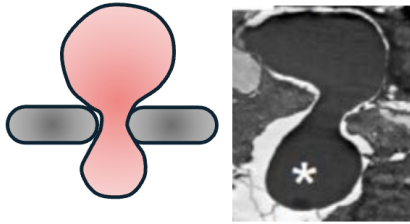


The Spleen

*Quality control of
normal and altered red cells*

Mechanical retention



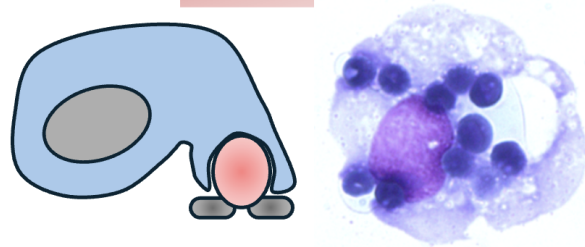
Transfusion

Clearance of
spherocytic red cells
Transfusion recovery
Red cell senescence

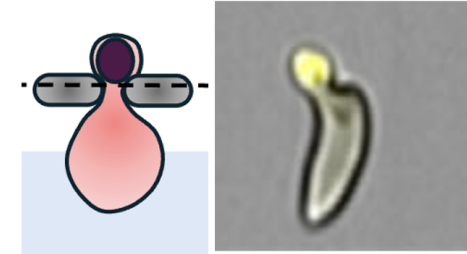
Malaria Inherited red cell diseases

Clearance of red cells
containing live or dead parasites
Clearance of pathogenic red cells
Spleen congestion and anemia

Phagocytosis



Pitting



Hyposplenism

Genesis and clearance
of vacuoles
Spleen function
in red cell diseases

**Team-defining
tools**

**Ex-vivo spleen perfusion, Sliced blood, Microsphiltration
Imaging Flow Cytometry, Phagocytosis, Proteomics, Screening**