

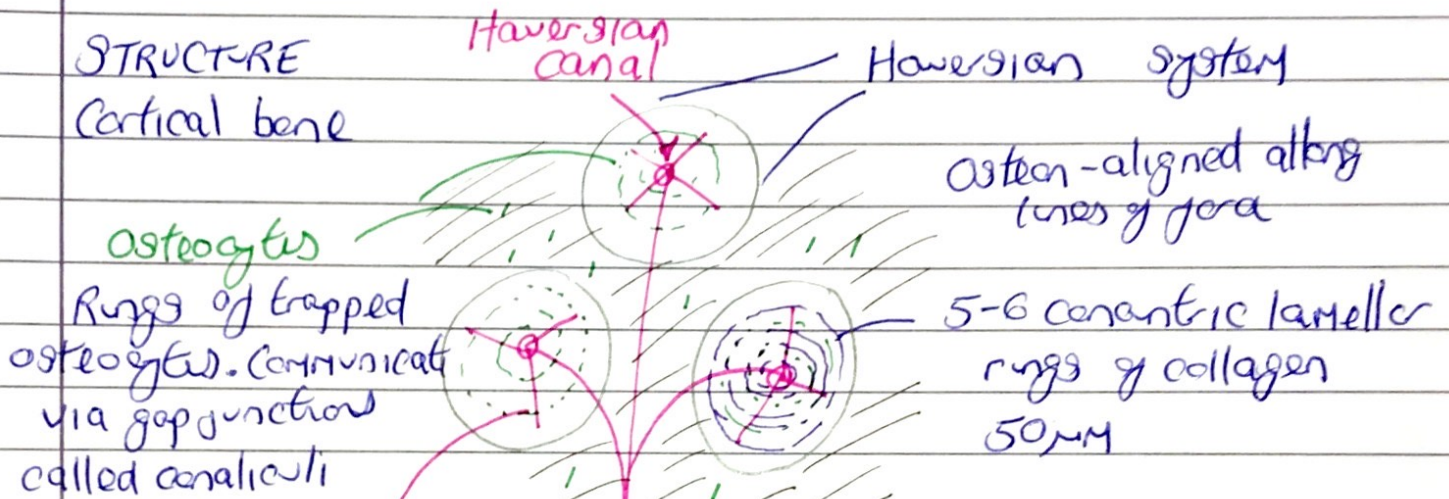
BONE BIOLOGY

FUNCTION

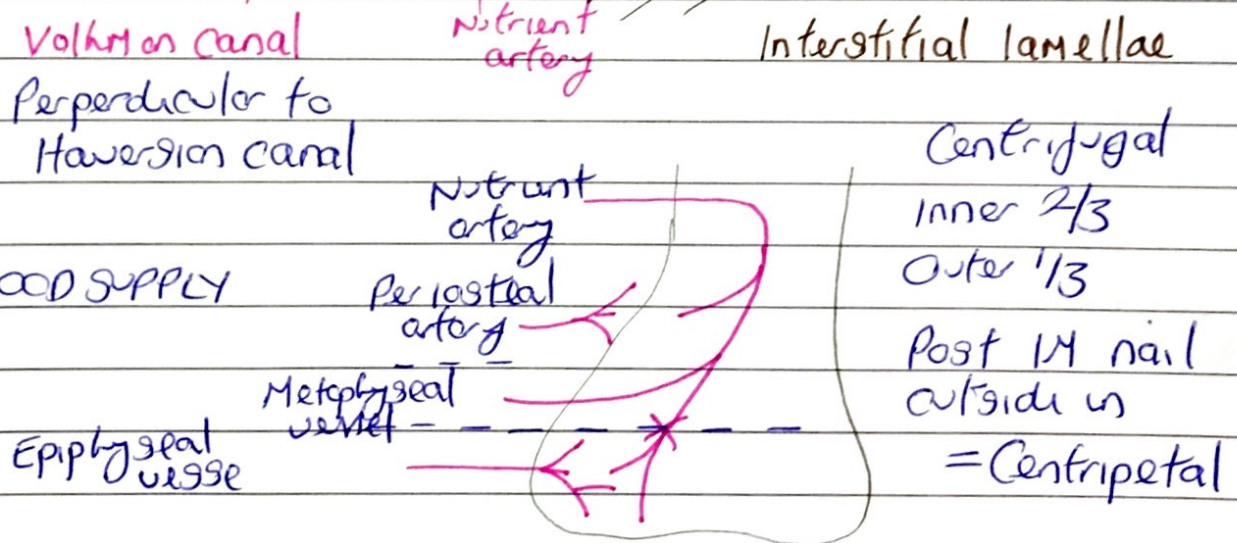
- ① Reservoir for Calcium & phosphate
- ② Haemopoiesis
- ③ Protective & mechanical

STRUCTURE

Cortical bone



BLOOD SUPPLY



PERREN'S STRAIN THEORY

Degree of interfragmentary strain governs all other response

Granulation tissue up to 100%

Fibrous connective tissue up to 17%

Fibrocartilage 2-10%

Lamellar bone 2%

strain ↓ in multyfragmentary #