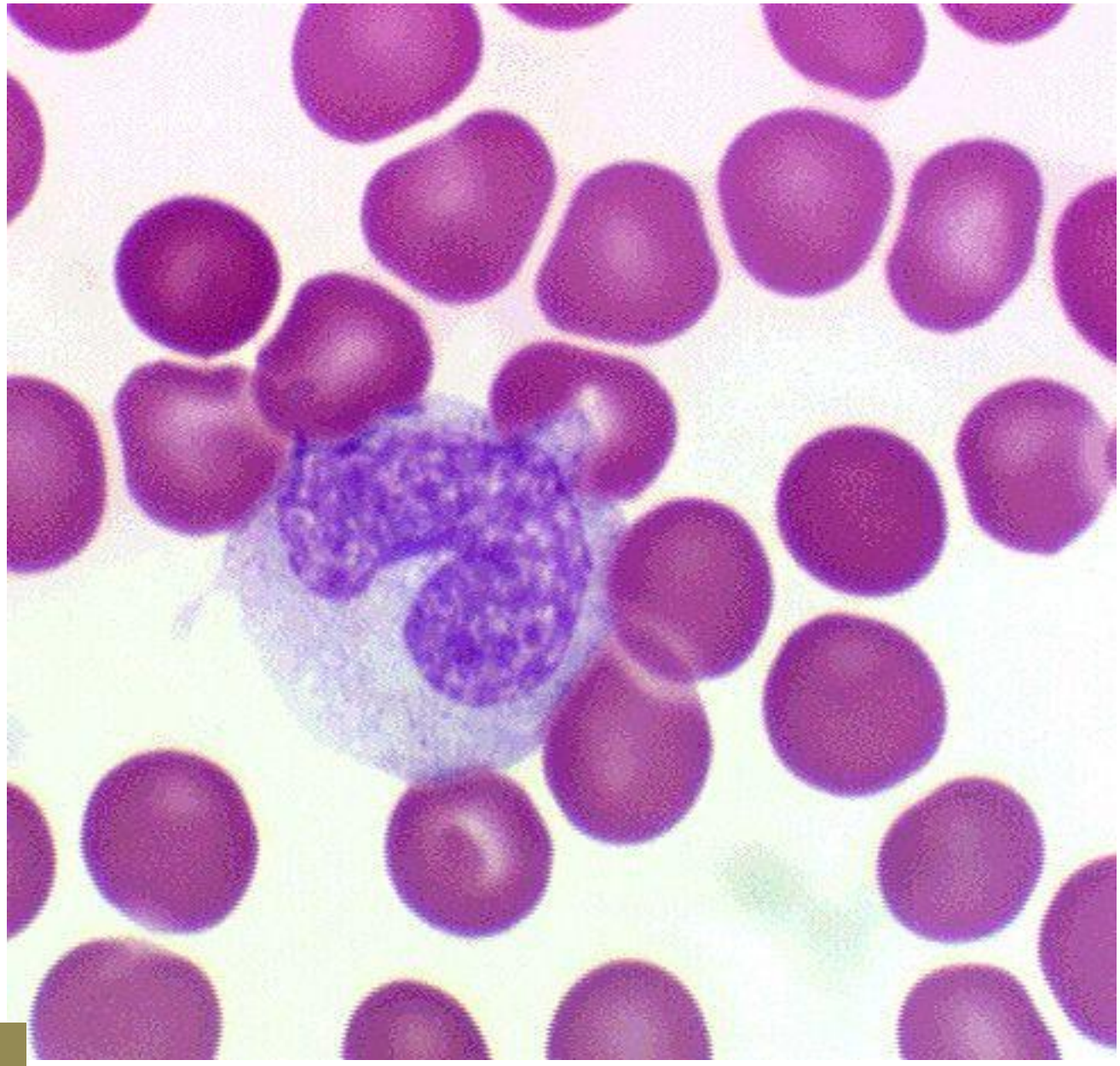


Eosinophil

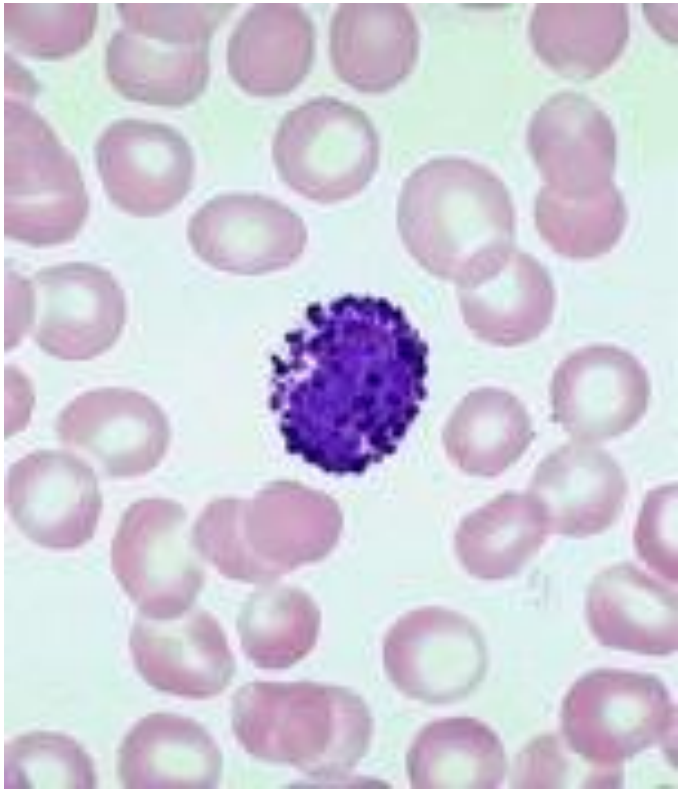
These are azurophilic non specific granules not specific granules



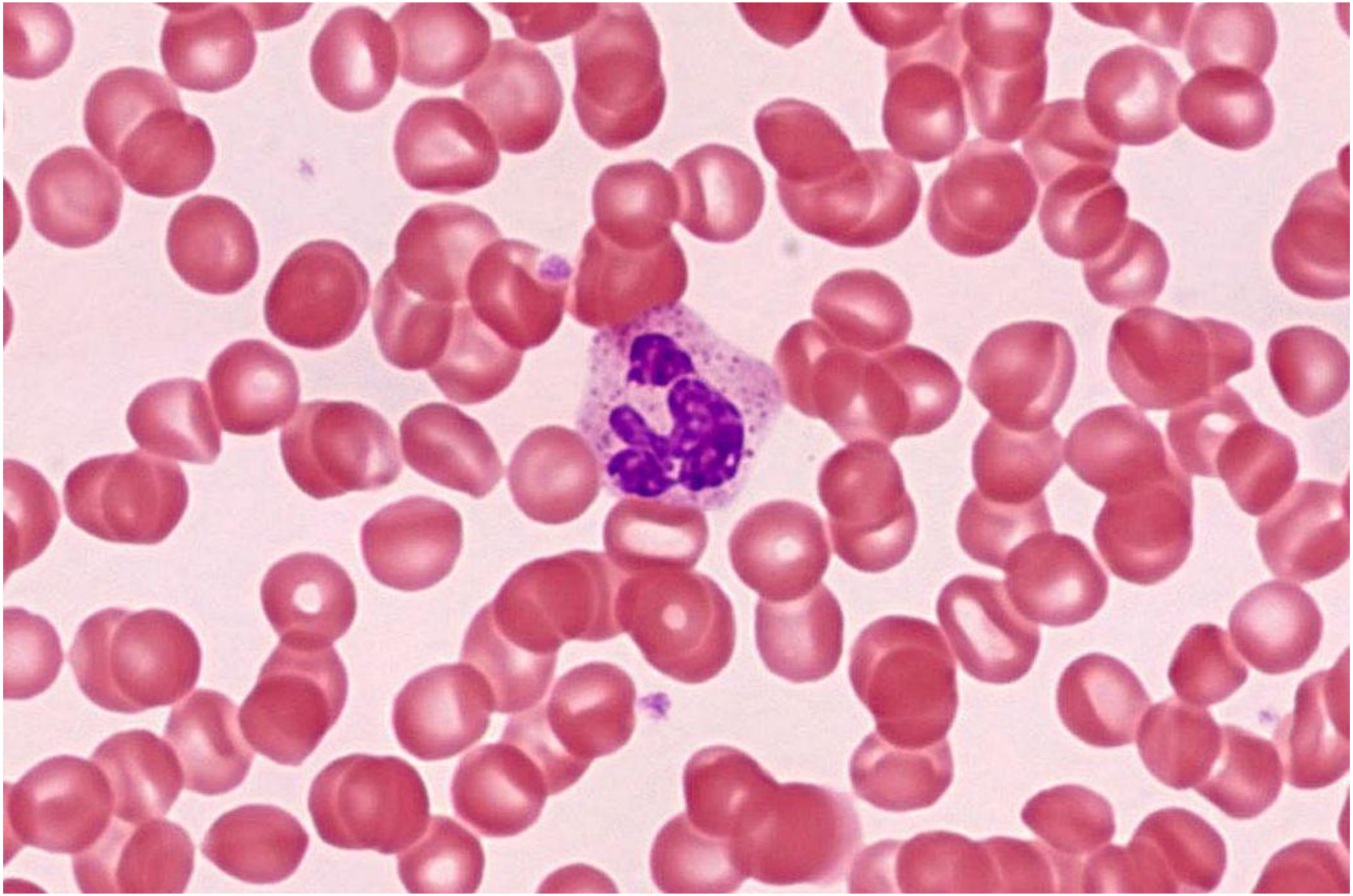
Monocyte



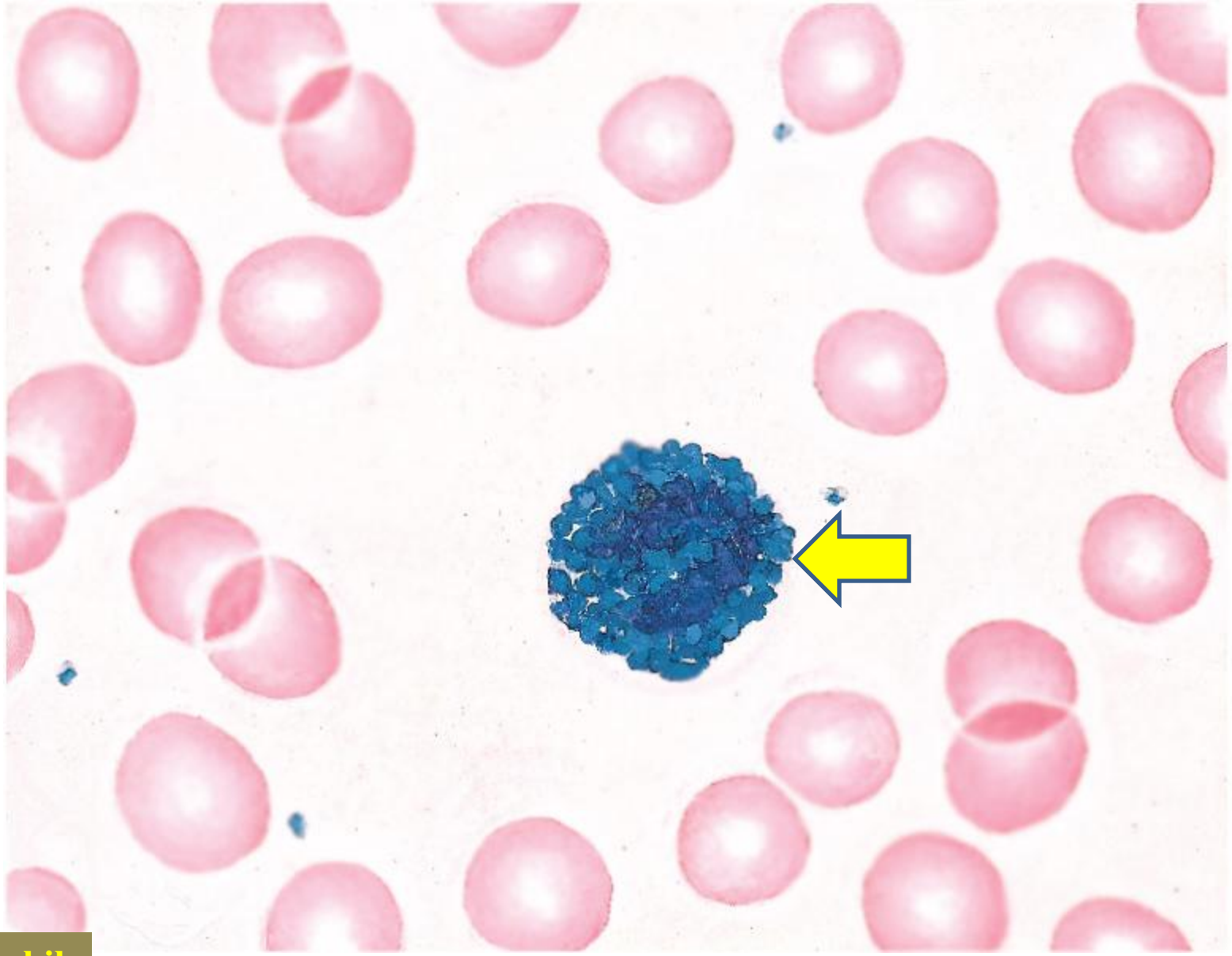
Monocyte



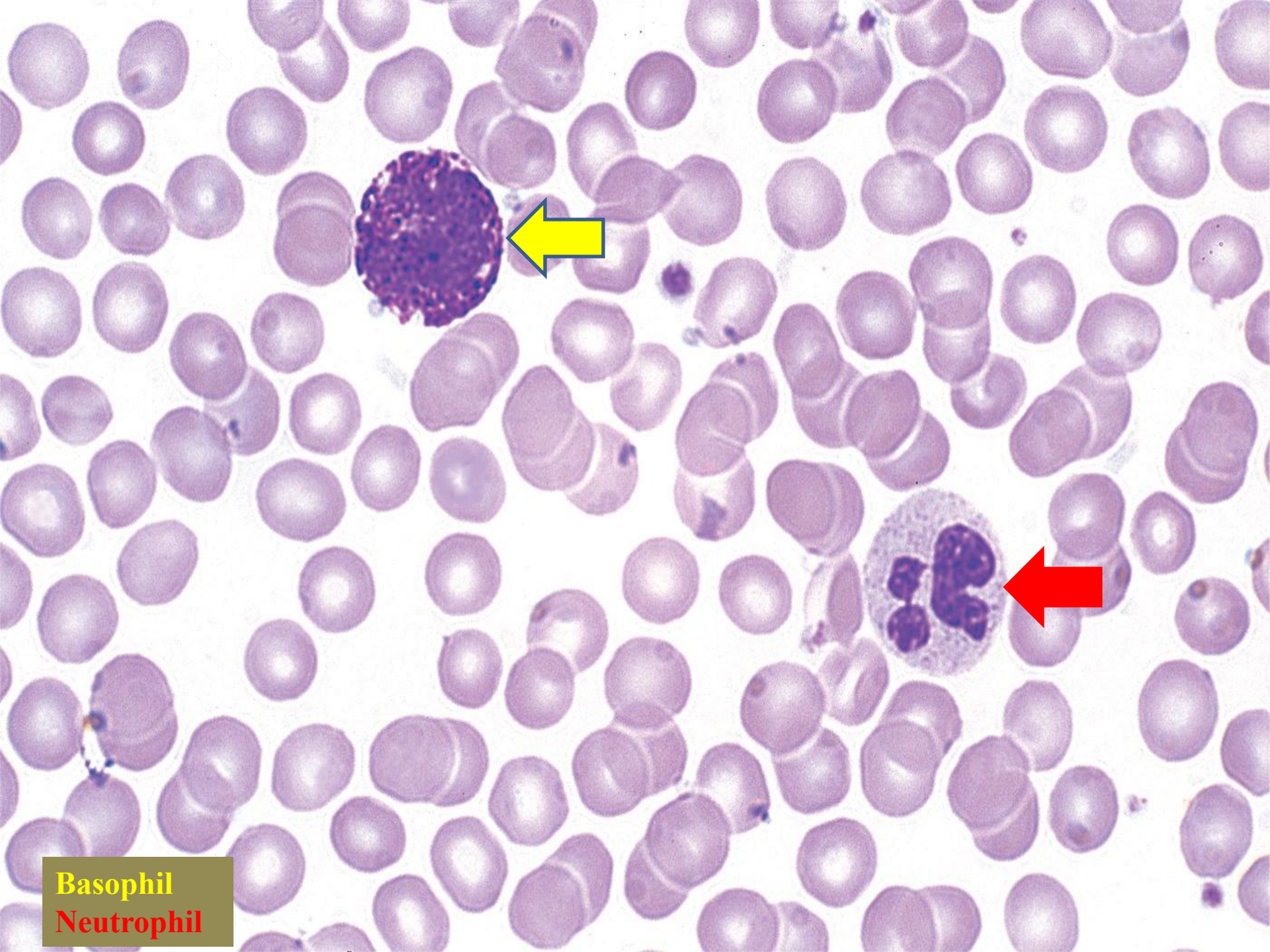
Basophil

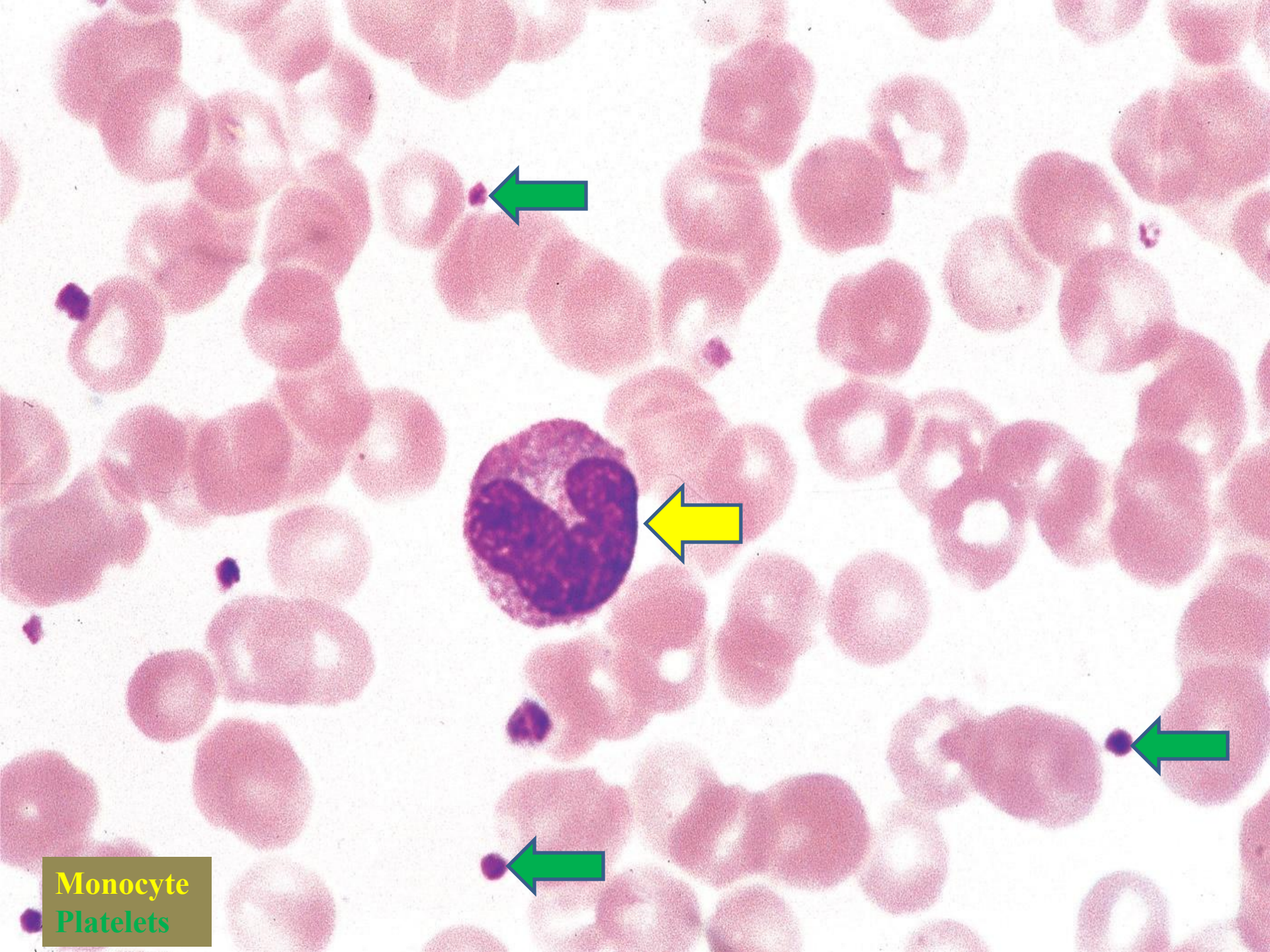


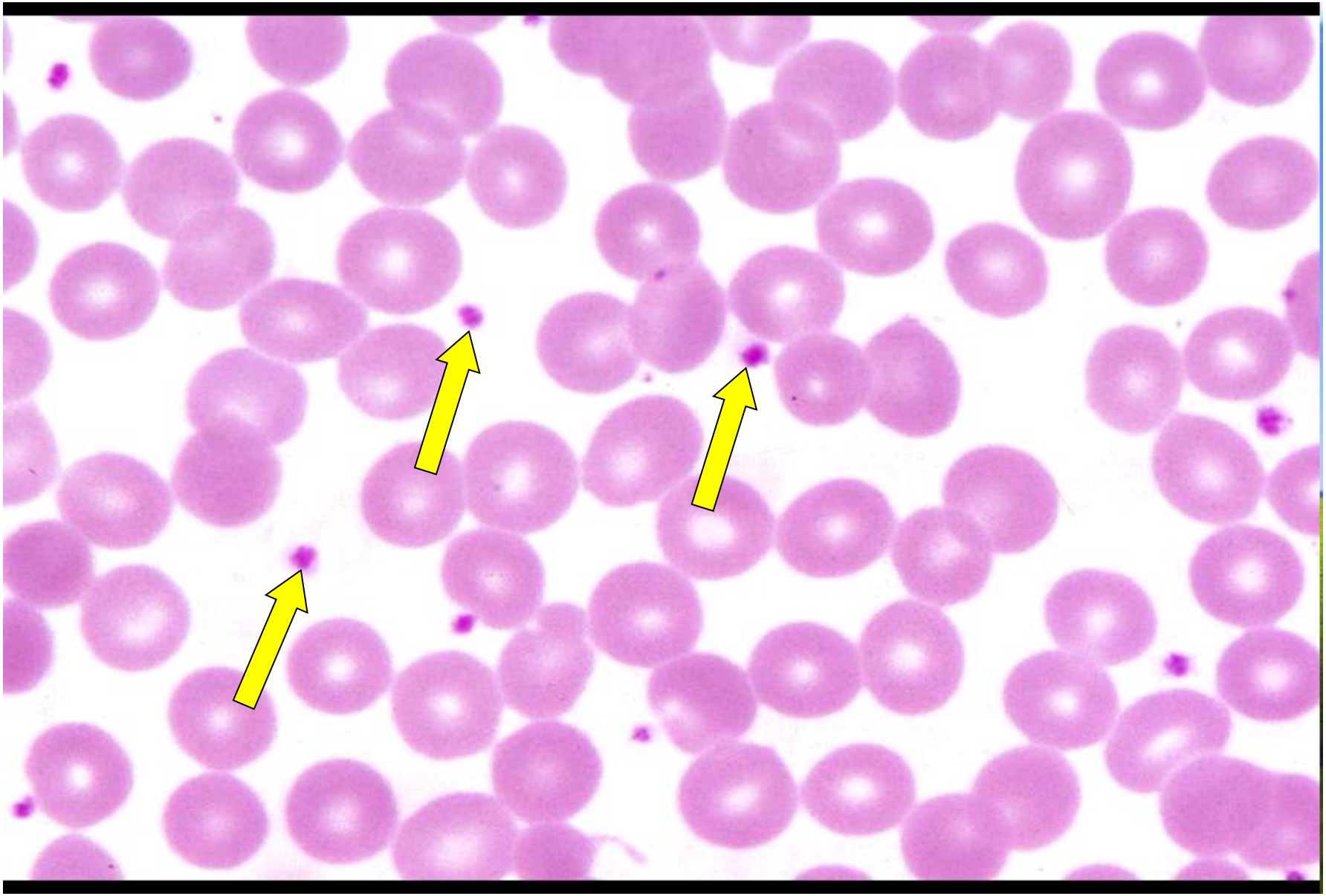
Neutrophil



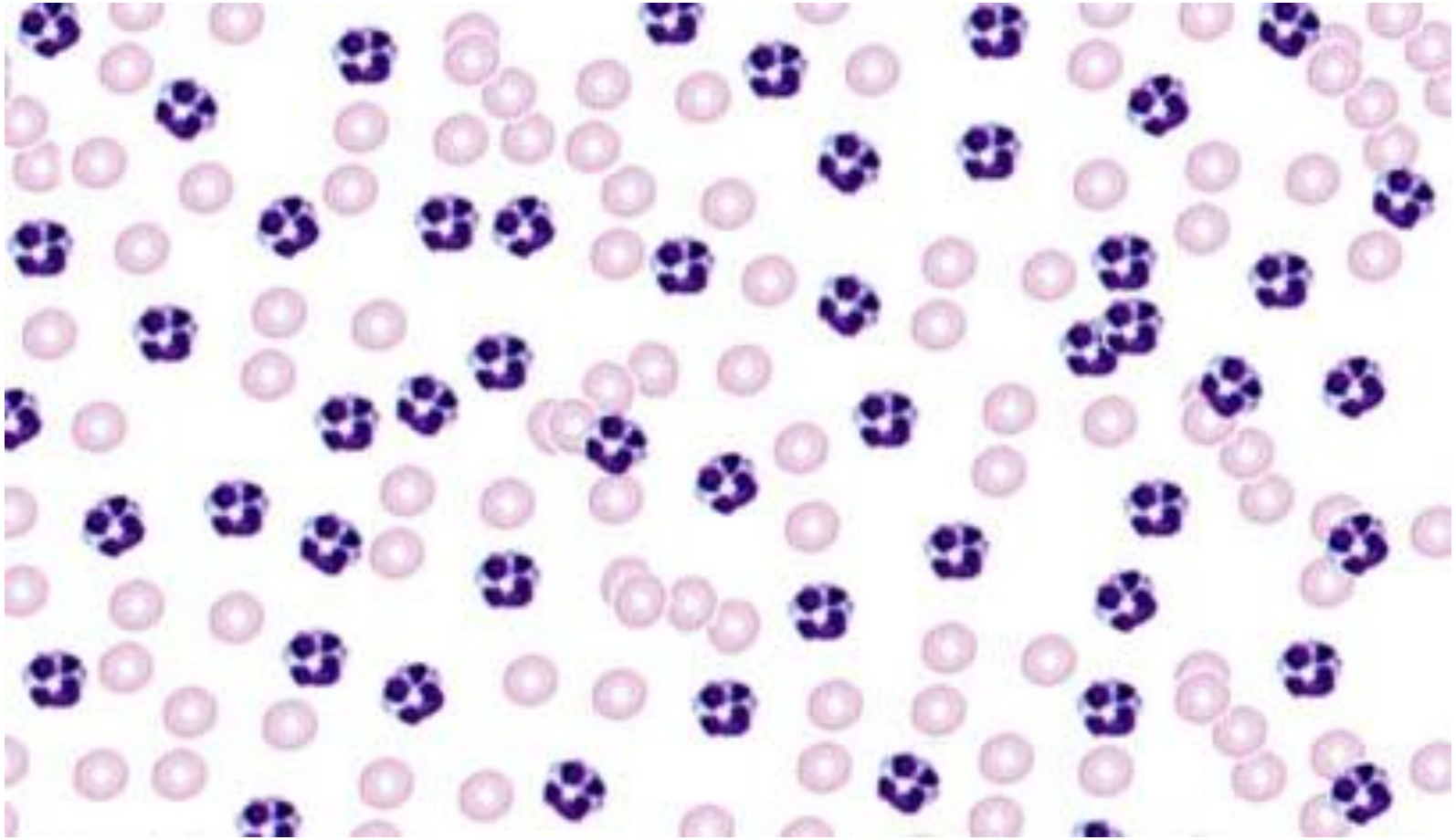
Basophil


Basophil
Neutrophil

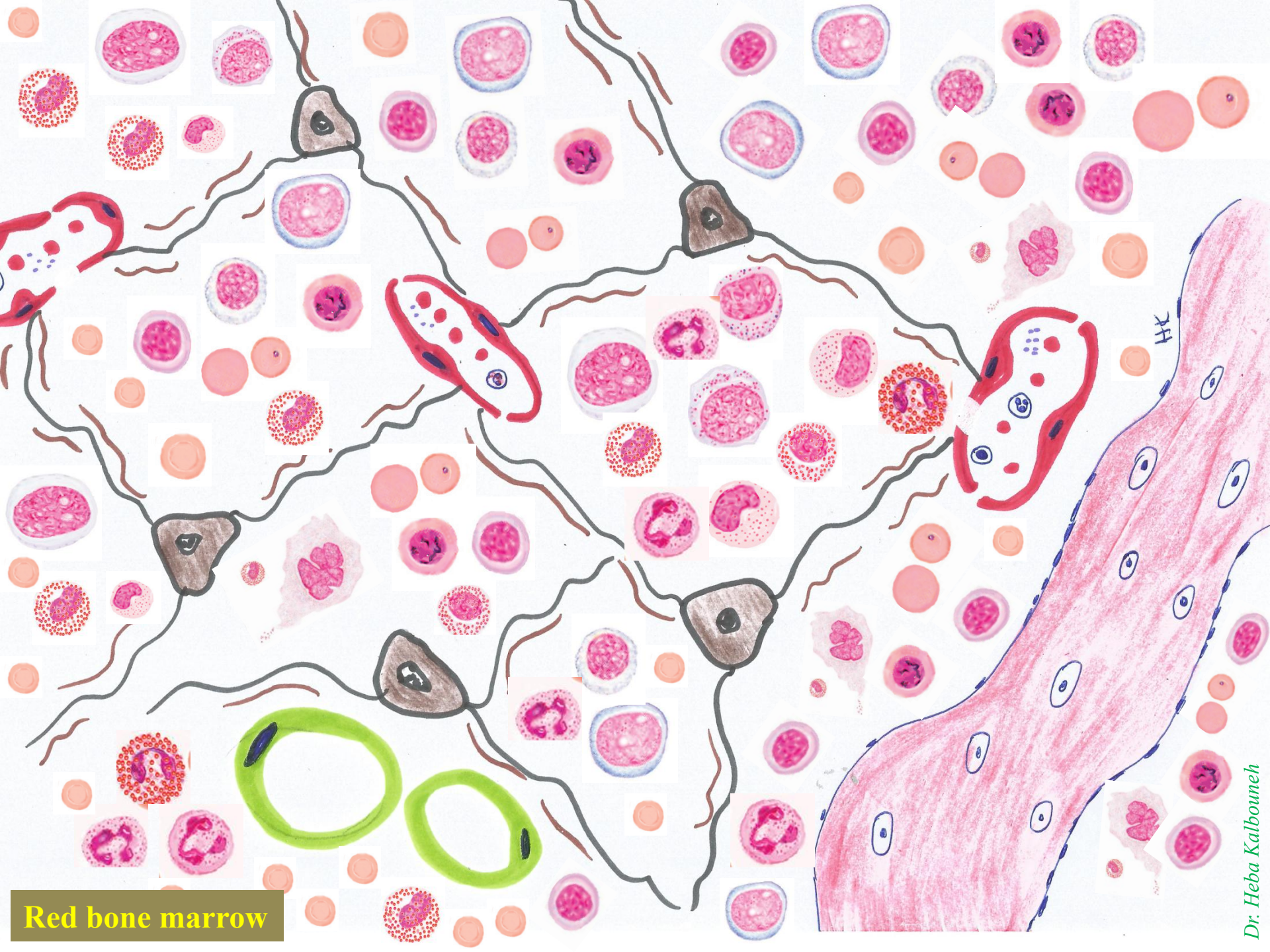

Monocyte
Platelets

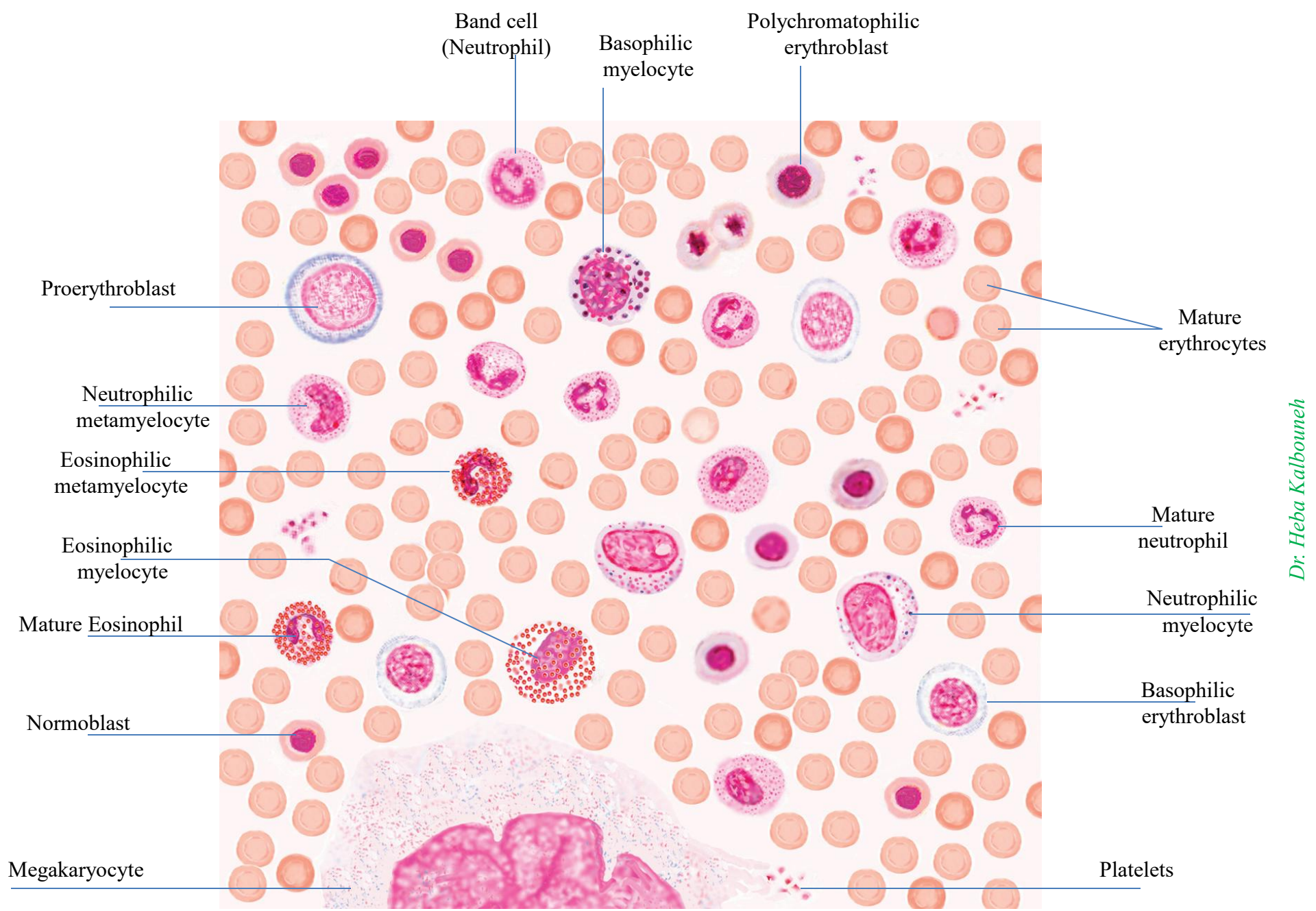


Platelets



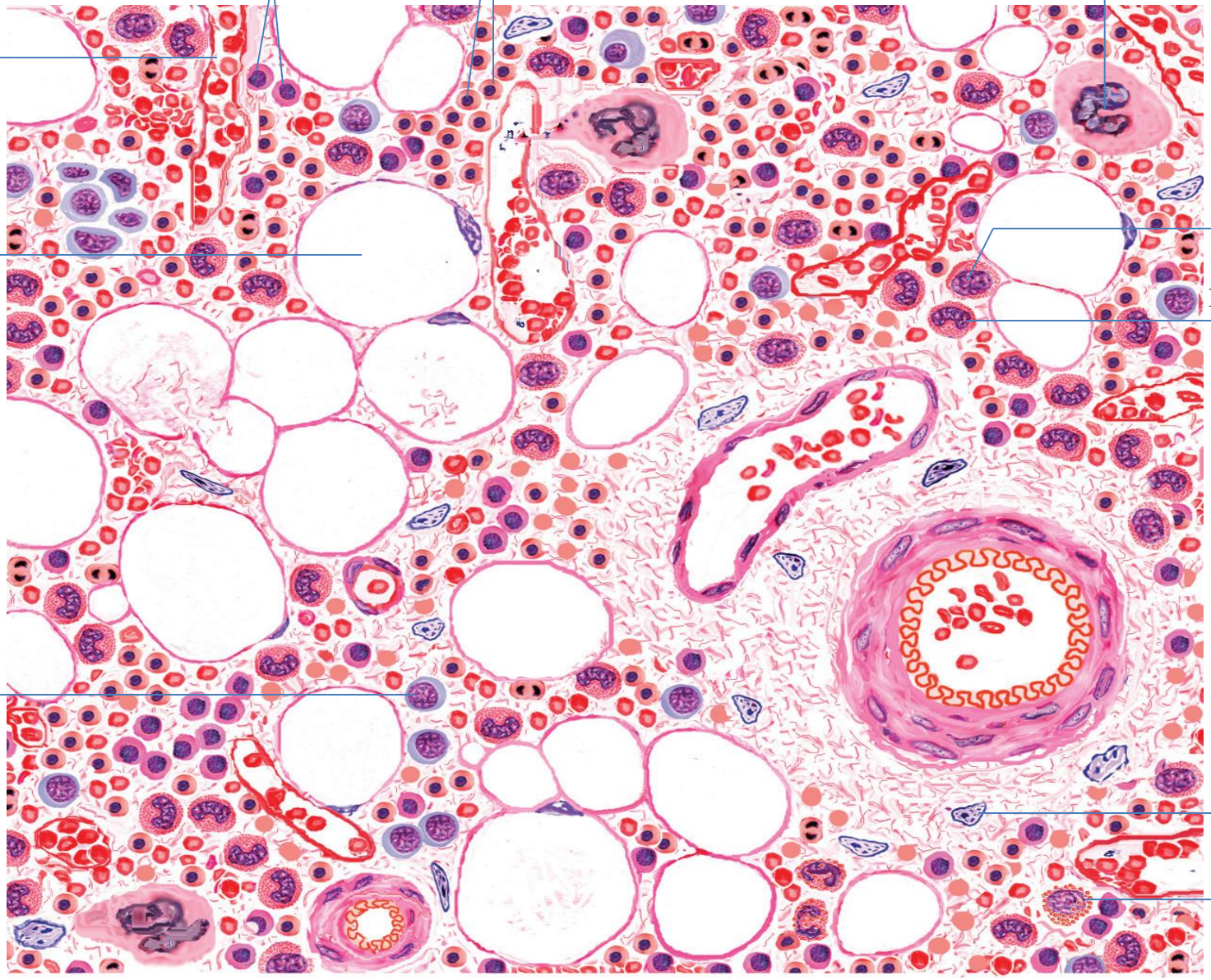
Don’t Worry, Be Happy! ☺


Red bone marrow
Dr. Heba Kalbouneh



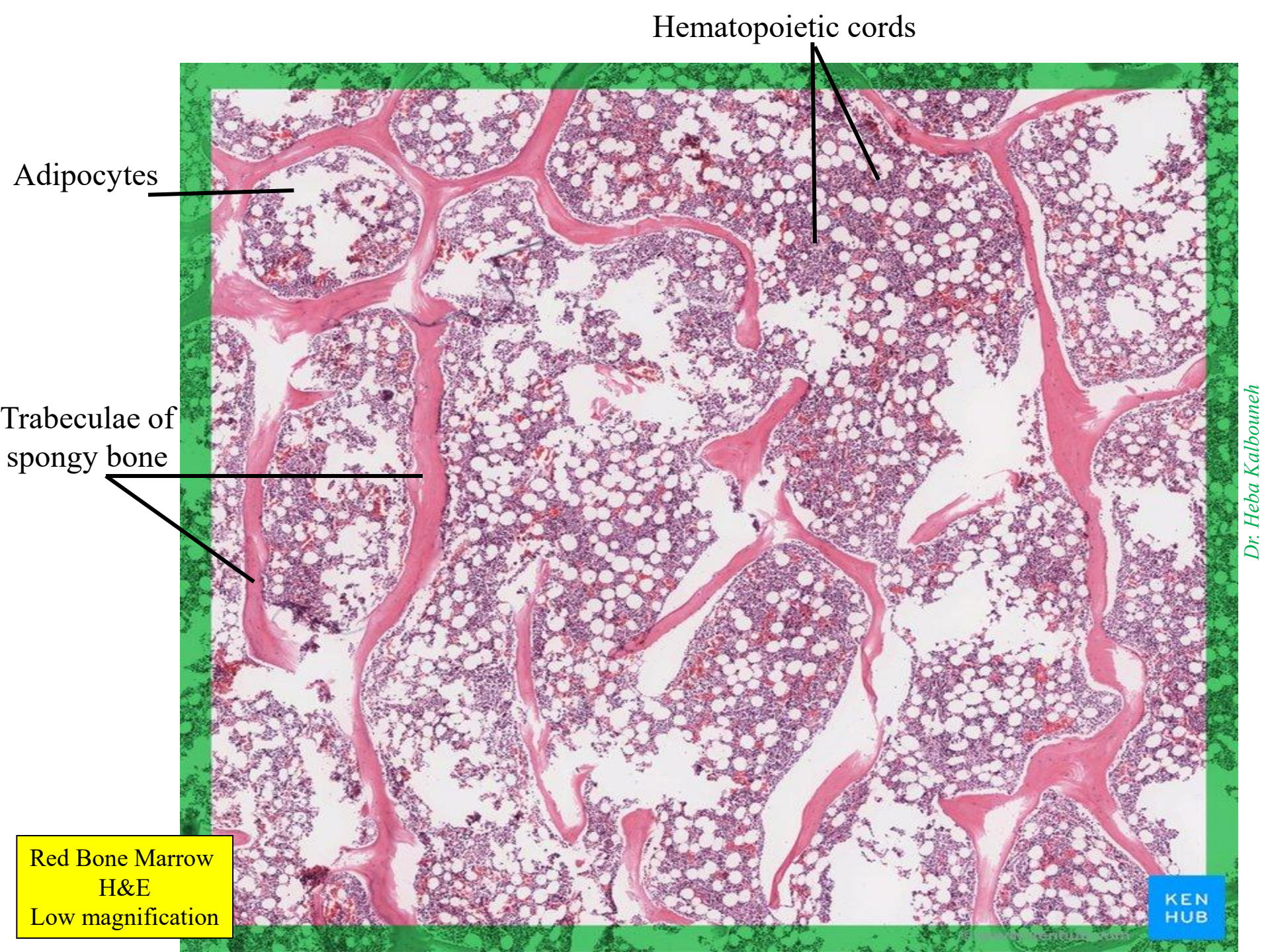
Red Bone Marrow (Giemsa stain)

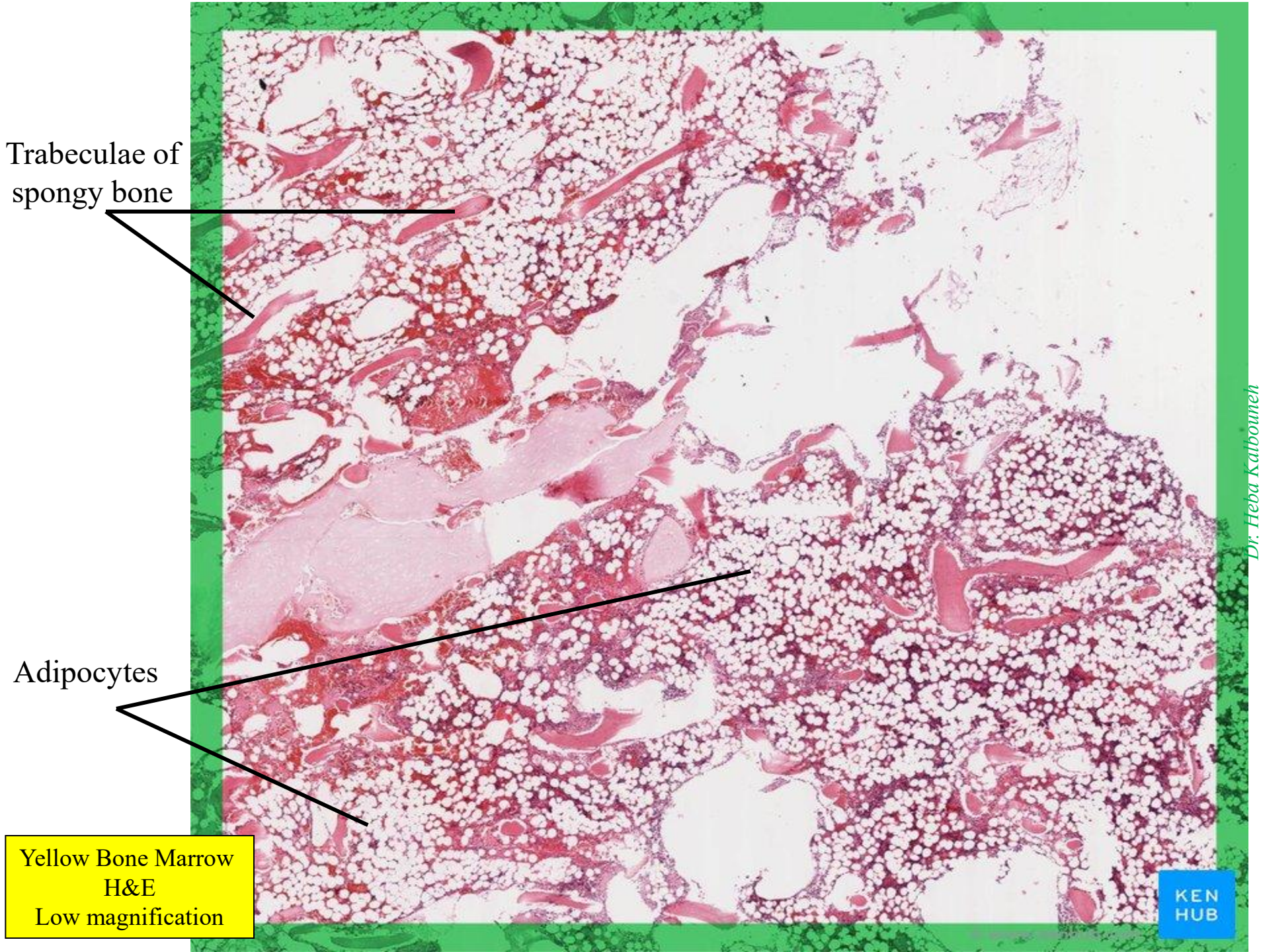
Dr. Heba Kalbouneh

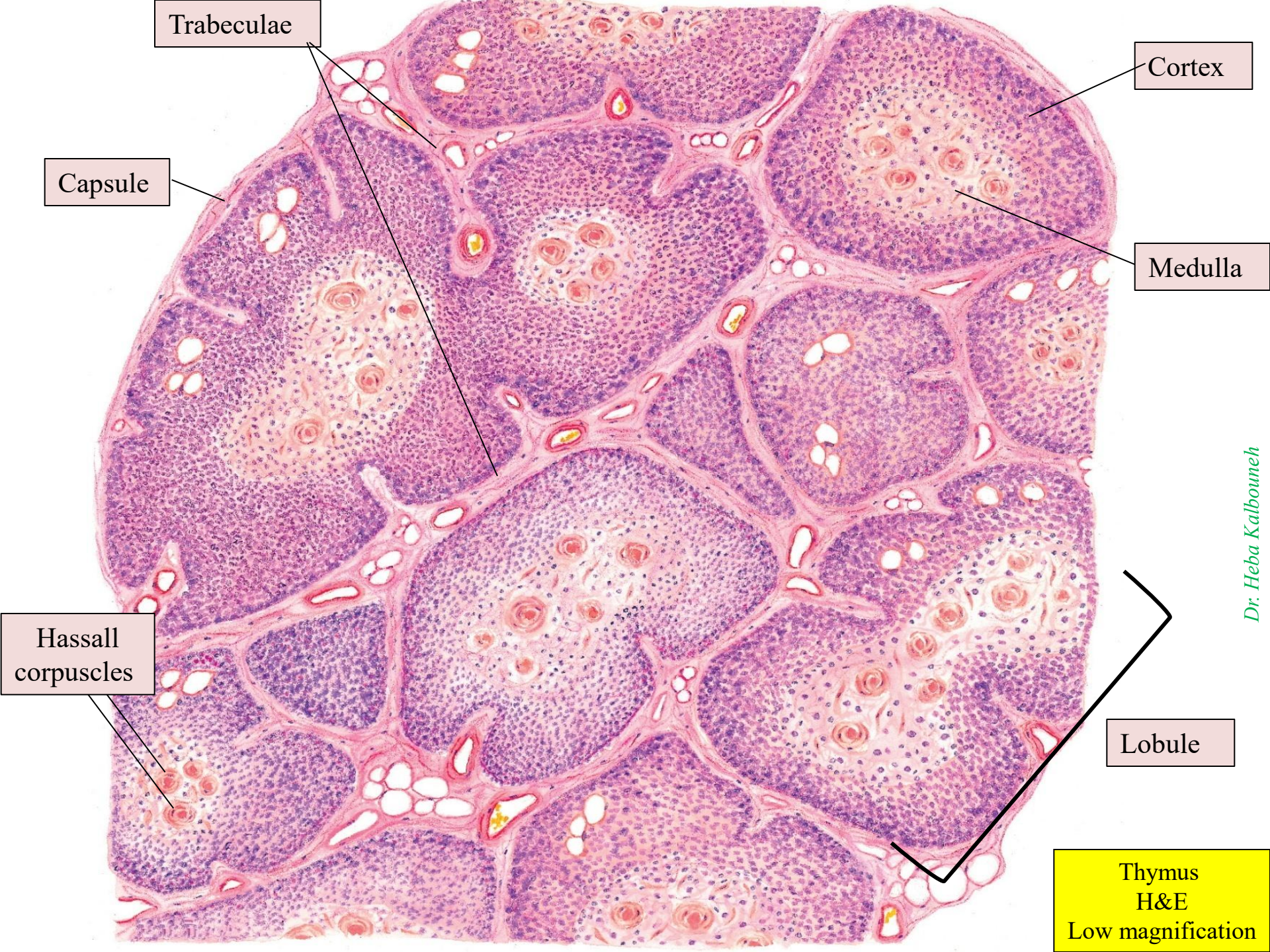


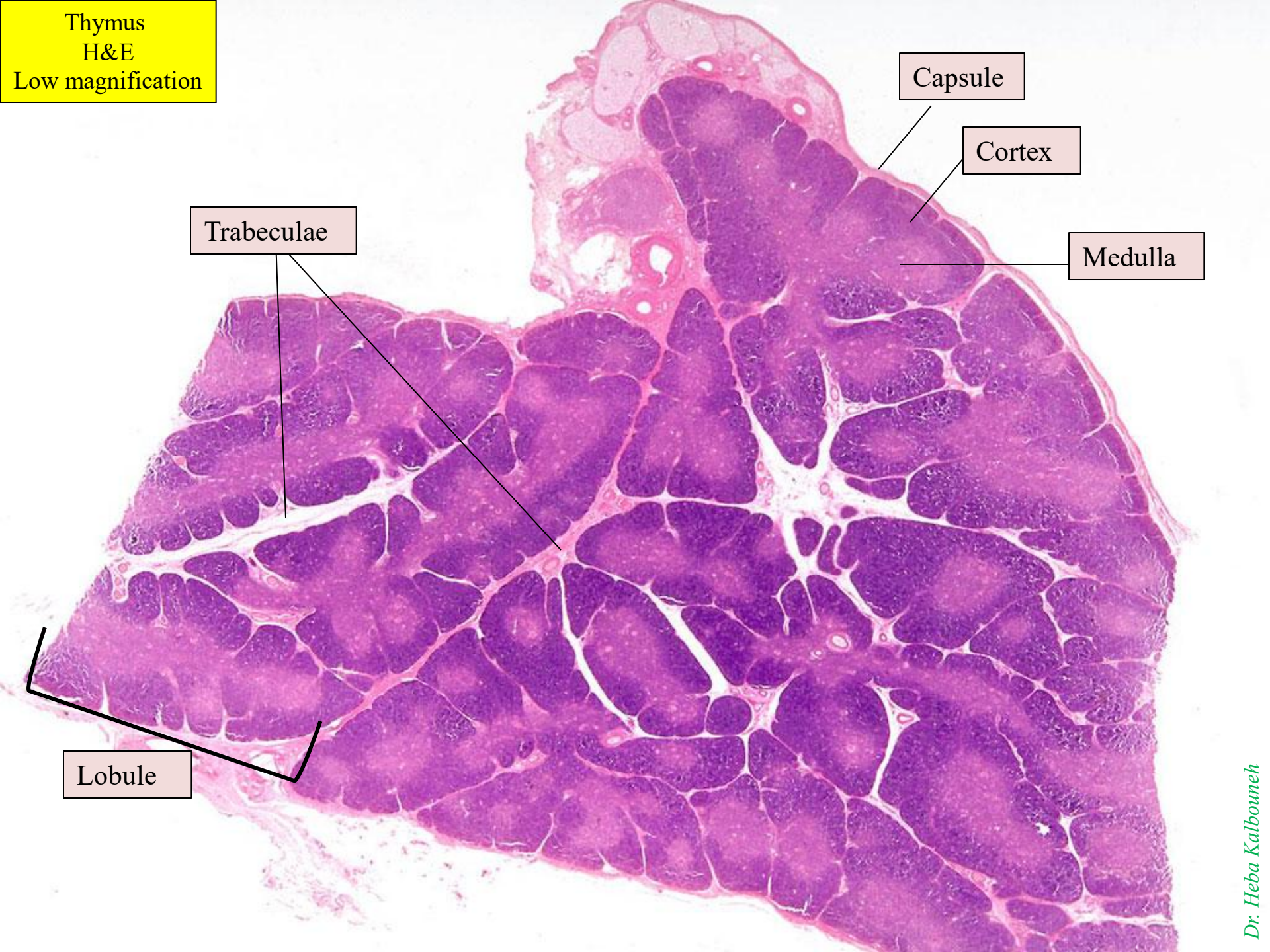
Dr. Heba Kalbouneh

Red Bone Marrow (H&E)


Hematopoietic cords
Adipocytes
Trabeculae of spongy bone
Red Bone Marrow
H&E
Low magnification
KEN HUB
Dr. Heba Kalbouneh

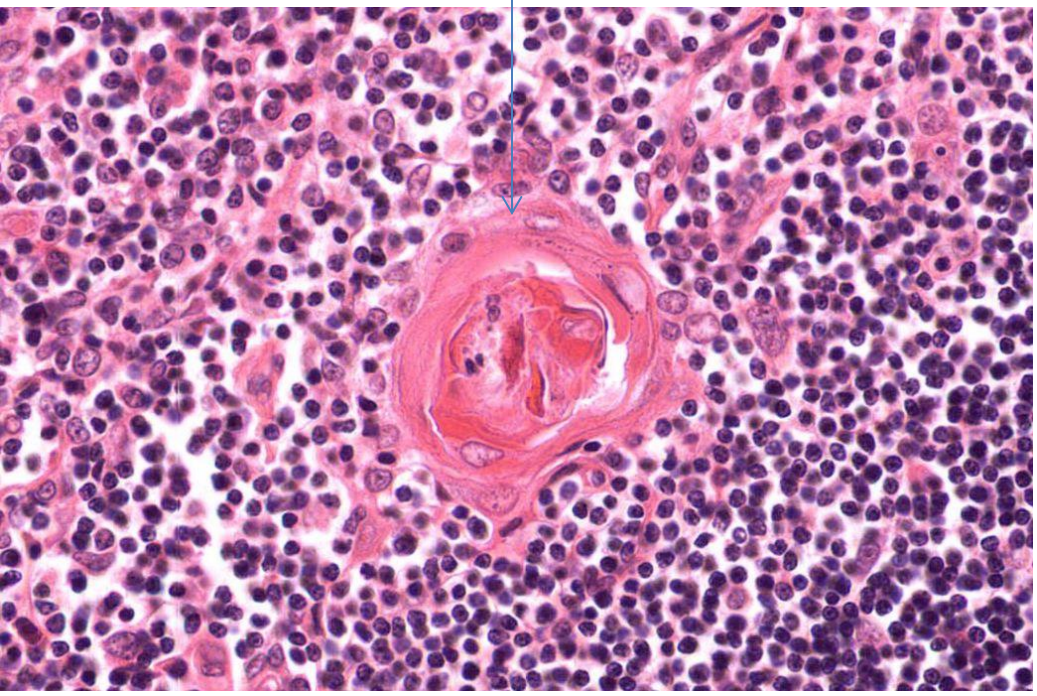

Trabeculae of spongy bone
Adipocytes
Yellow Bone Marrow
H&E
Low magnification
KEN HUB
Dr. Heba Kalbouneh

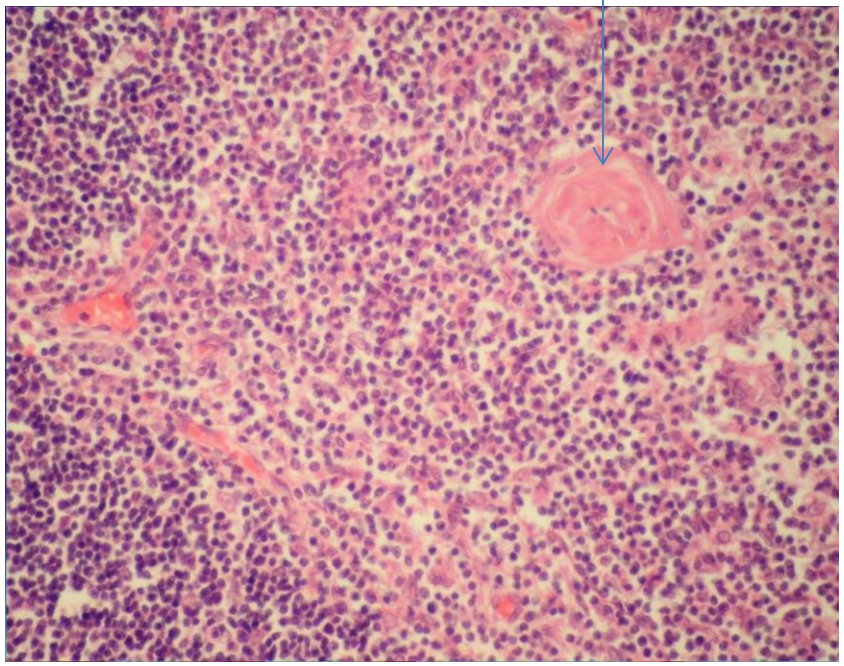

Trabeculae
Cortex
Capsule
Medulla
Hassall corpuscles
Lobule
Dr. Heba Kalbouneh
Thymus
H&E
Low magnification


Thymus
H&E
Low magnification
Capsule
Cortex
Trabeculae
Medulla
Lobule
Dr. Heba Kalbouneh

Thymic medulla
H&E
High magnification

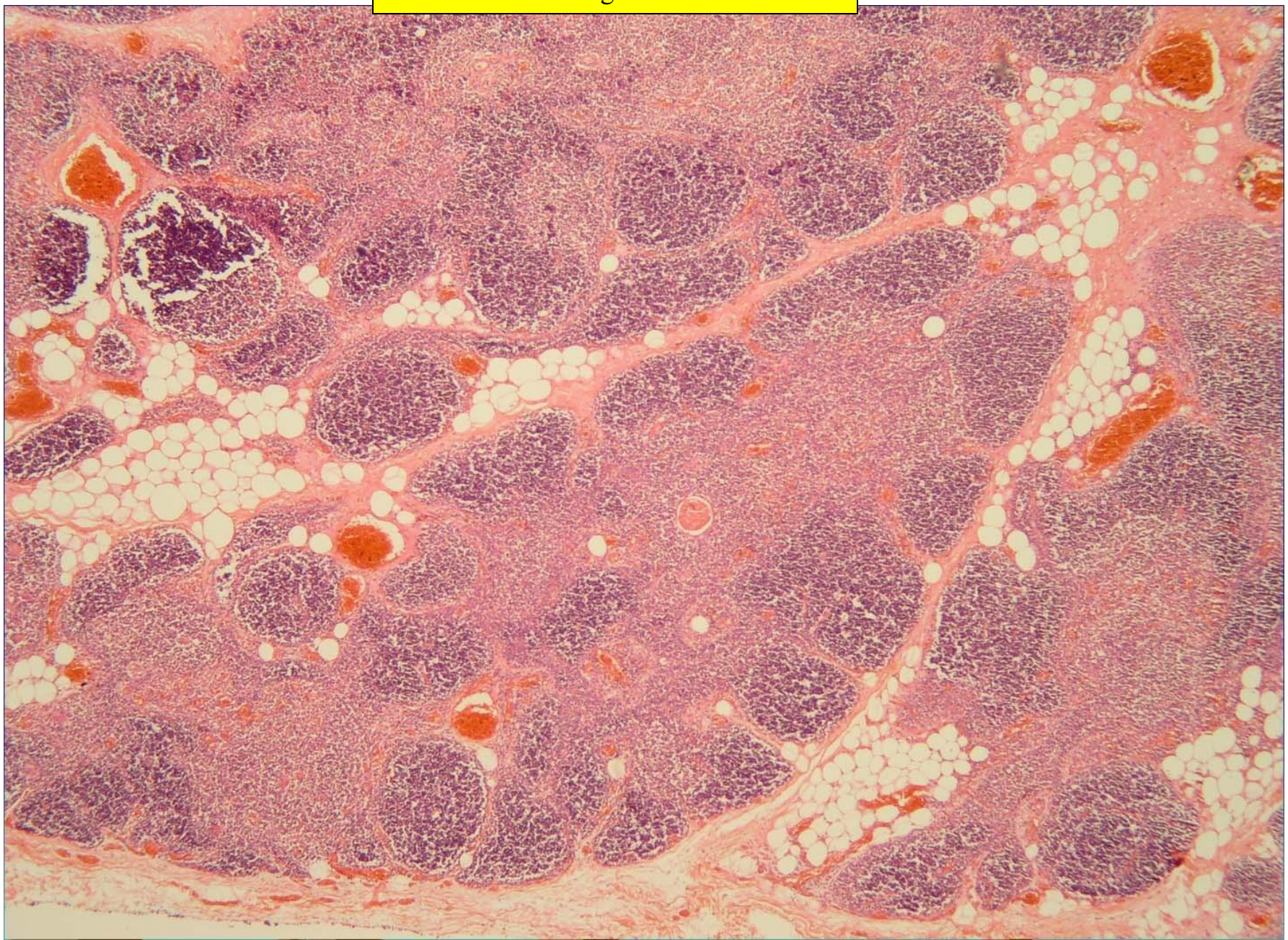
Hassall Corpuscle in medulla





Dr. Heba Kalbouneh

Involuted Thymus
H&E
Low magnification



Dr. Heba Kalbouneh

Epithelial reticular cells (Thymus)

What are the dark blue/purple-stained nuclei?

