

LYMPHATIC SYSTEM

(Lab)

Lymphatic system

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graph TD; A[Lymphatic system] --> B[A-Lymphatic vessels]; A --> C[B-Lymphatic tissue]
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A-Lymphatic vessels

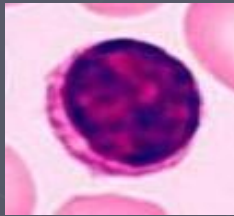
B-Lymphatic tissue

The lymphatic vessels

- Carry lymph
- Structure= blood Vessels

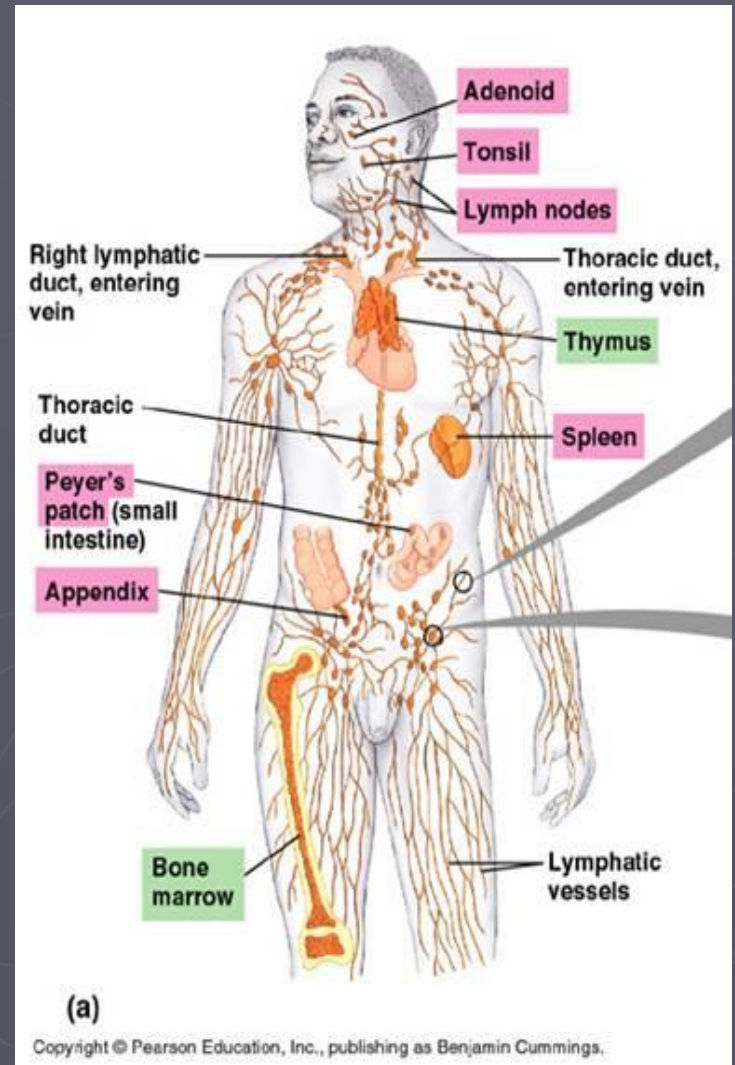
Lymphatic tissue

-Aggregates of *lymphocytes* embedded in meshwork of *reticular fibers*.



-Organized into **organs**:

- 1-Thymus
- 2-Lymph node
- 3-Spleen
- 4-Tonsil



THYMUS

-Site?

-Structure?

Stroma :

a) Capsule.

b) Incomplete septa

c) Reticular network

Parenchyma

Each lobule has a

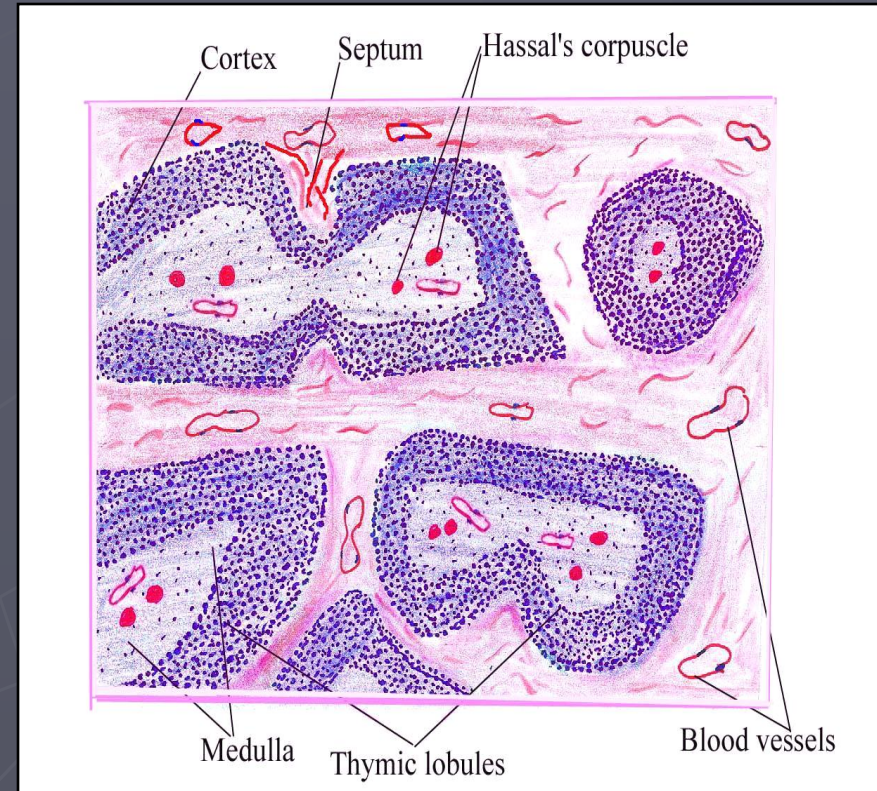
-*peripheral cortex....* dark zone

-*central medulla*

lightly stained ?

It contains Hassle's corpuscles?

-Function?



THYMUS



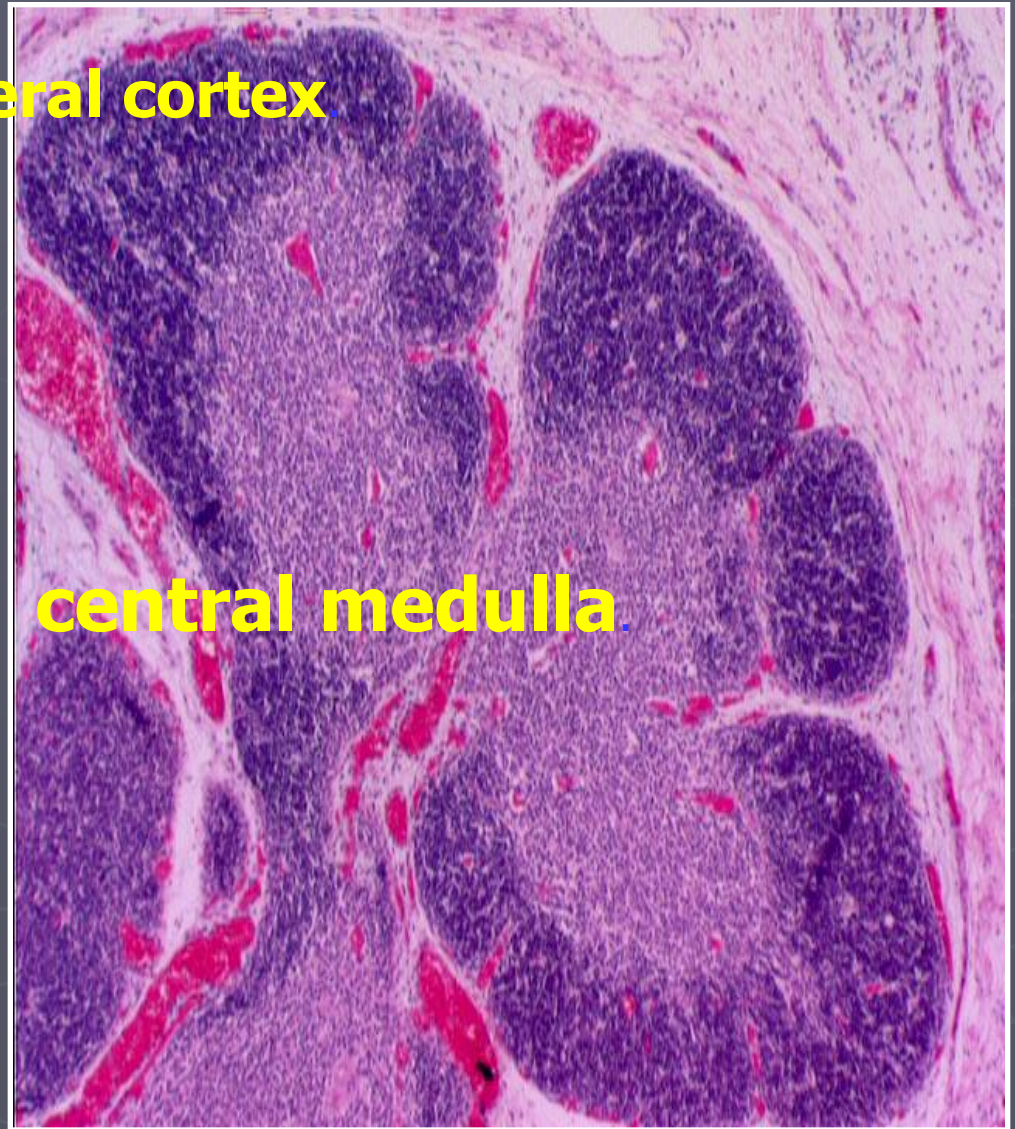
Thymus and central medulla.

S

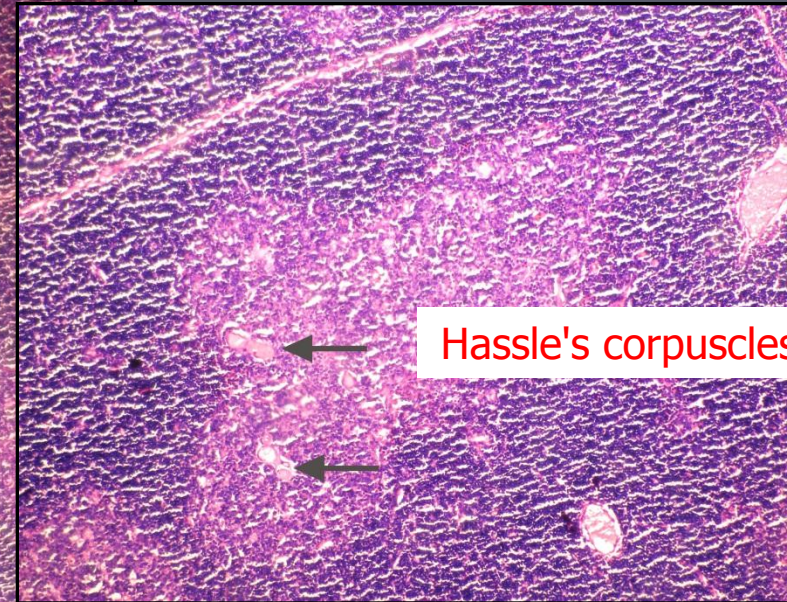
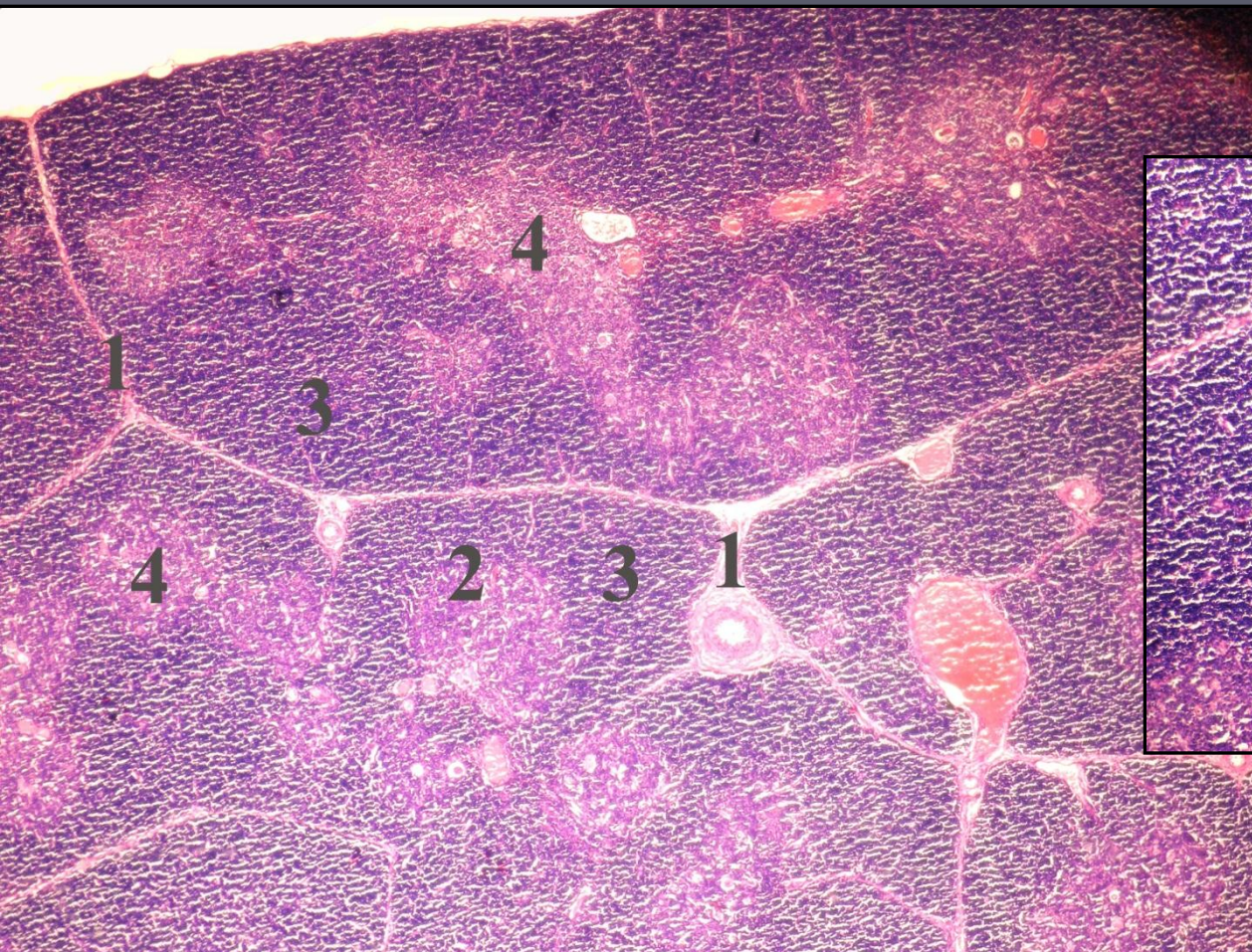
peripheral cortex.



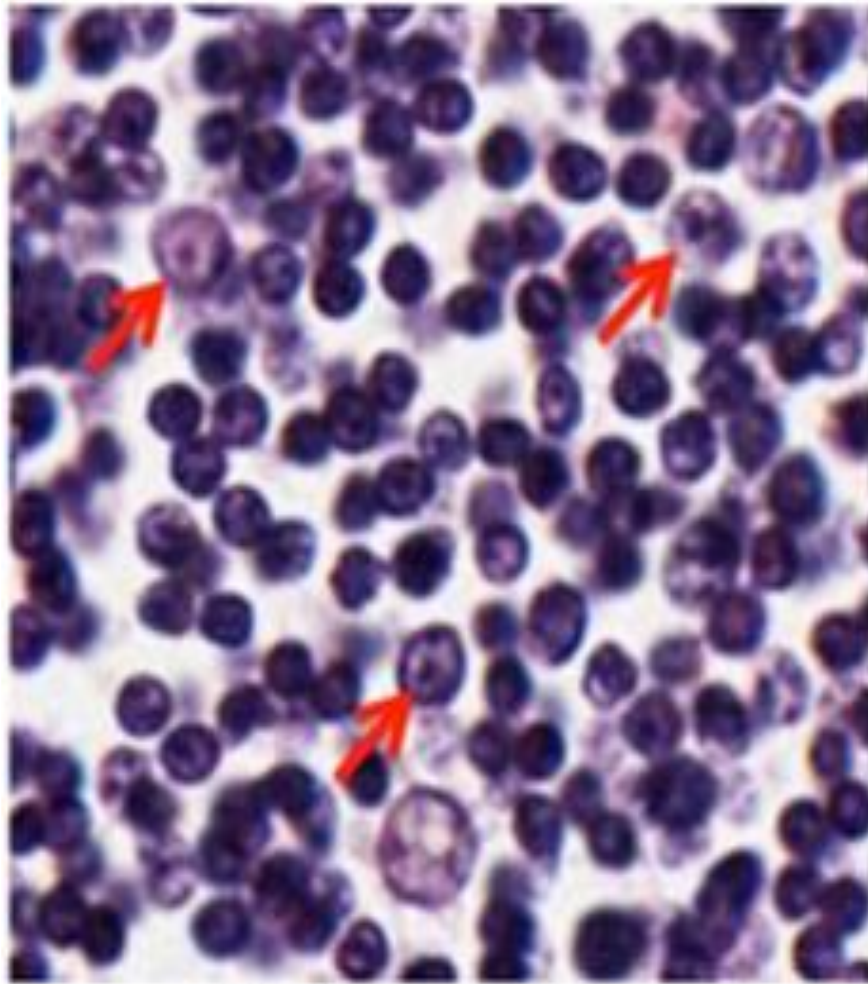
central medulla.



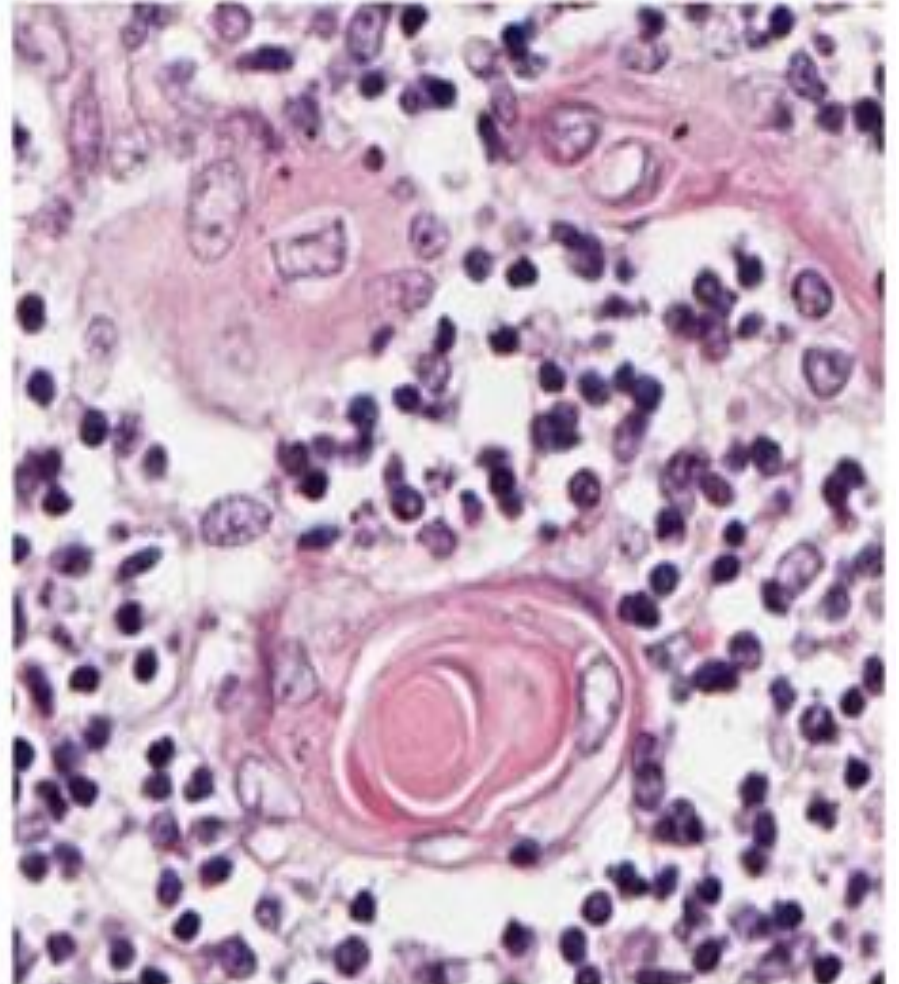
THYMUS



Thymus



Thymic cortex



Thymic medulla

LYMPH NODE

-Site?

-Shape?

-Structure?

Stroma :

a) Capsule.

b) Incomplete septa
(trabeculae)

c) Reticular network

Parenchyma

- **Cortex**

Lymphatic follicles?

Cortical sinuses

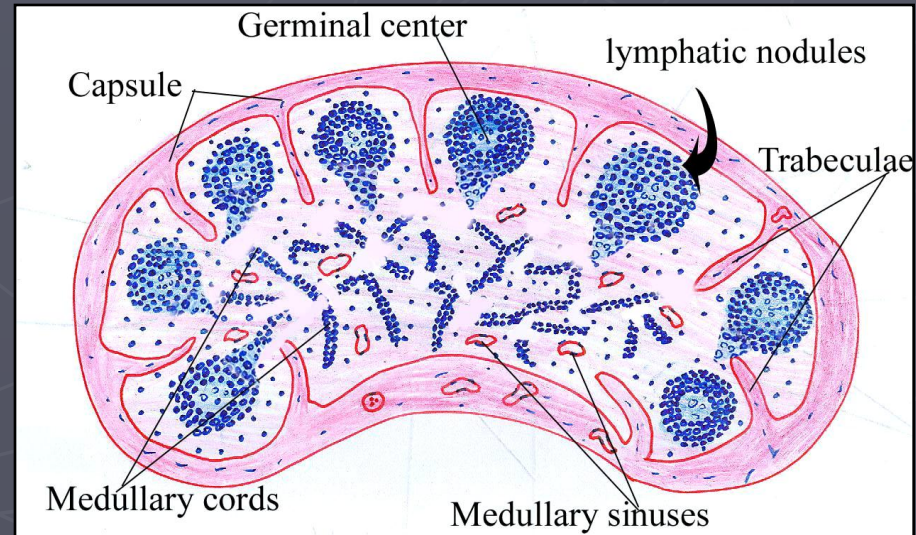
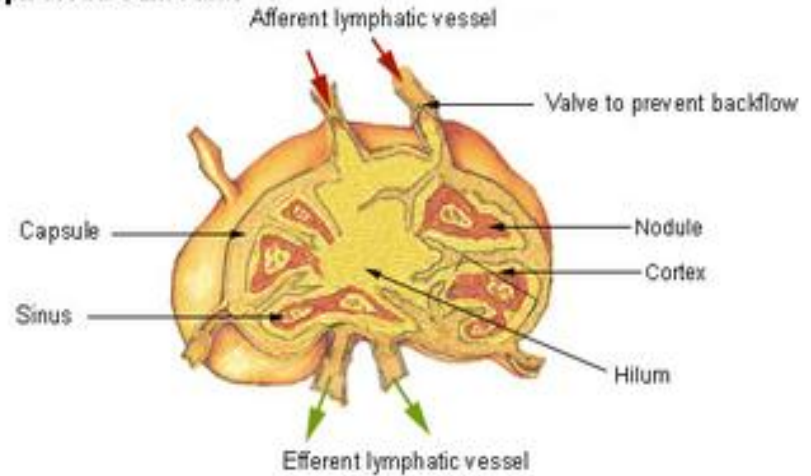
Medulla

Medullary cords

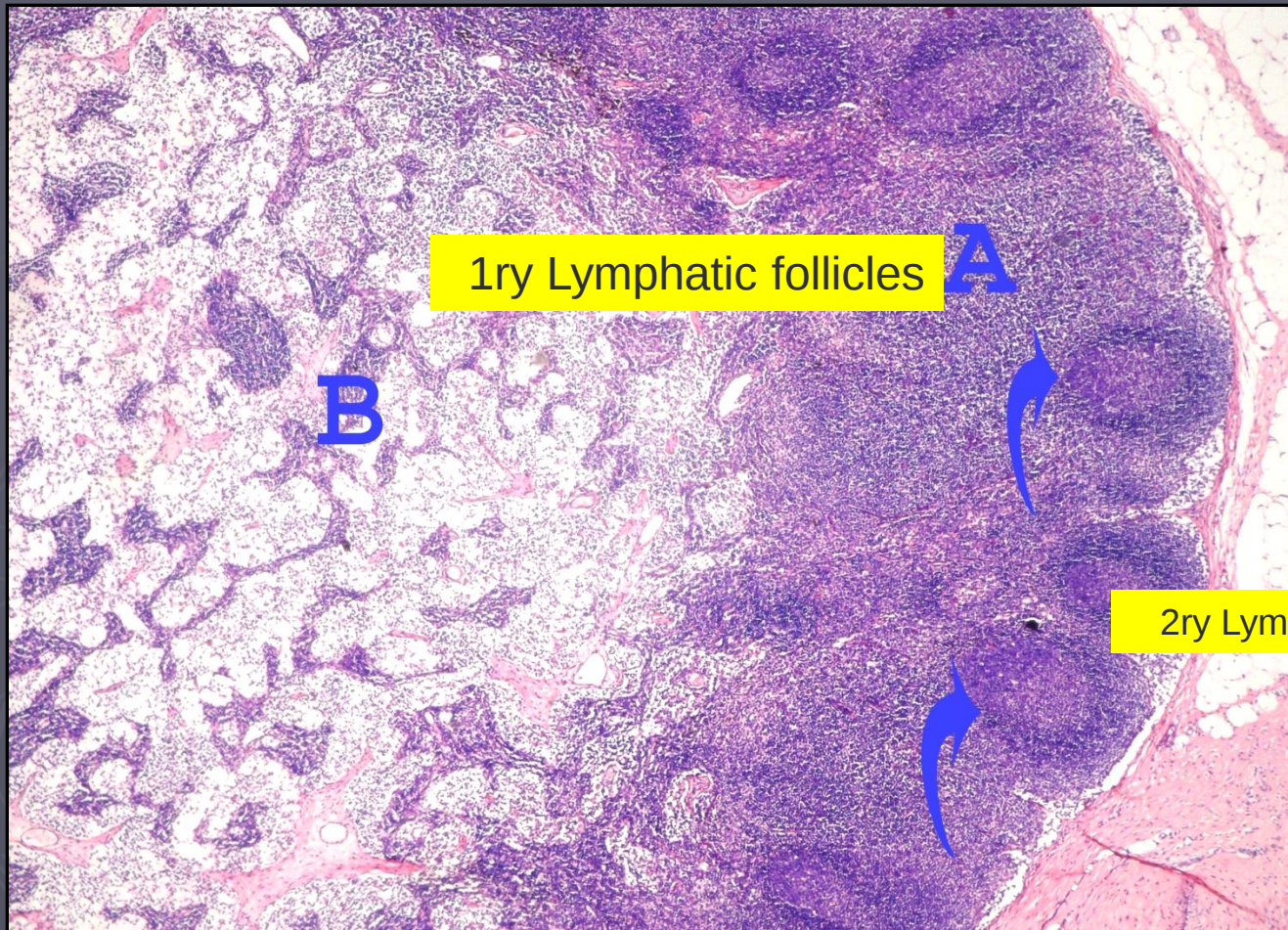
Medallary sinuses

-Function?

Lymph Node Structure

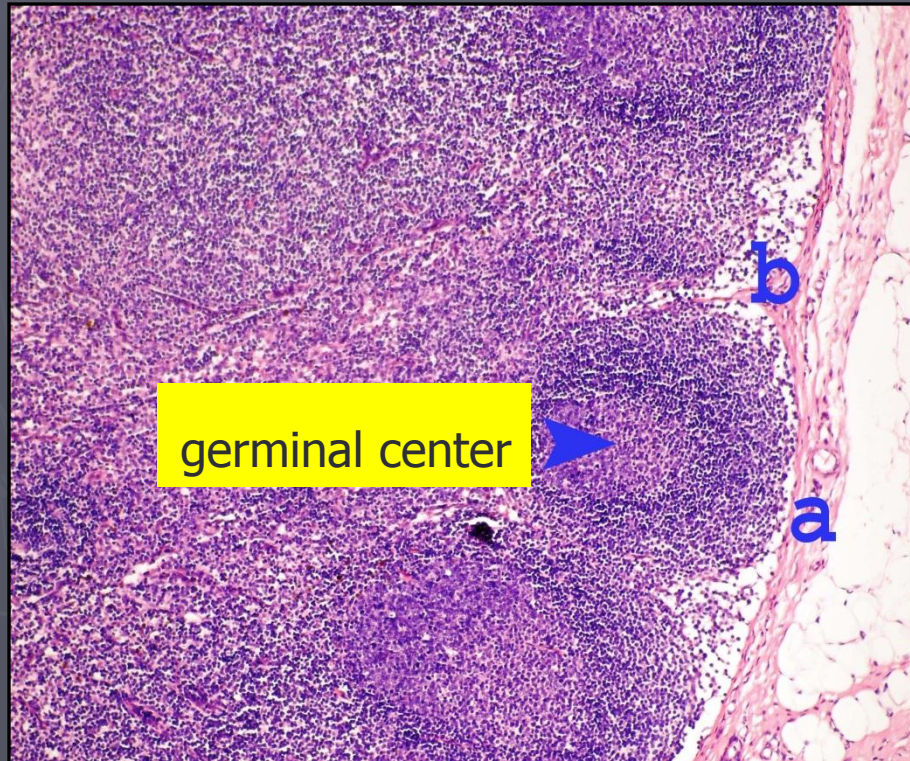


LYMPH NODE

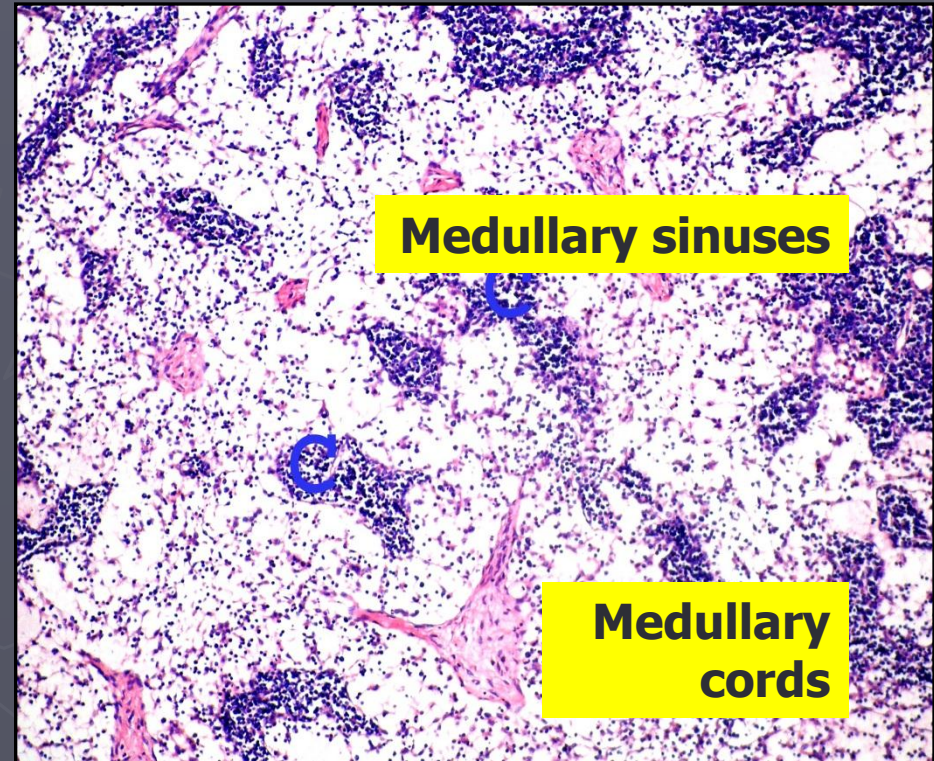


LYMPH NODE

Cortex



Medulla



THE SPLEEN

-Site?

-Structure?

Stroma :

a) Capsule.

b) Incomplete septa
(trabeculae)

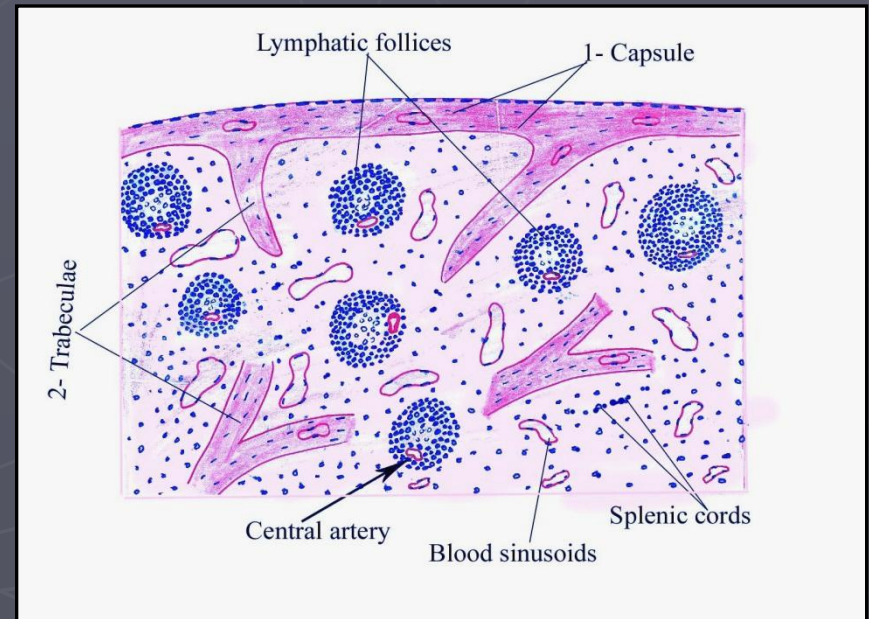
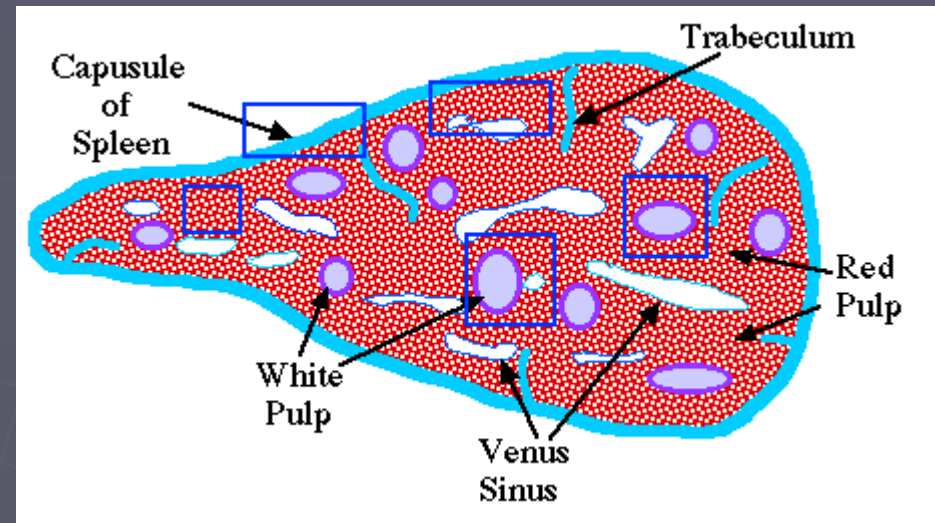
c) Reticular network

Parenchyma

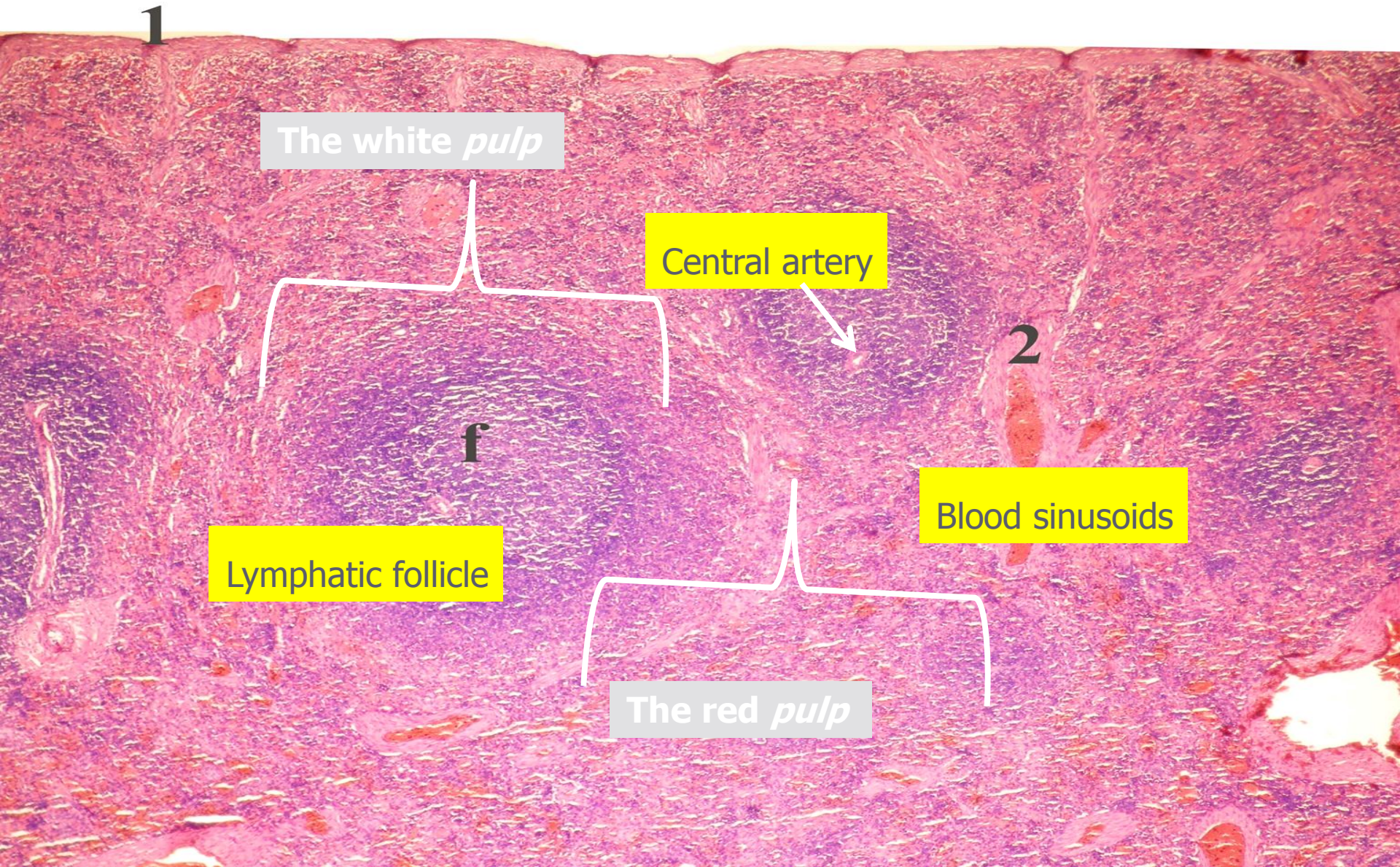
White pulp

Red pulp

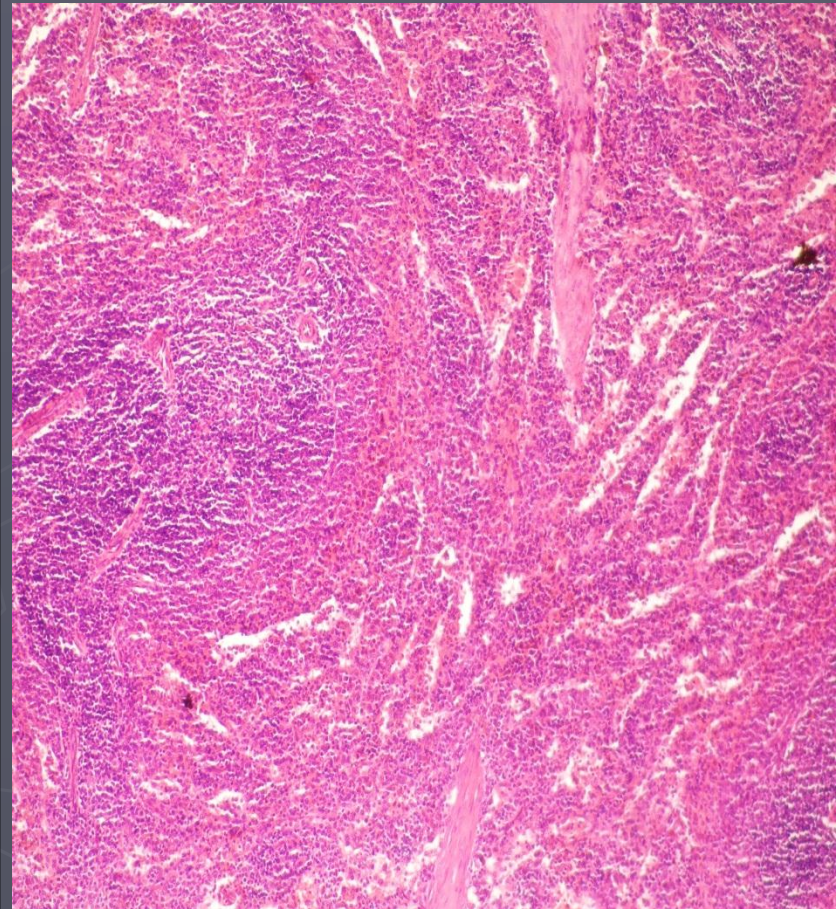
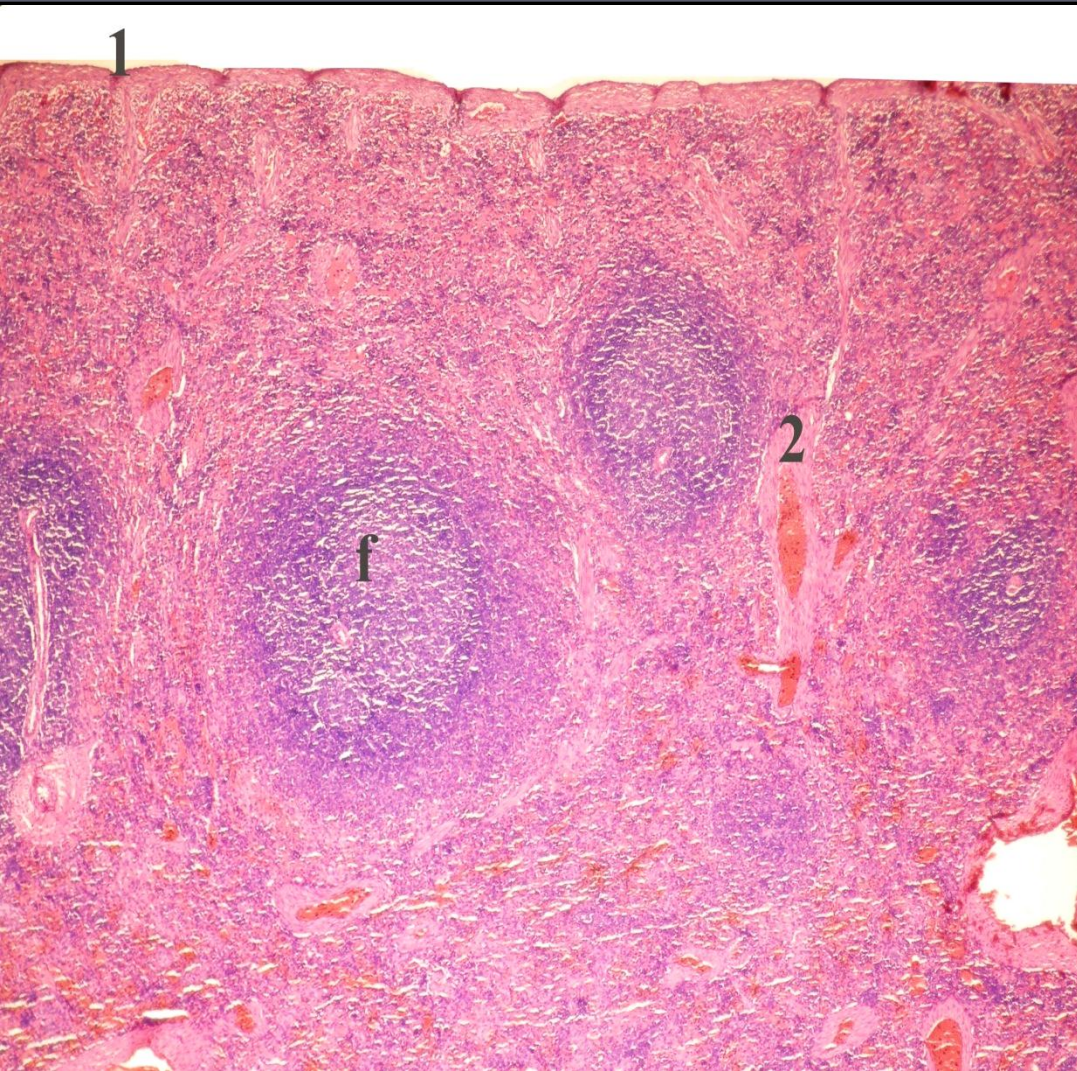
-Function?



THE SPLEEN

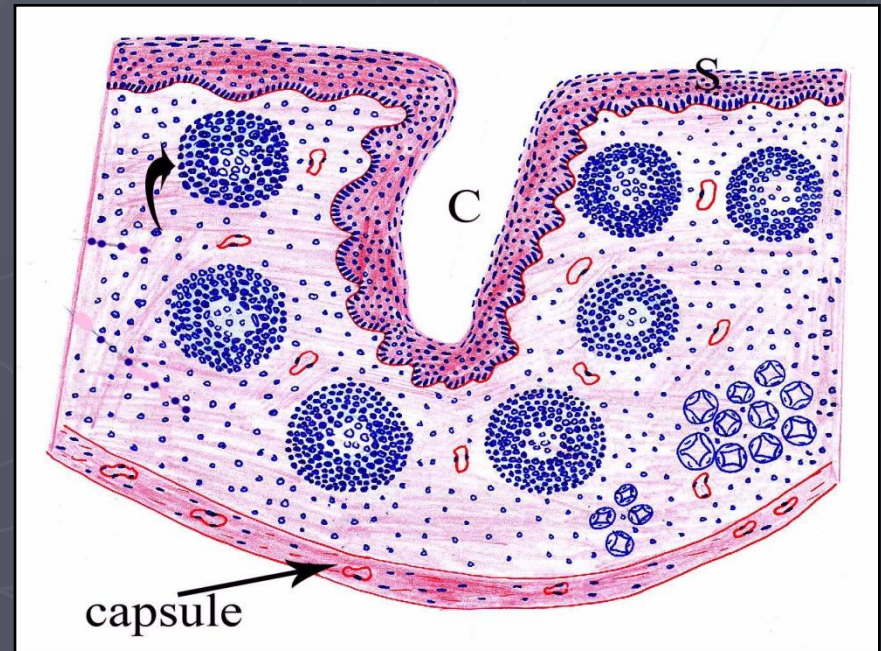
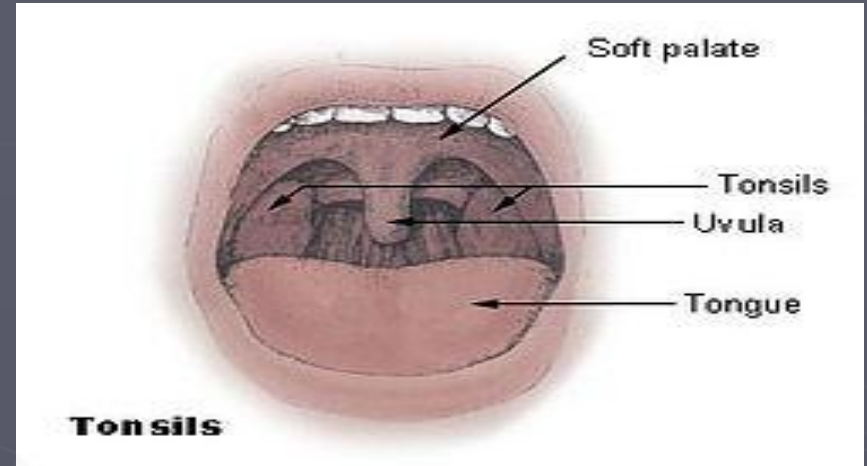


THE SPLEEN

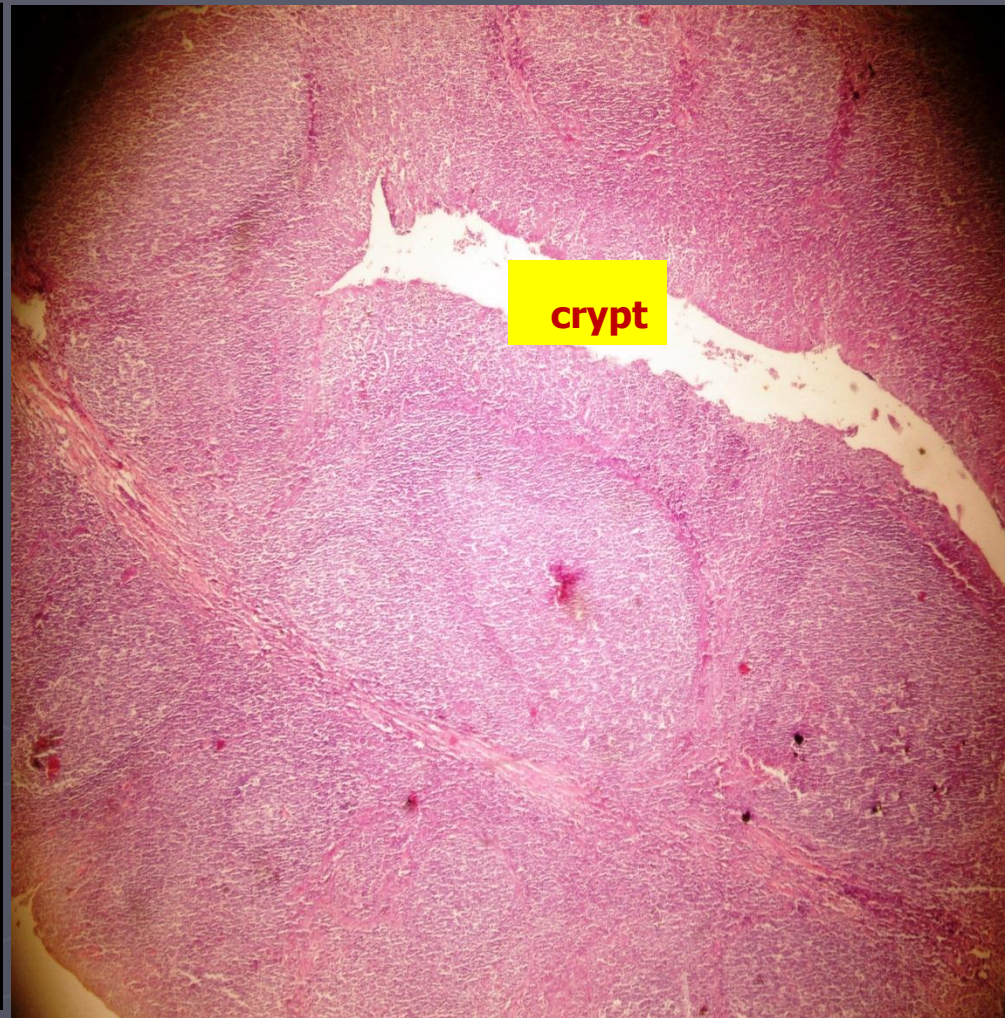
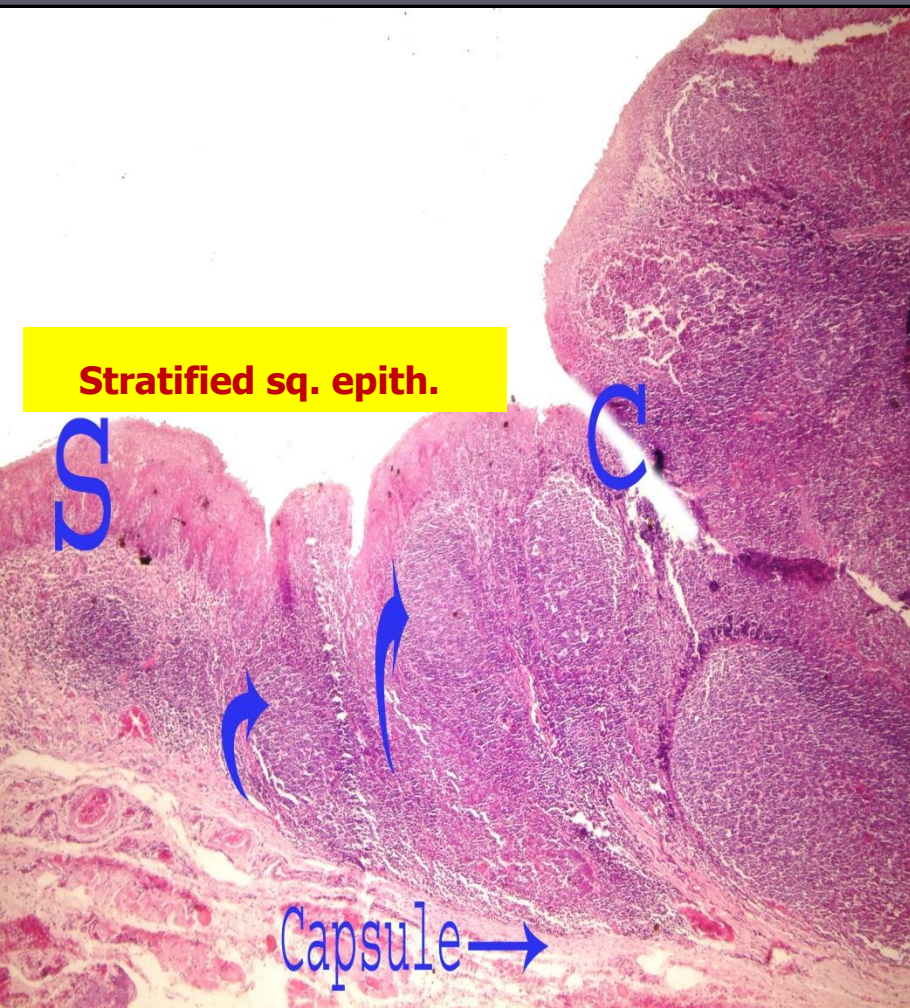


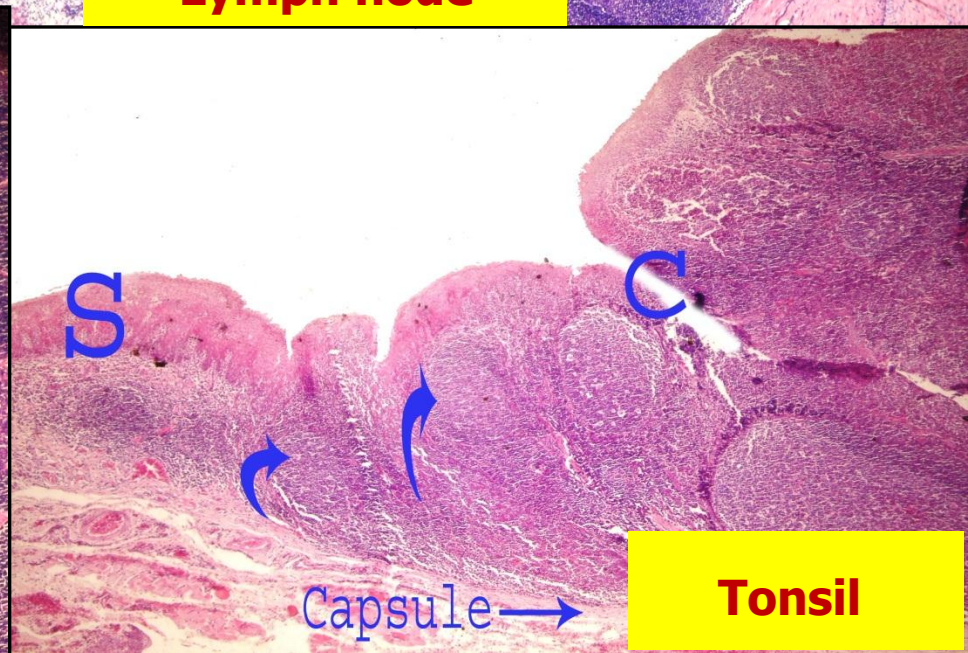
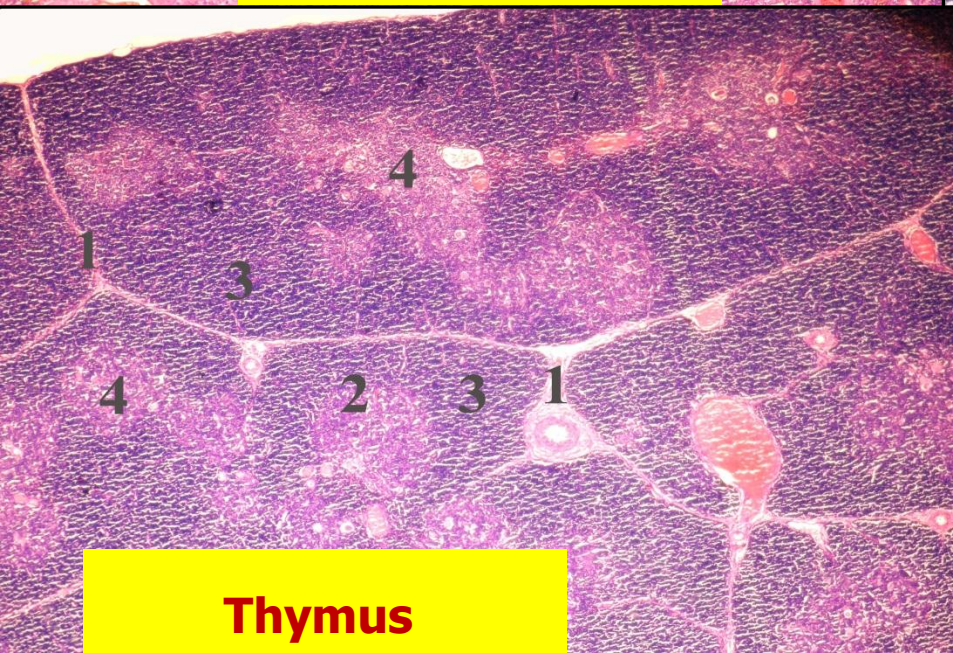
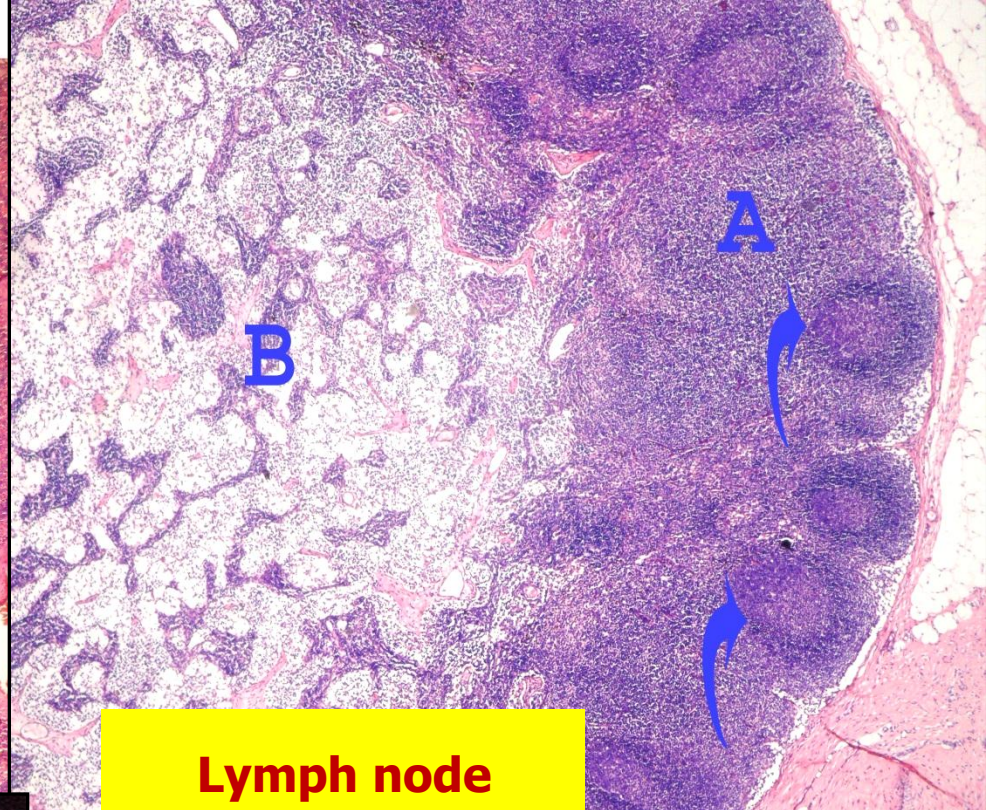
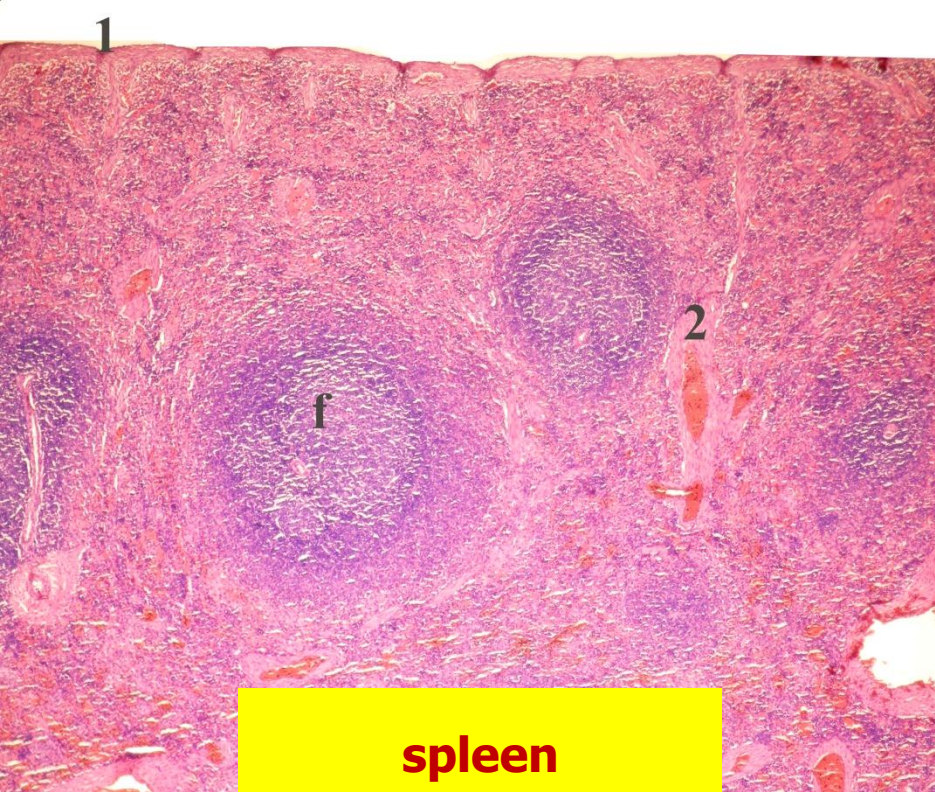
PALATINE TONSILS

- Site?
- Structure?
- Function?



PALATINE TONSILS





Thank
You



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