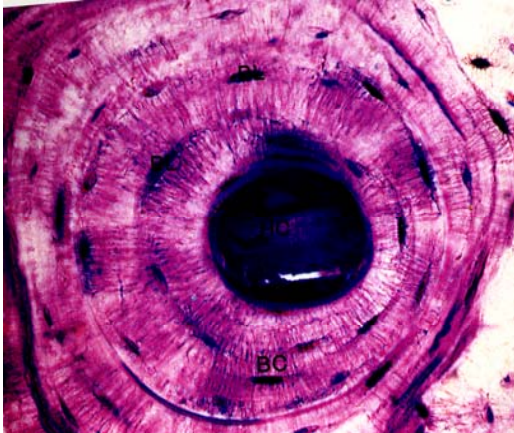
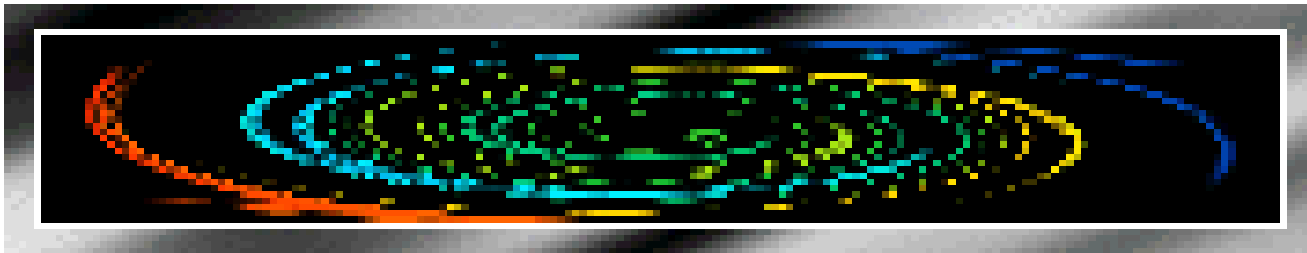


# Histology and Embryology



- Chapter 1 Introduction and Cell**
- Chapter 2 Epithelial tissue**
- Chapter 3 Connective Tissue**
- Chapter 4 Blood**
- Chapter 5 Cartilage and Bone**
- Chapter 6 Muscle Tissue**
- Chapter 7 Nerve Tissue**
- Chapter 8 Circulatory System**
- Chapter 9 Immune System**
- Chapter 10 Skin**
- Chapter 11 Digestive Tract**
- Chapter 12 Digestive Gland**
- Chapter 13 Respiratory System**
- Chapter 14 Urinary System**
- Chapter 15 Endocrine System**
- Chapter 16 Sense Organ**
- Chapter 17 Male Reproduction**
- Chapter 18 Female Reproduction**
- Chapter 19 Embryology 1**
- Chapter 20 Embryology 2**

# Chapter 5 Cartilage and Bone

## I Slides

### II Sections

NO.79 hyaline cartilage

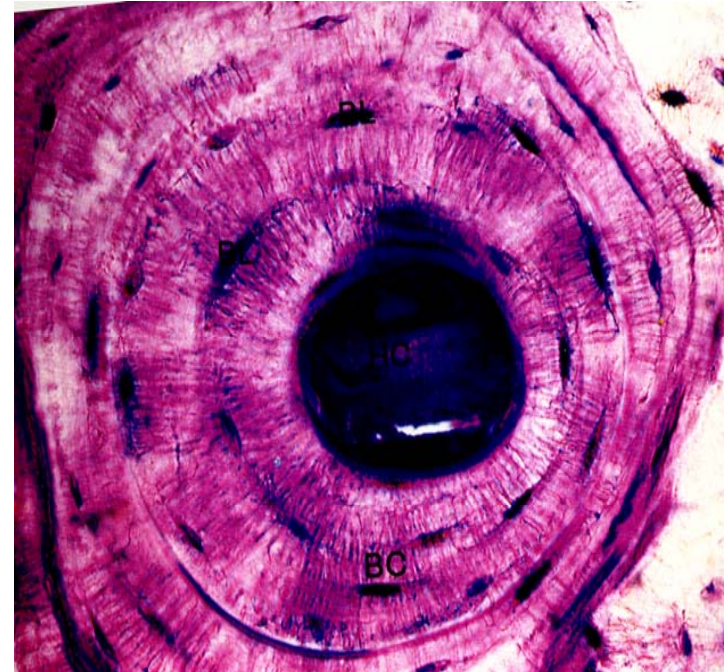
NO.3 fibrous cartilage

NO.4 elastic cartilage

NO.5 long bone

NO.6 long bone

NO.8 osteogenesis

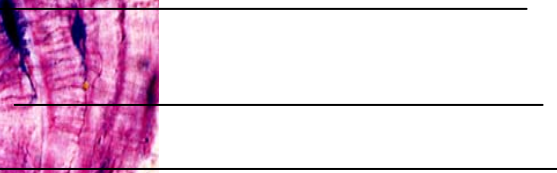
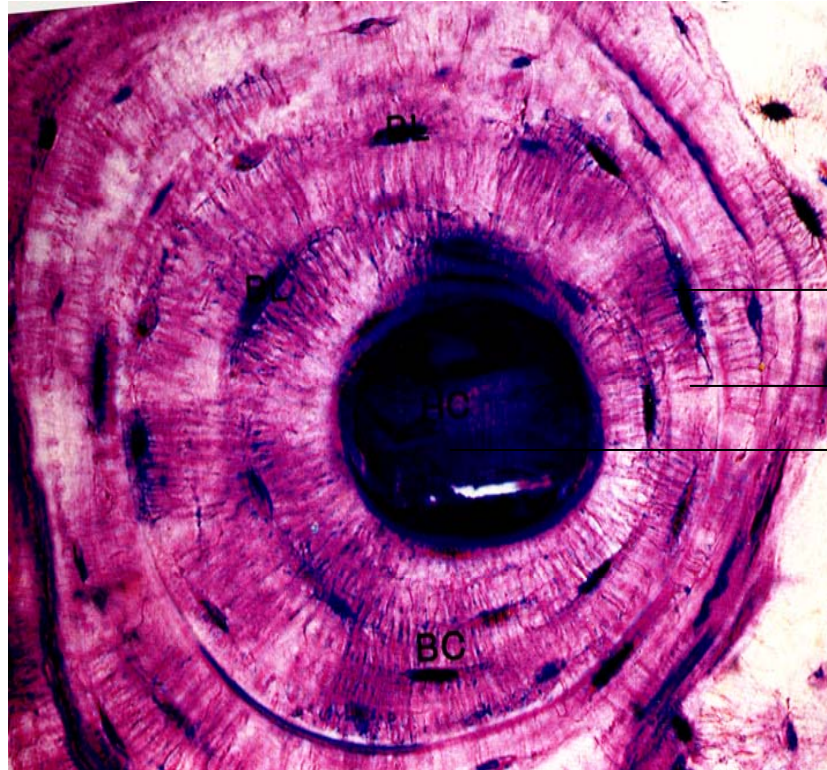


### III EM photos

### IV Drawing: osteon

### V Summary:

# IV Drawing: Osteon



material:

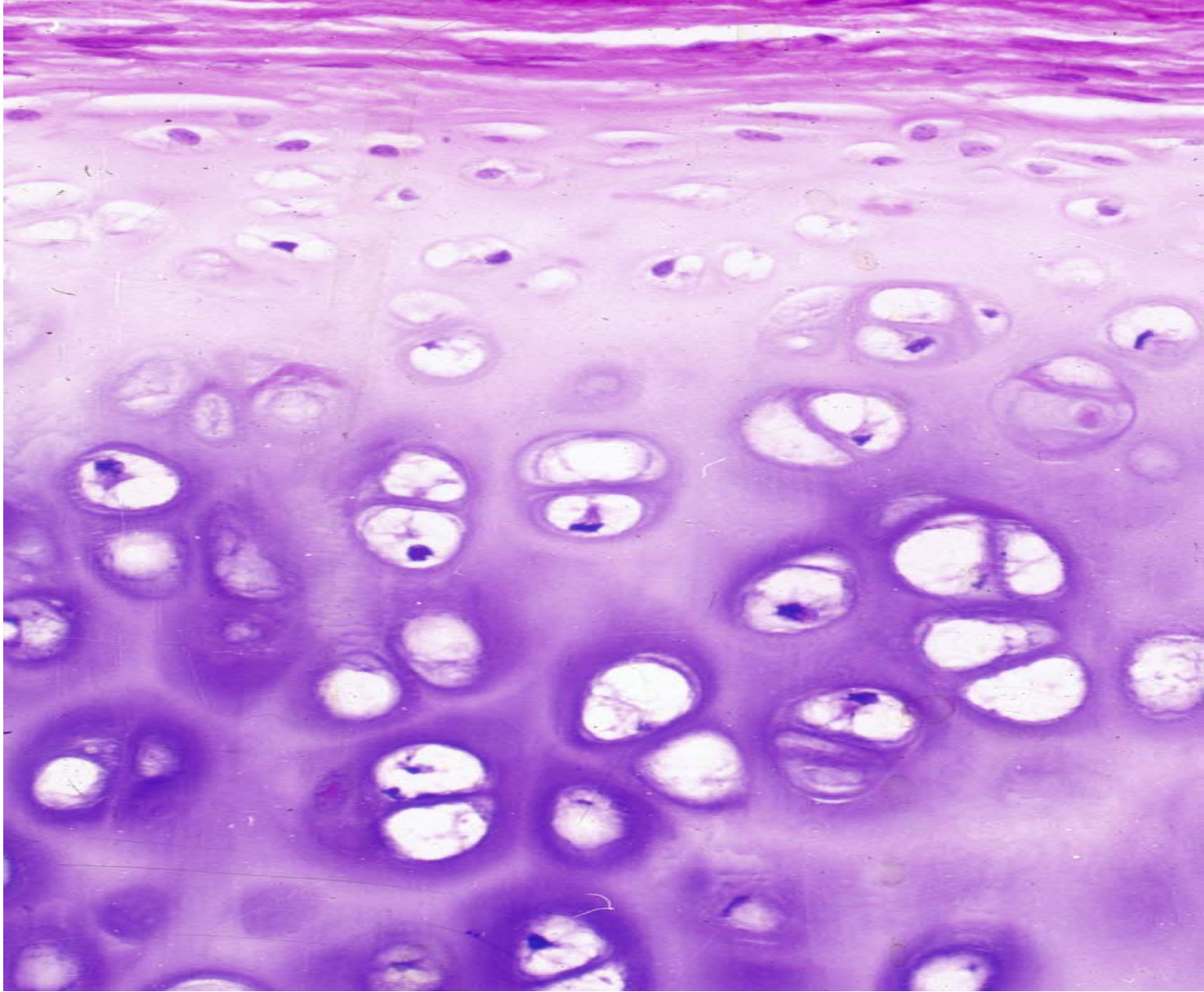
method:

amplification:

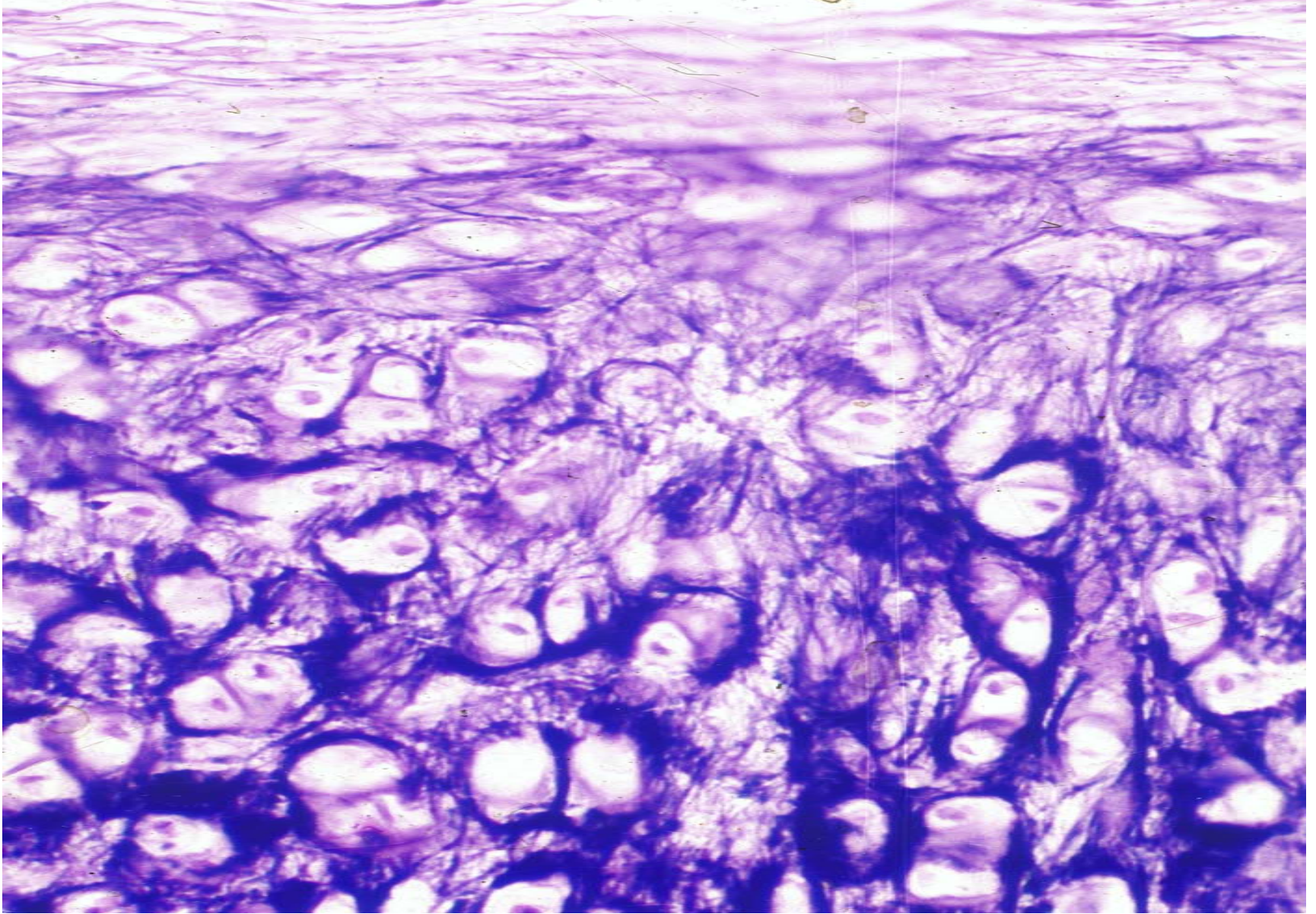
date:

## V Summary:

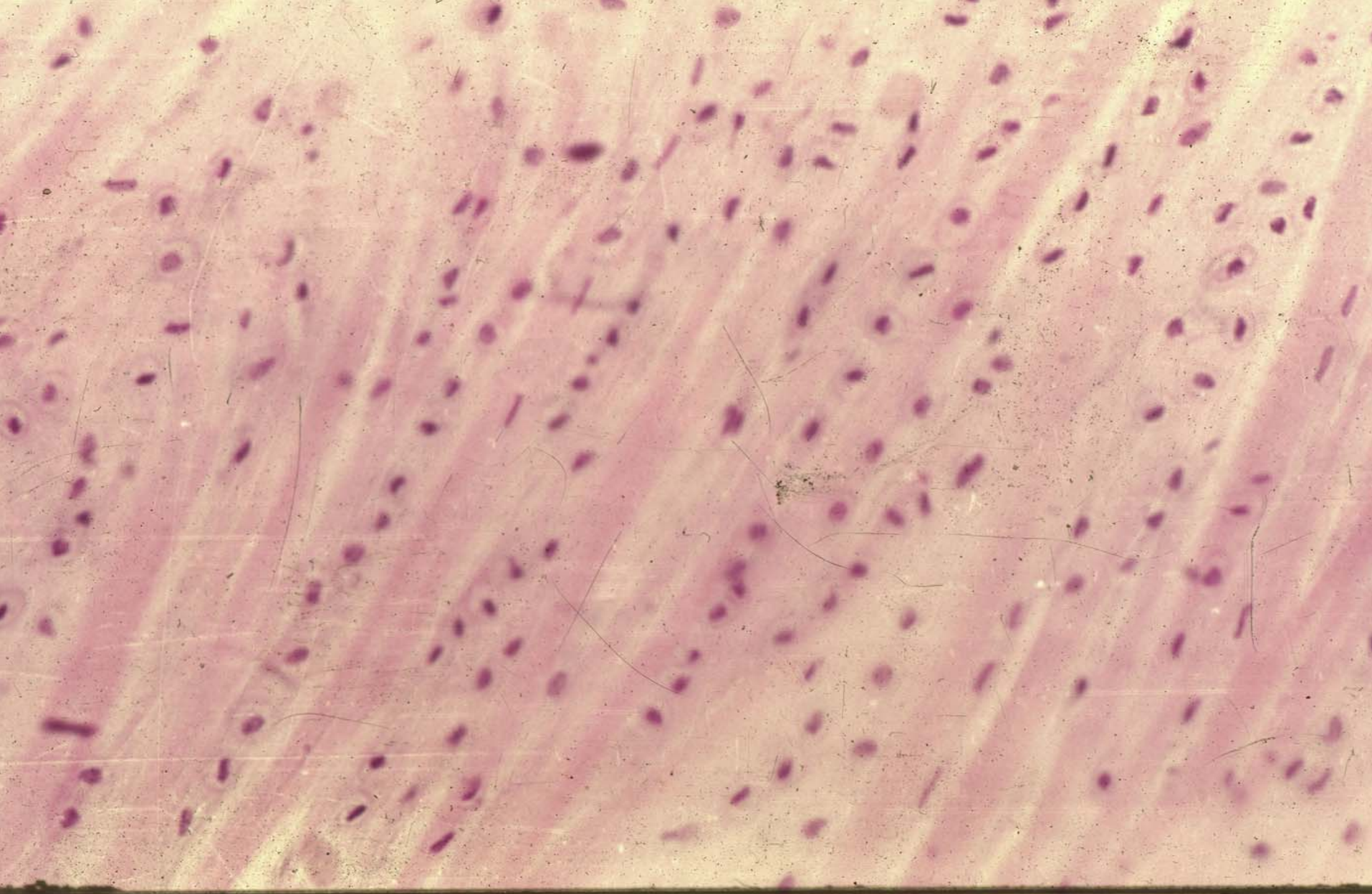
- The LM structure of osteon.
- The difference between hyaline cartilage ,  
elastic cartilage and fibrous cartilage.



hyaline cartilage



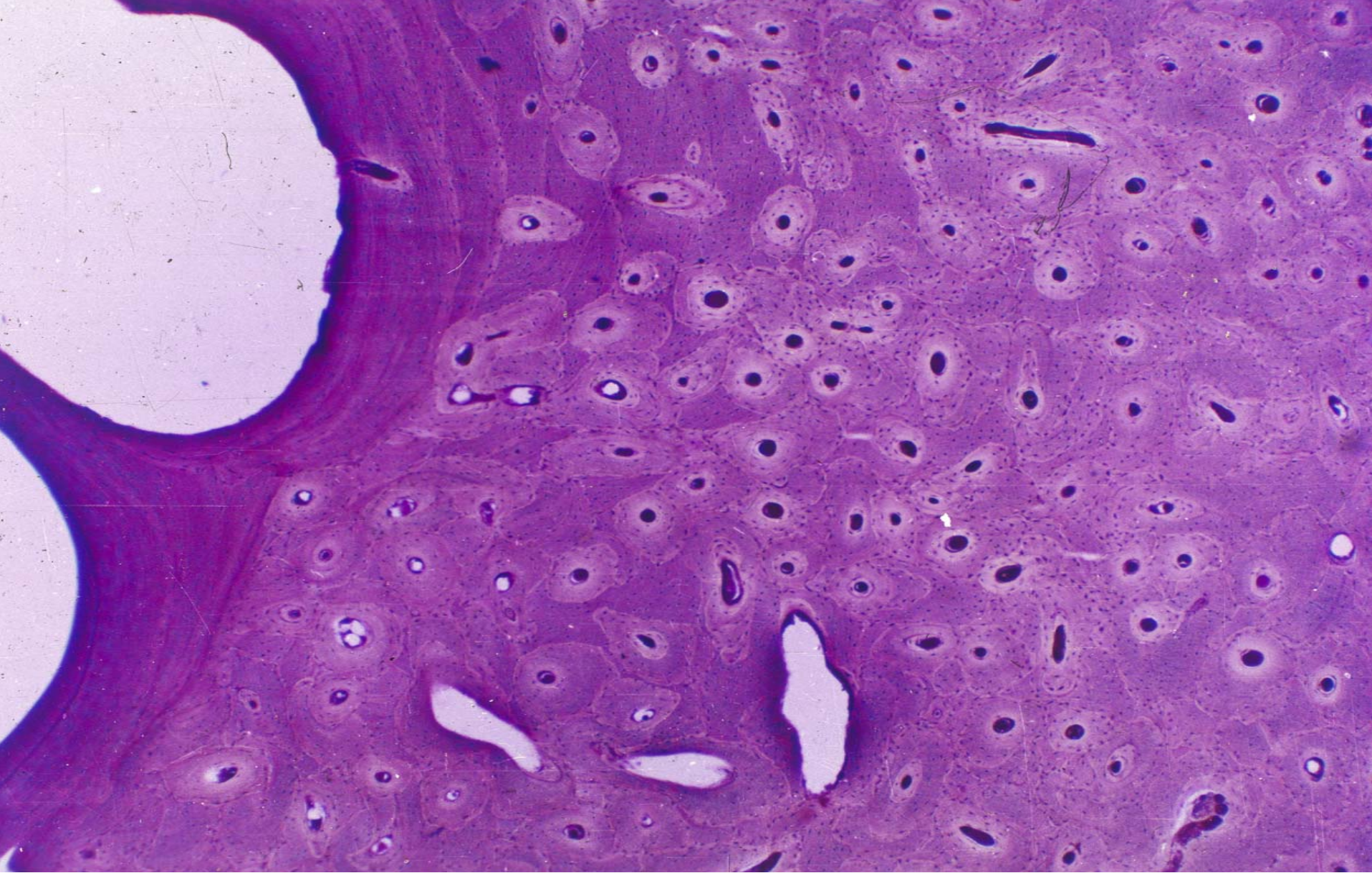
elastic cartilage



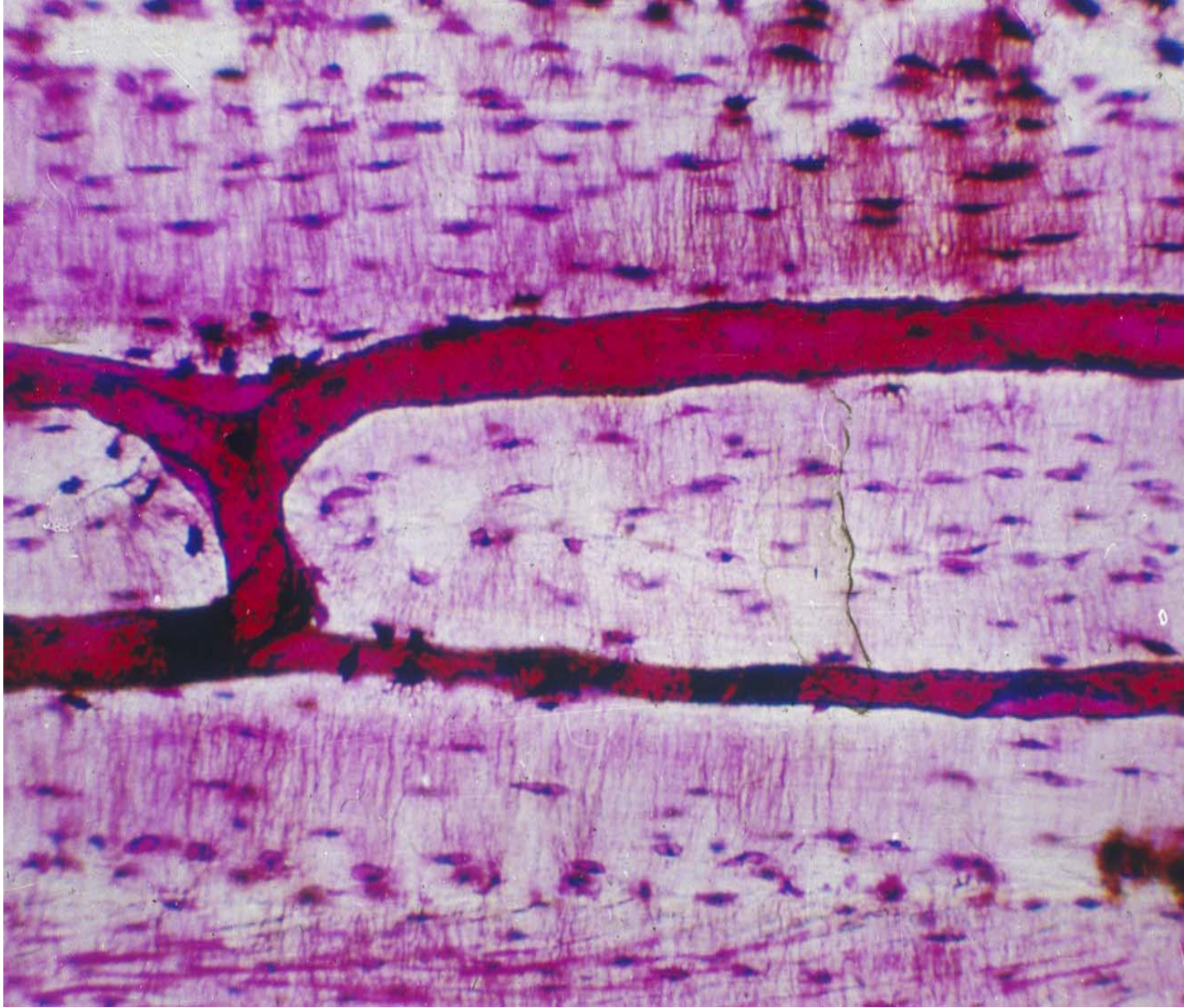
fibrous

cartilage

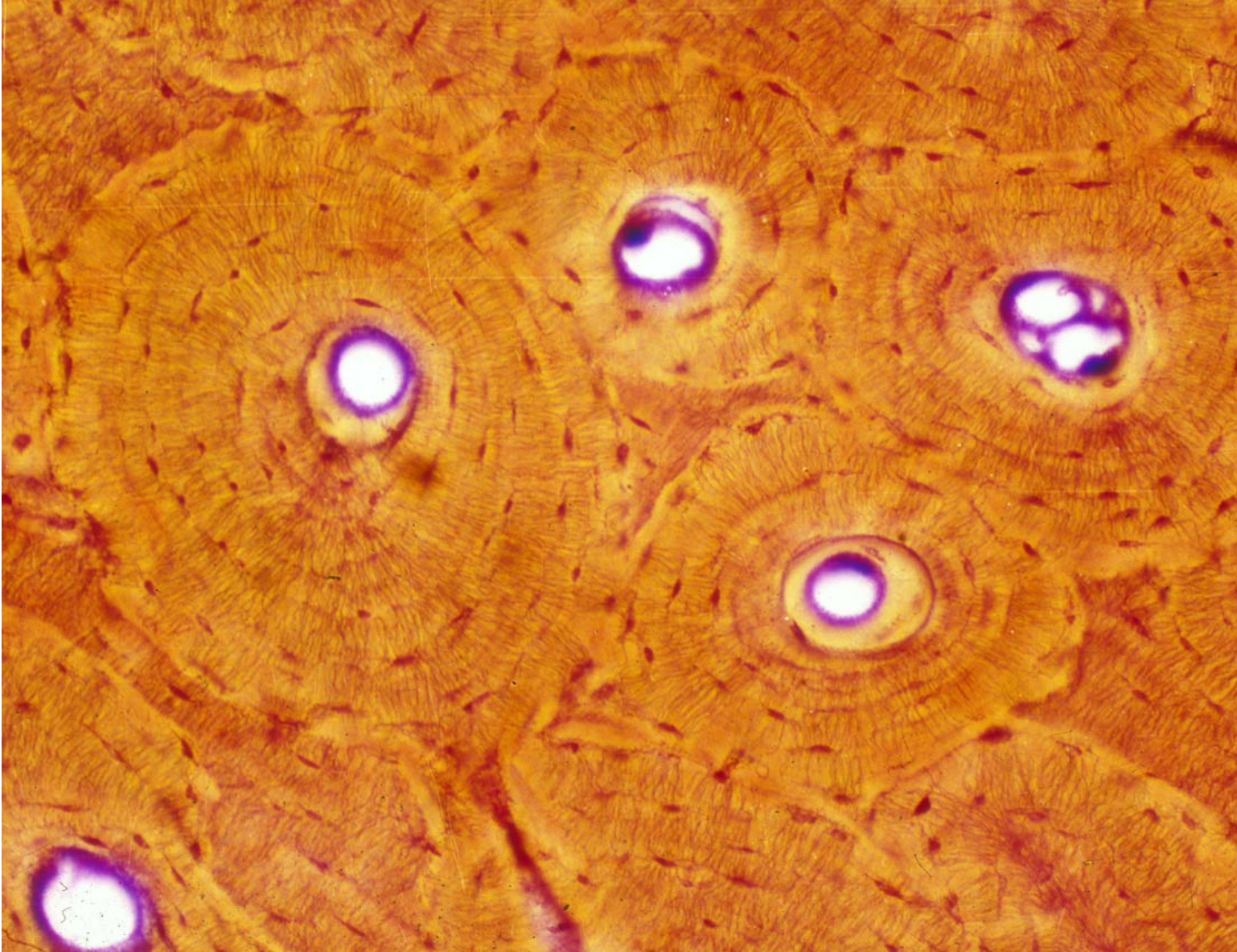




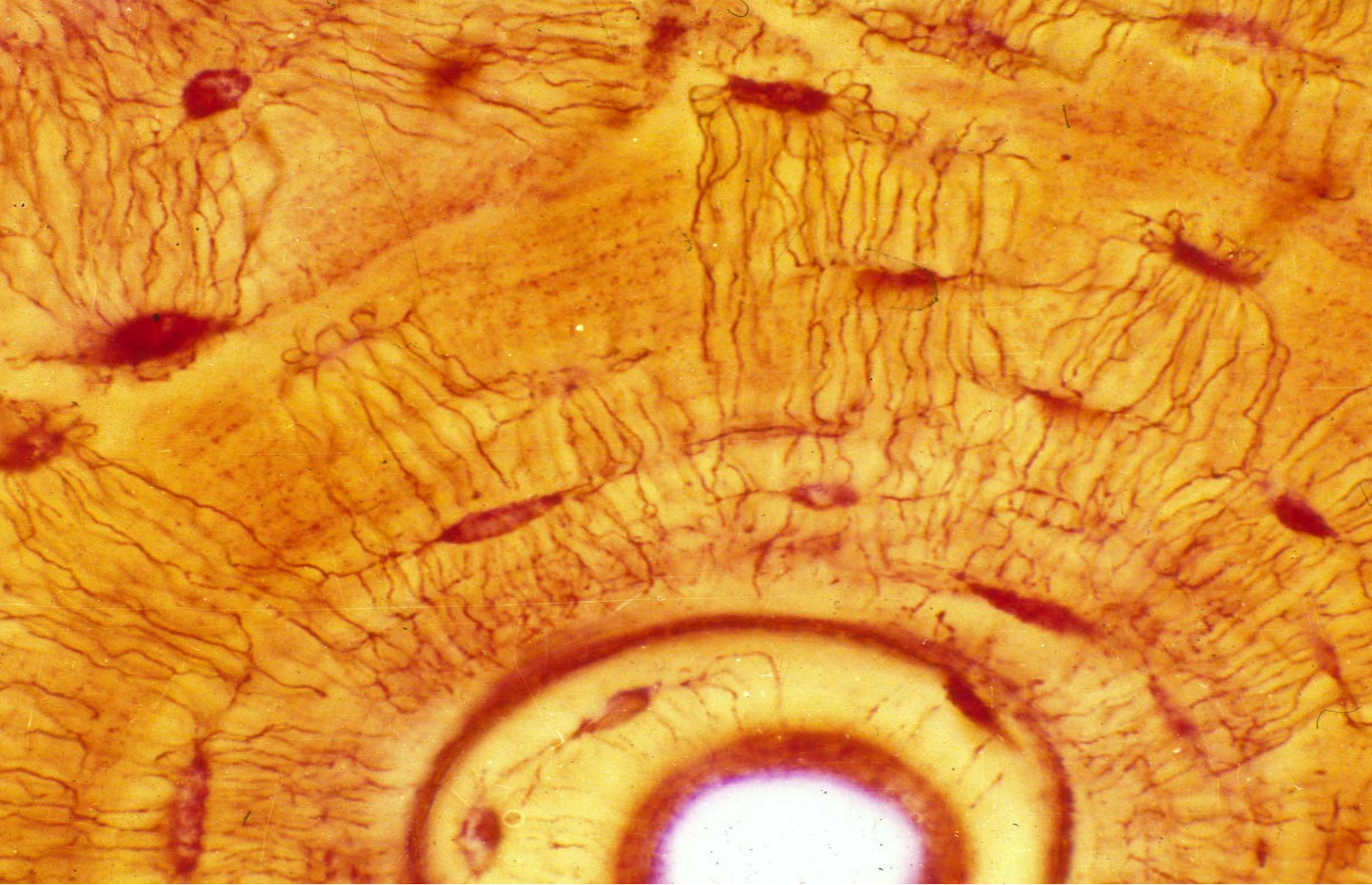
long bone



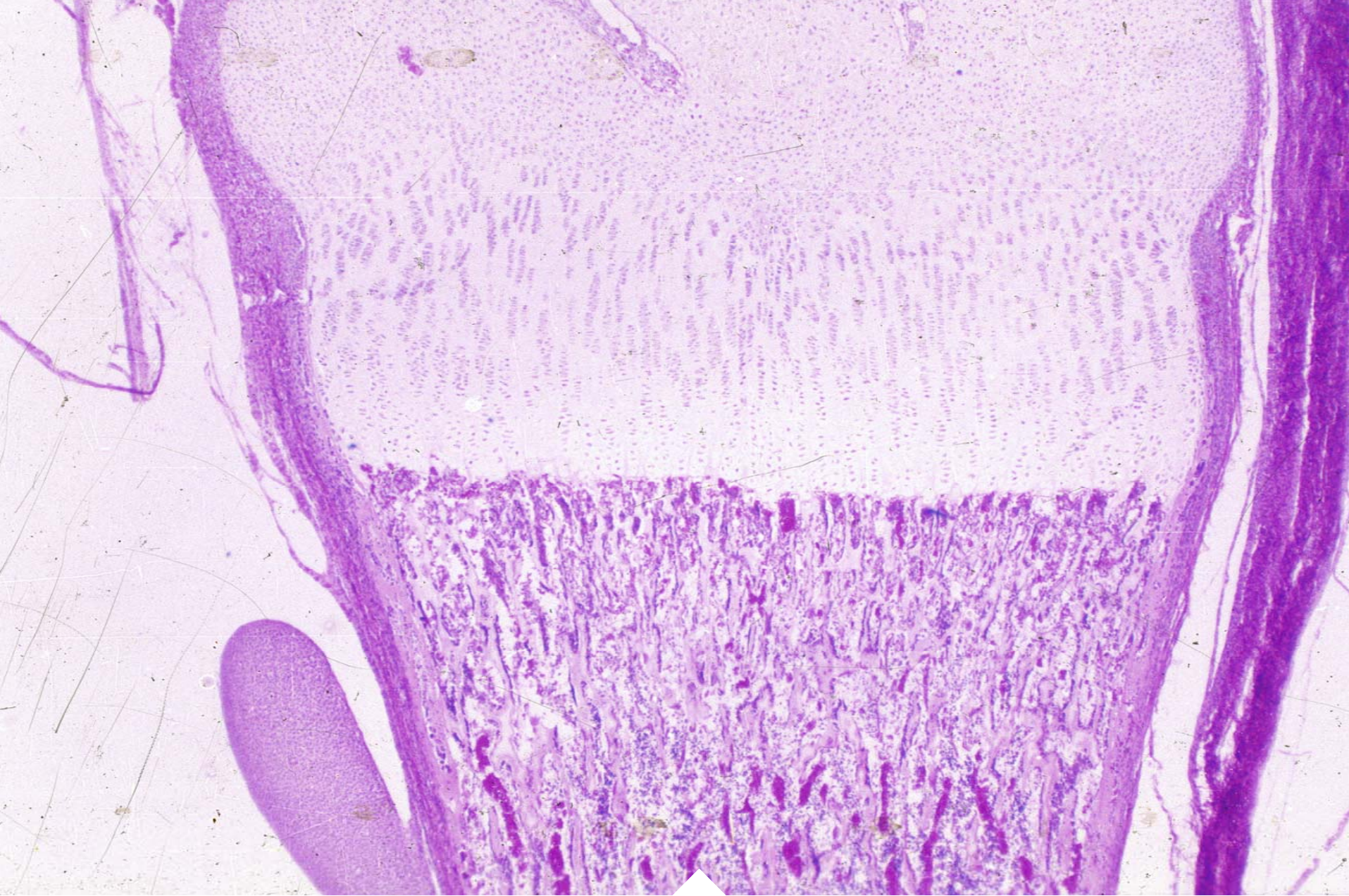
long bone



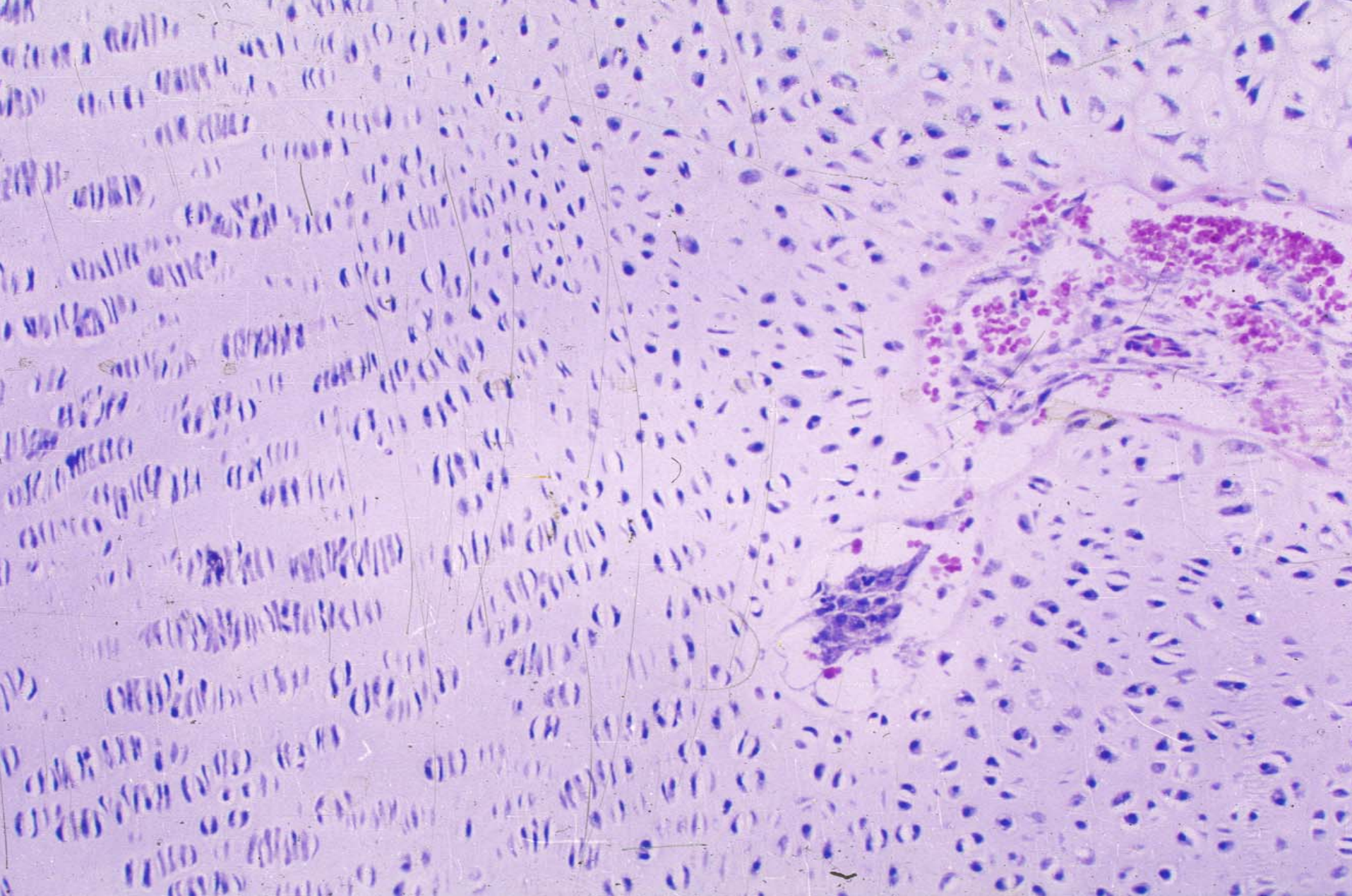
osteon



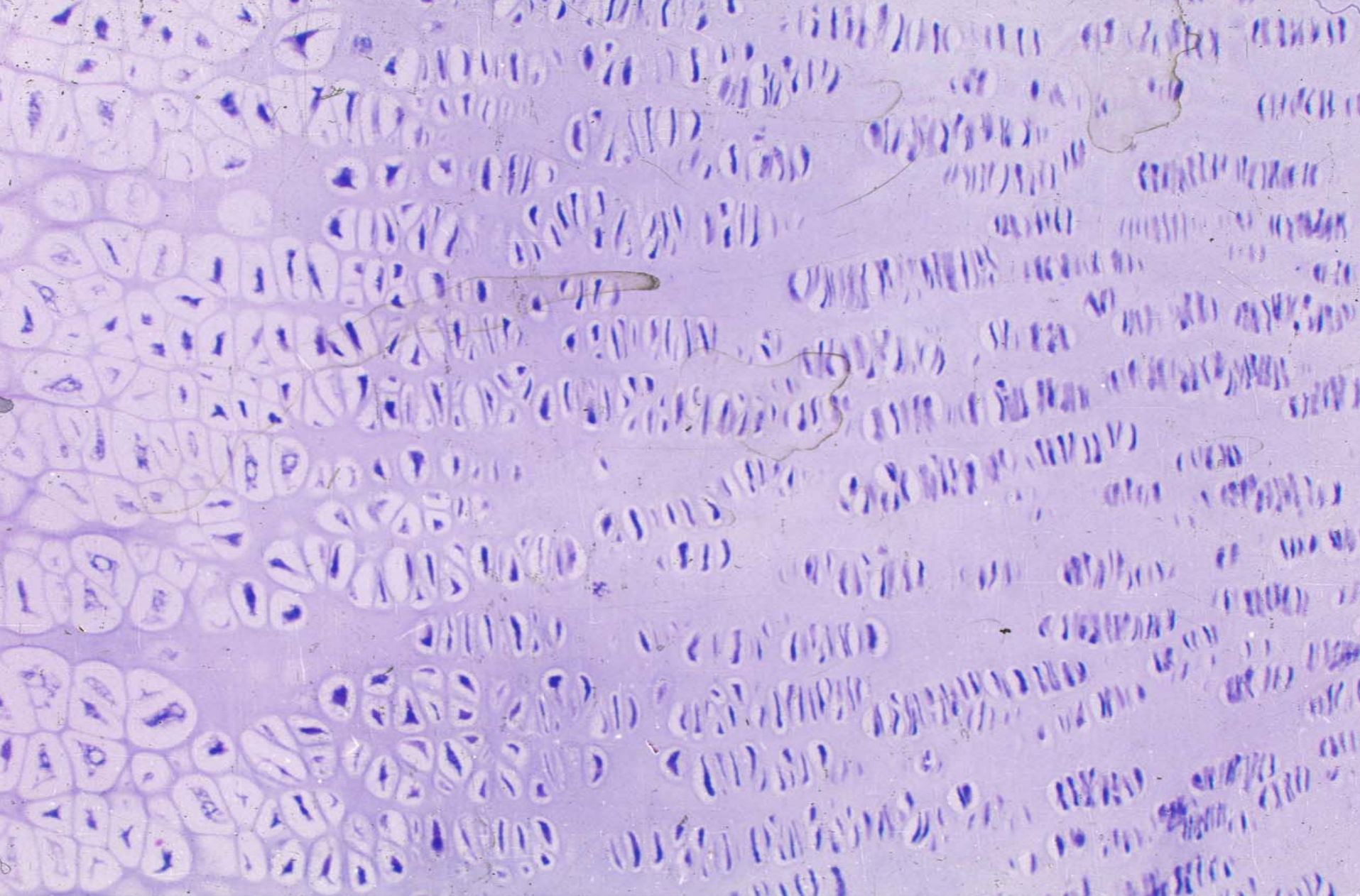
osteon



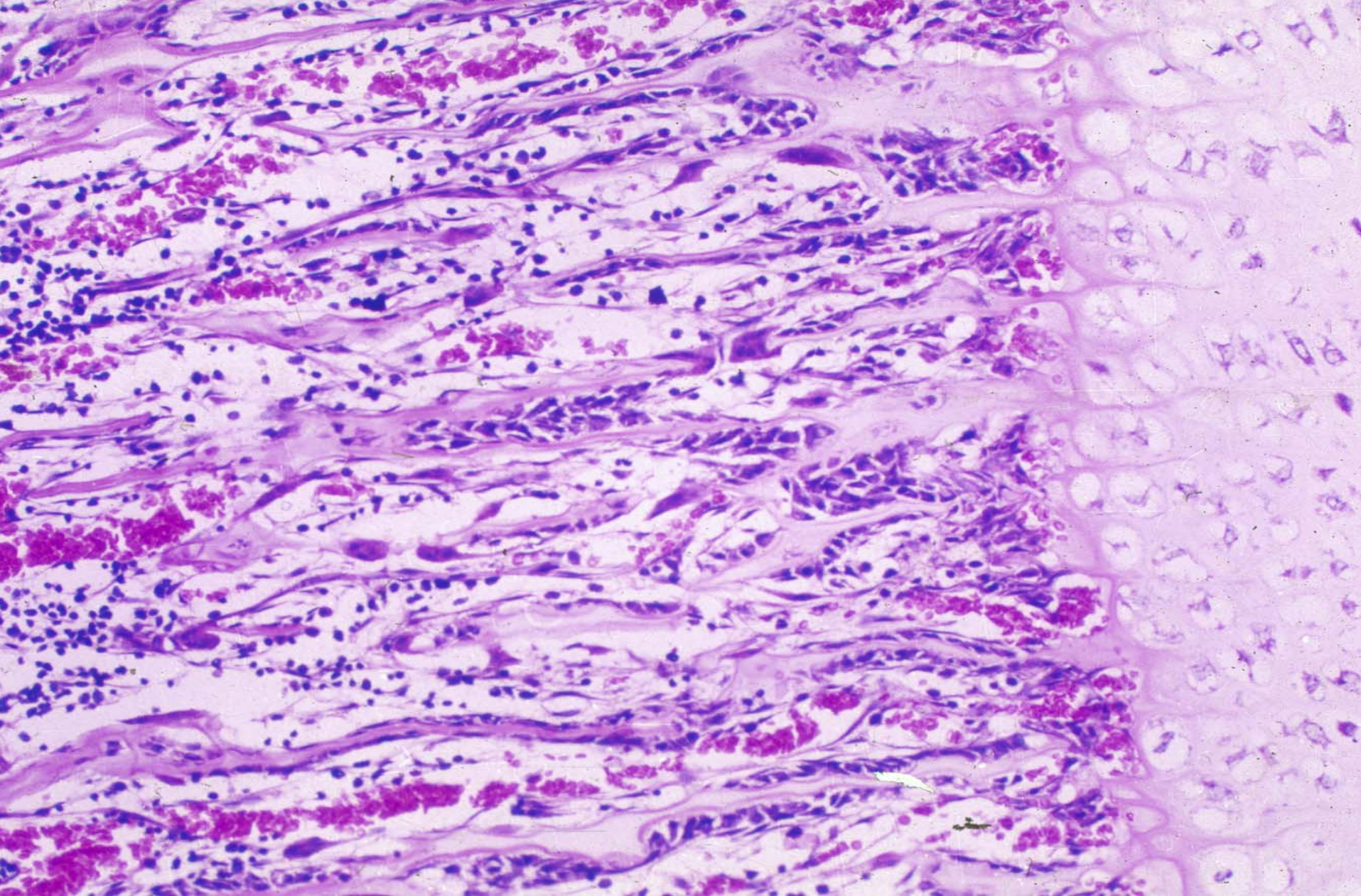
osteogenesis



zone of reserve cartilage

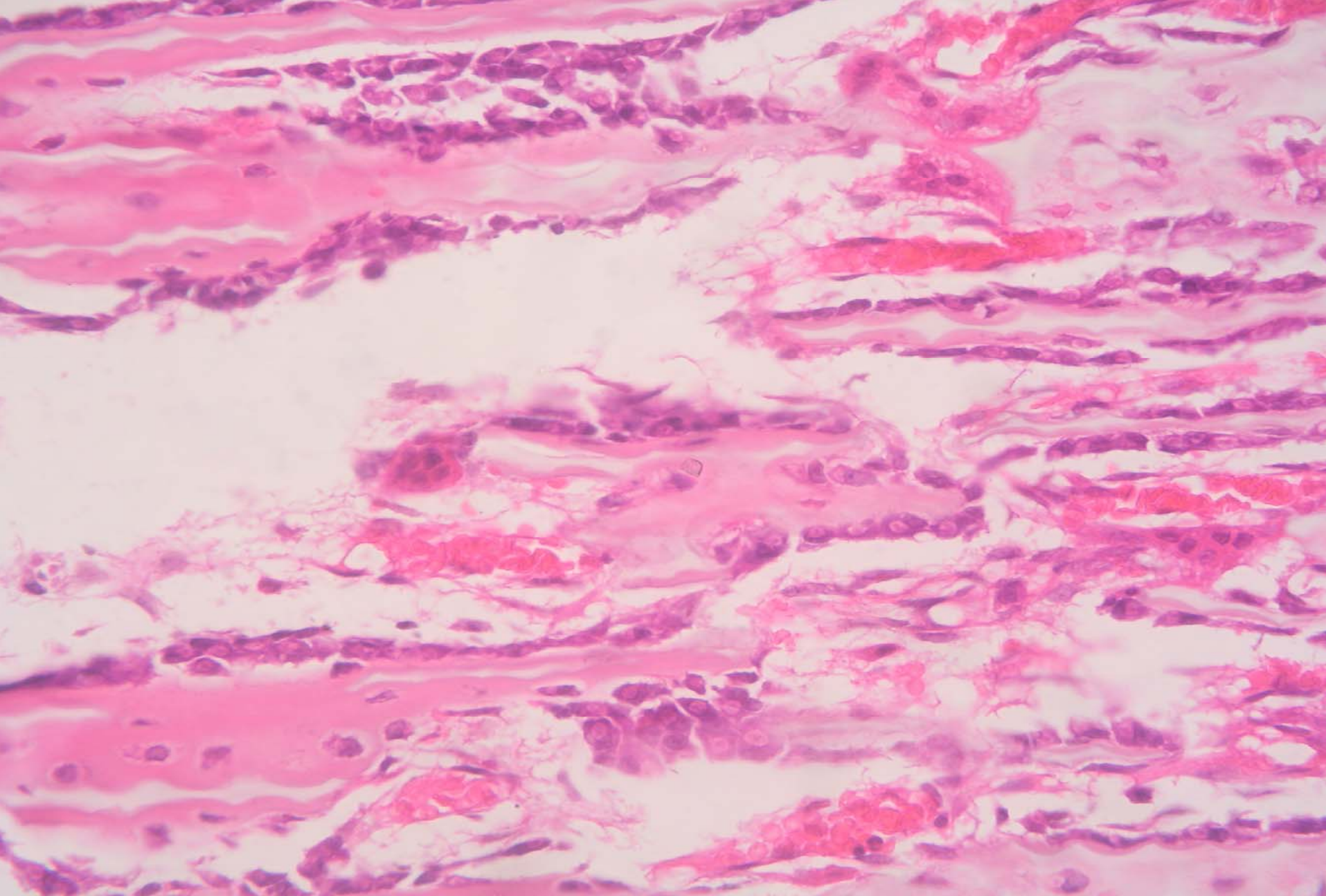


**zone of proliferating cartilage and zone of calcifying**

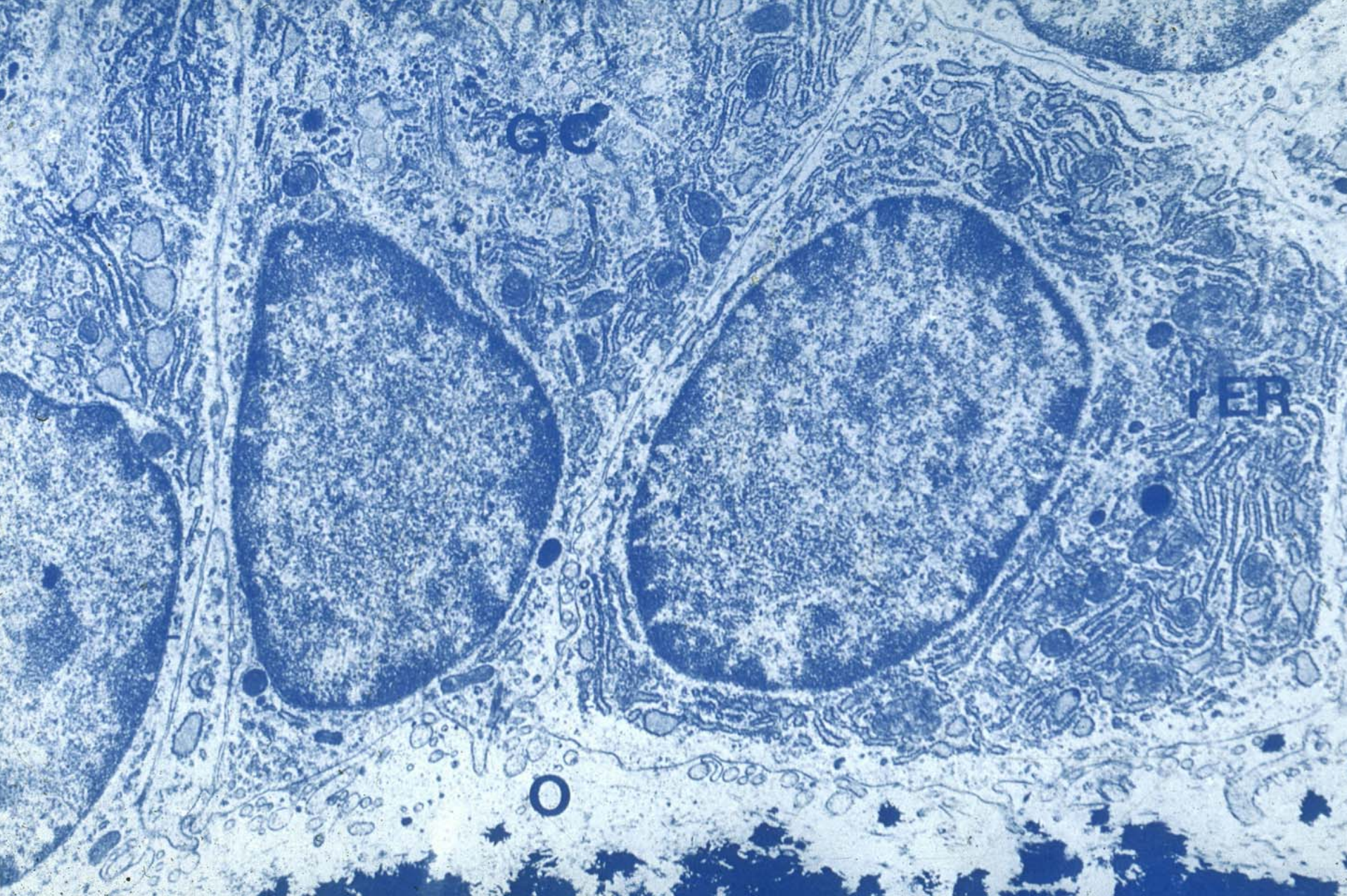


**zone of ossification**

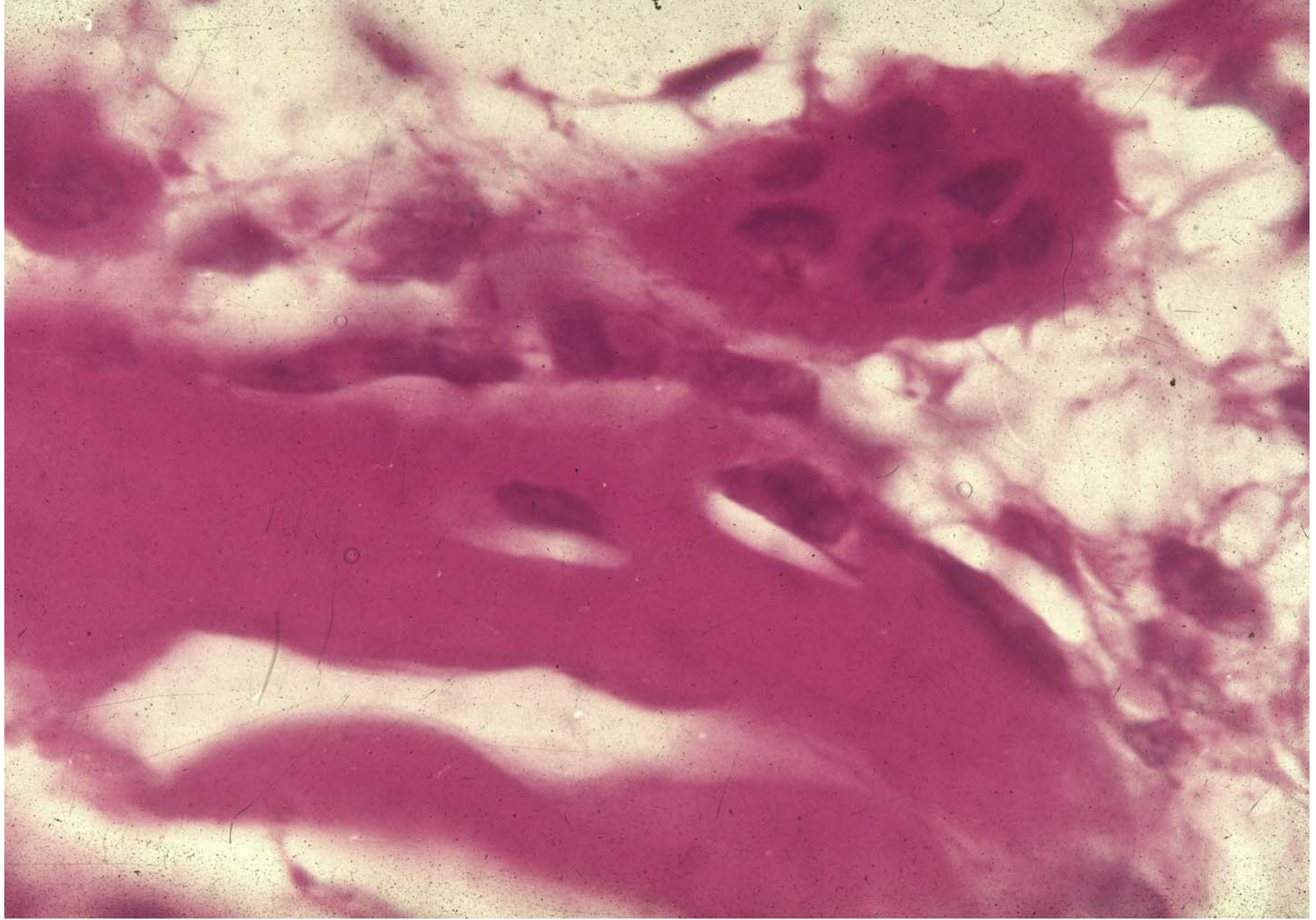




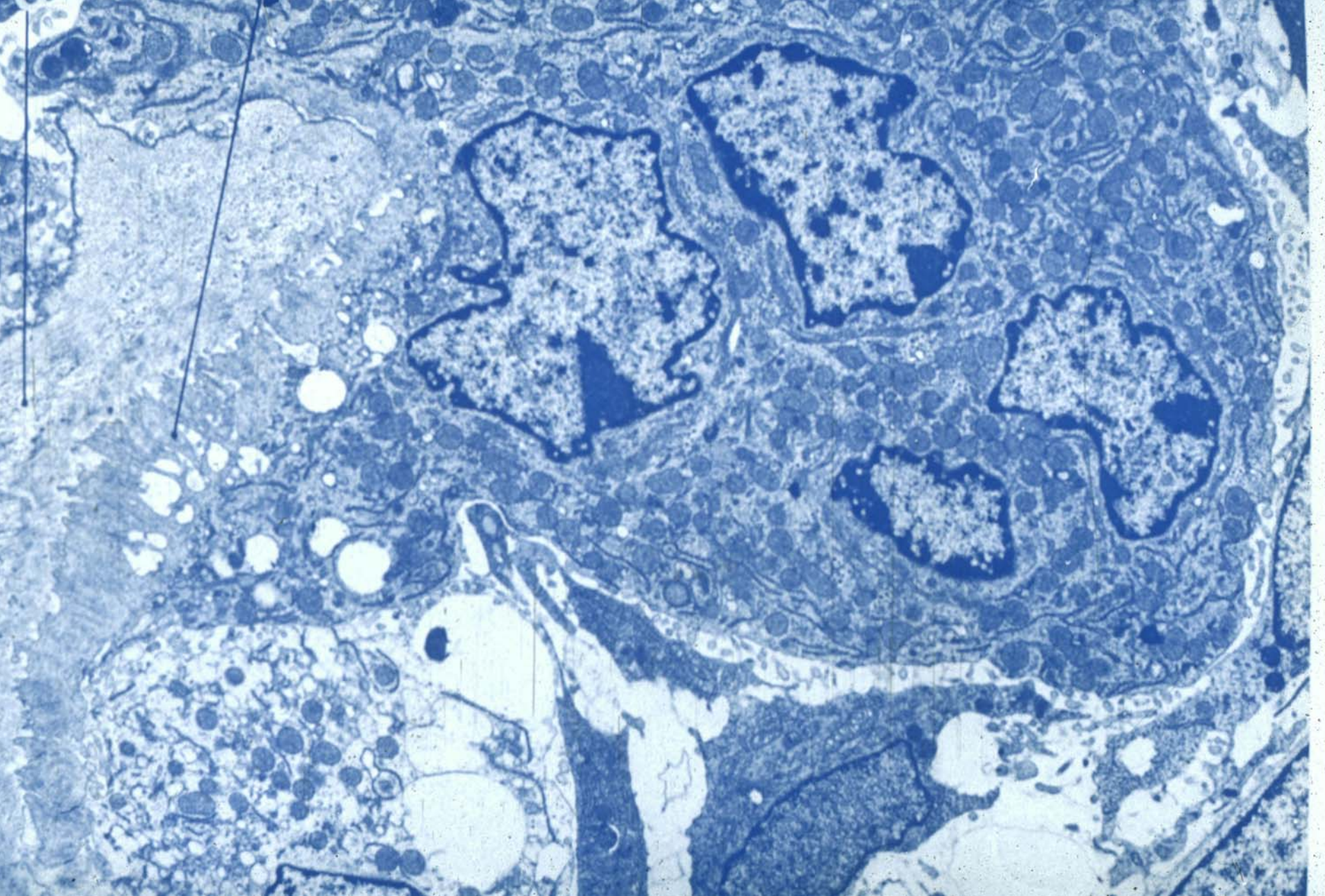
osteoblast



osteoblast



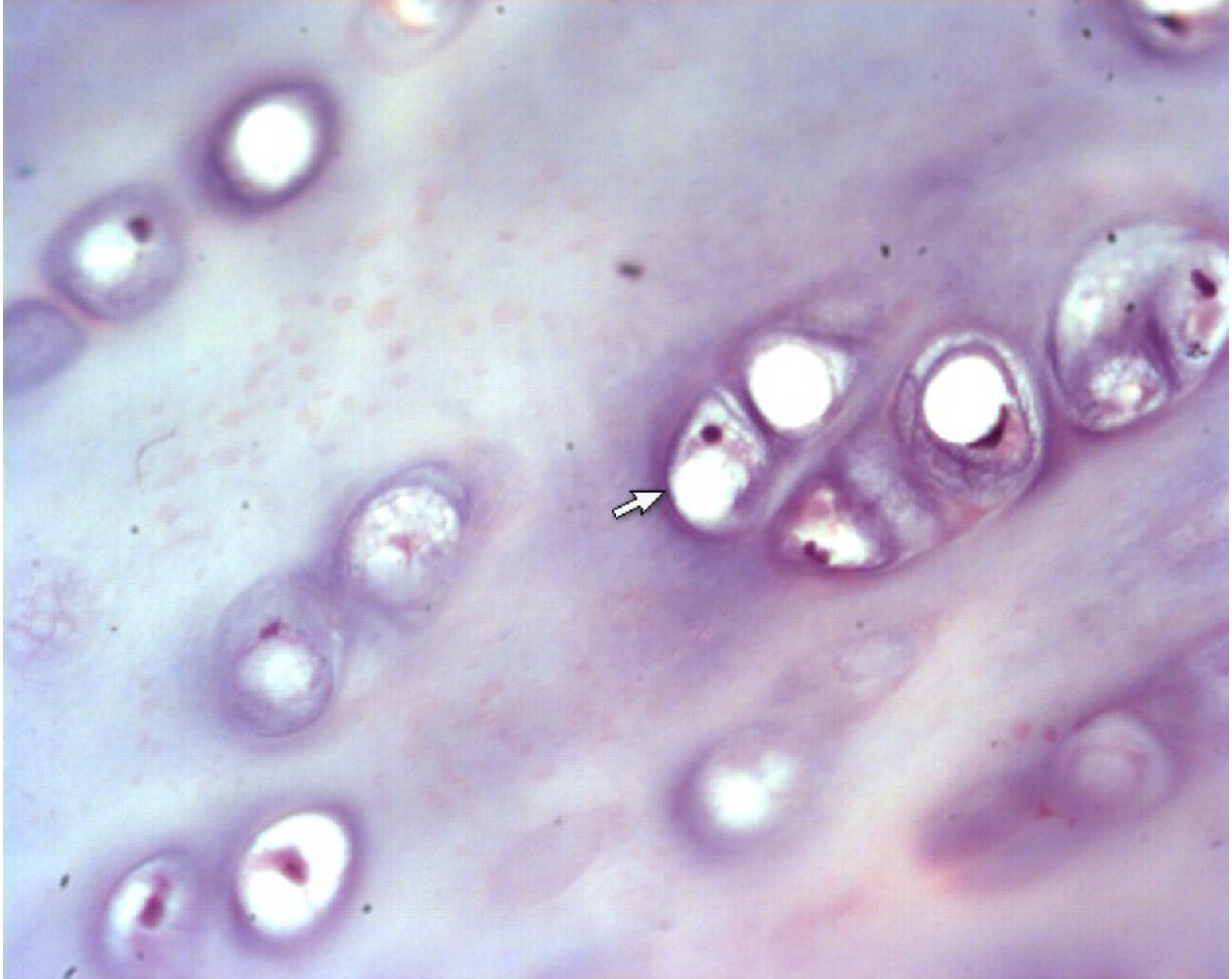
osteoclast, osteopath and osteocyte



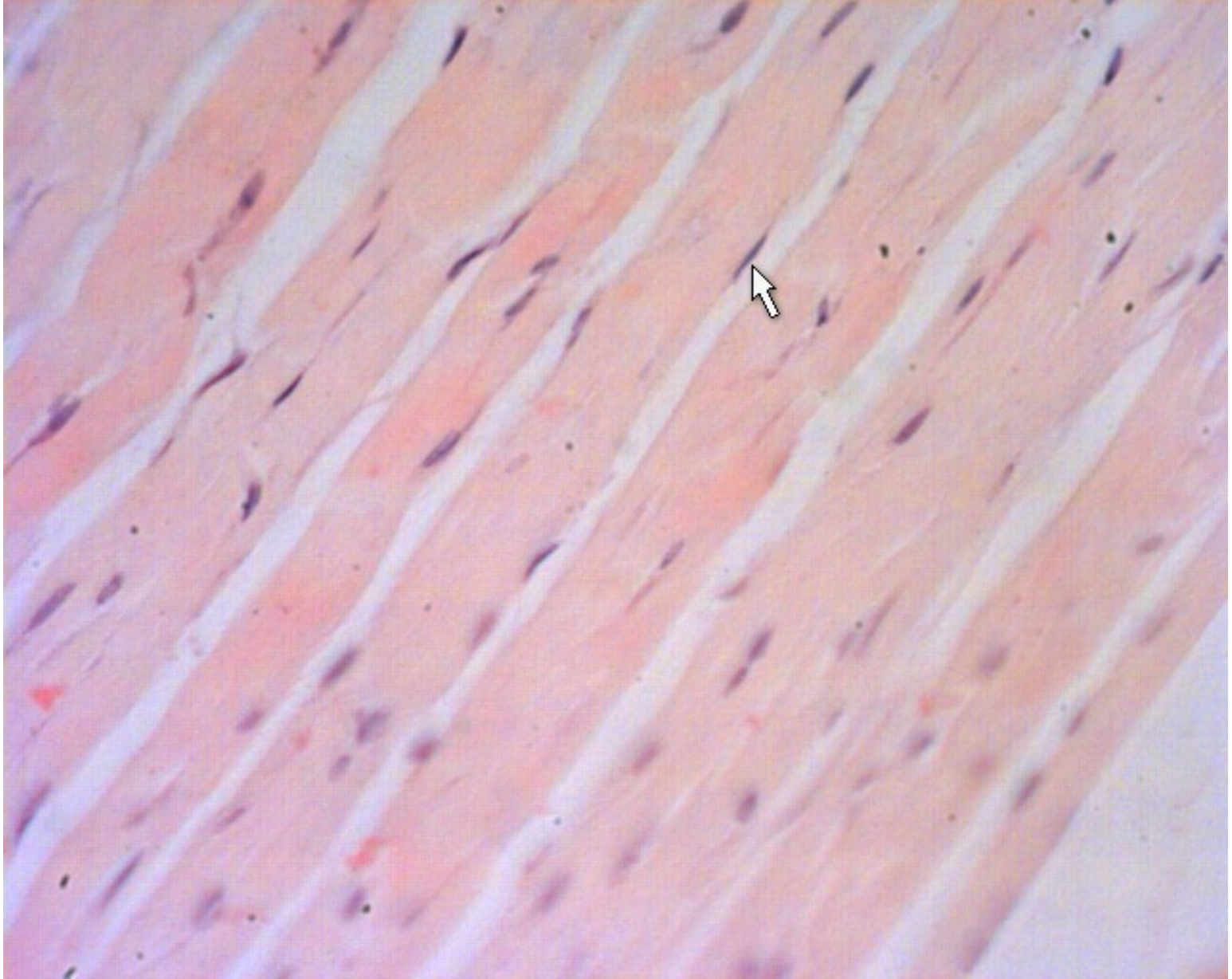
osteoclast



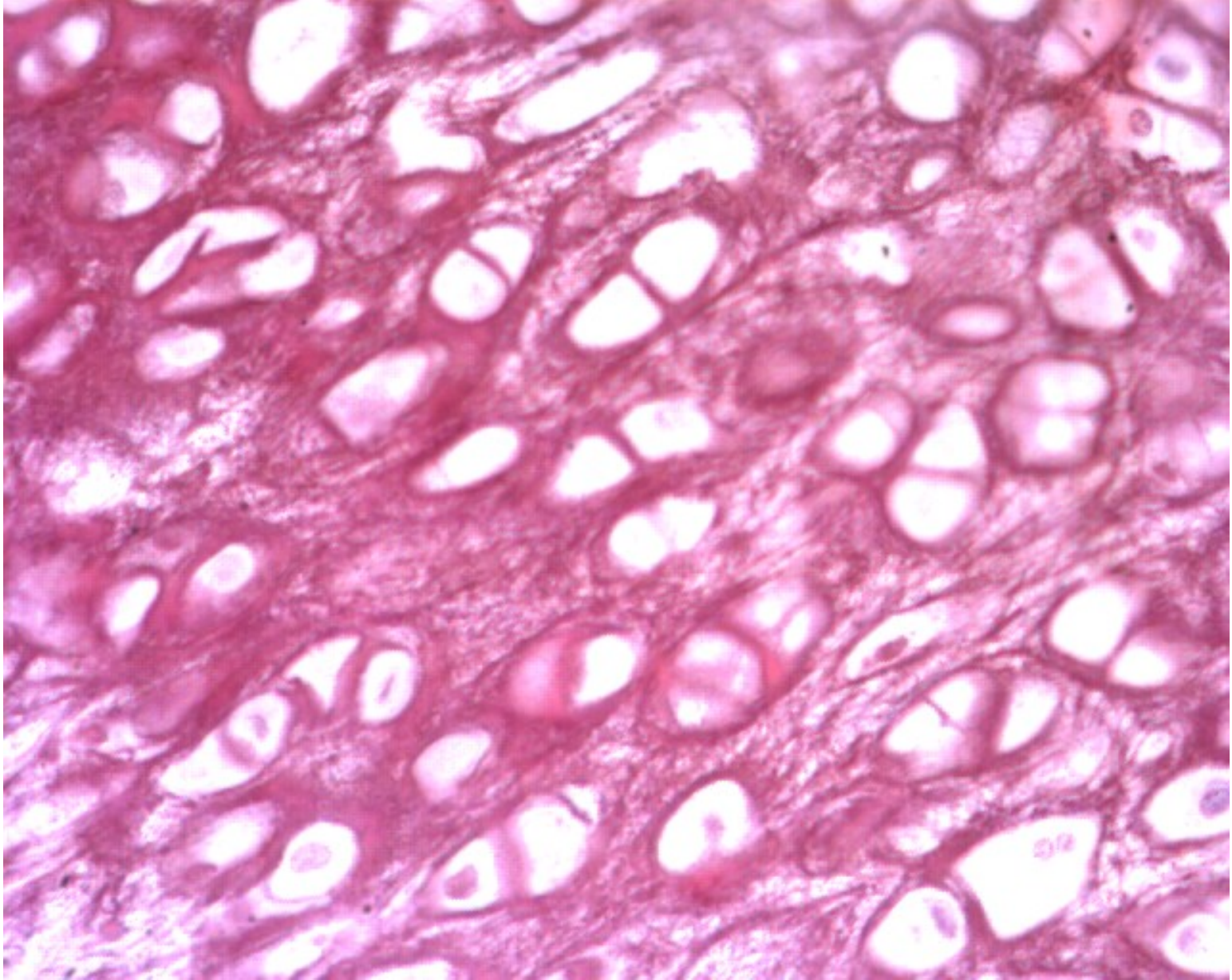
hyaline cartilage



**chondrocyte, isogenous group, cartilage lacuna, cartilage capsule**

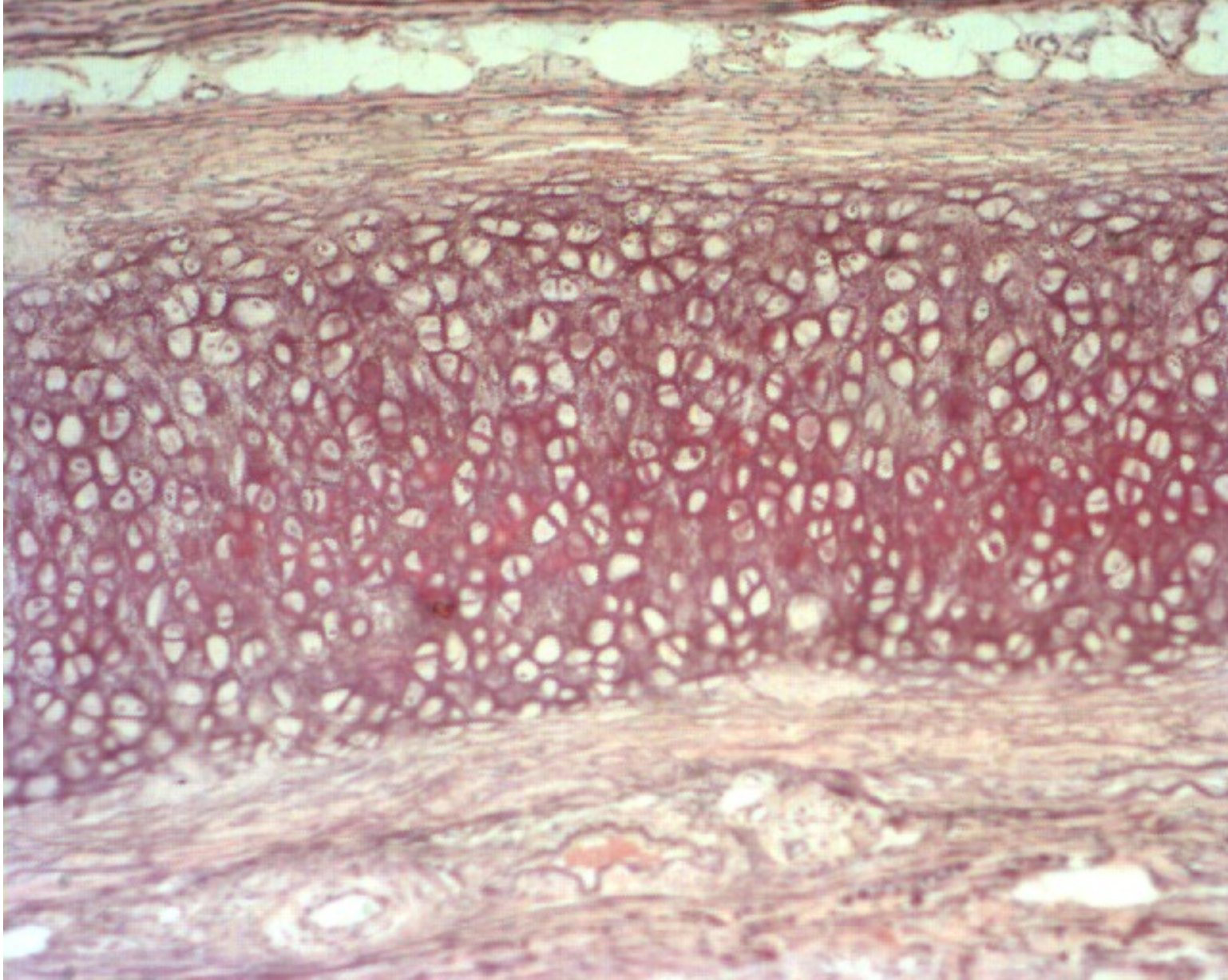


**fibrous cartilage**



**elastic fiber**





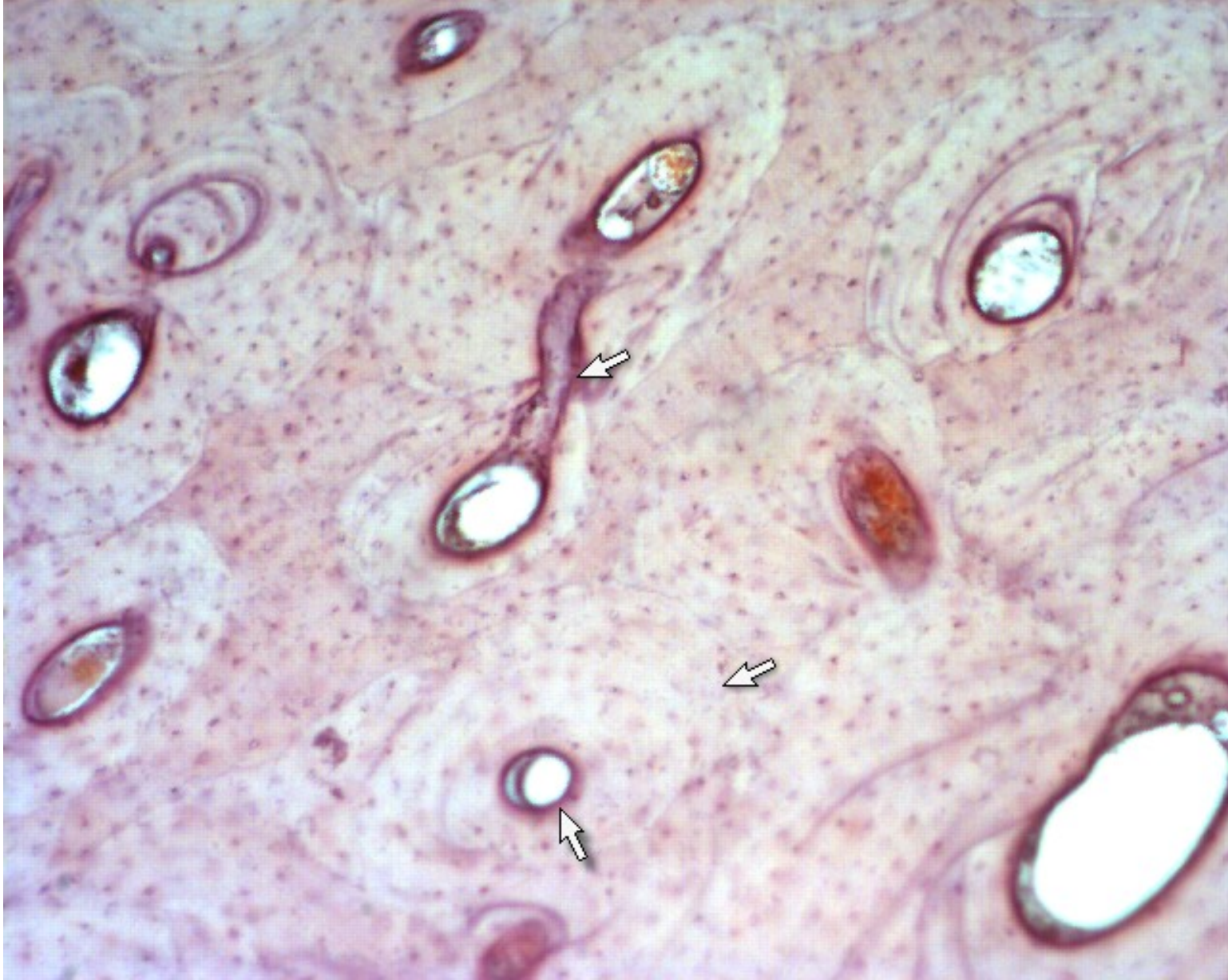
**elastic cartilage**



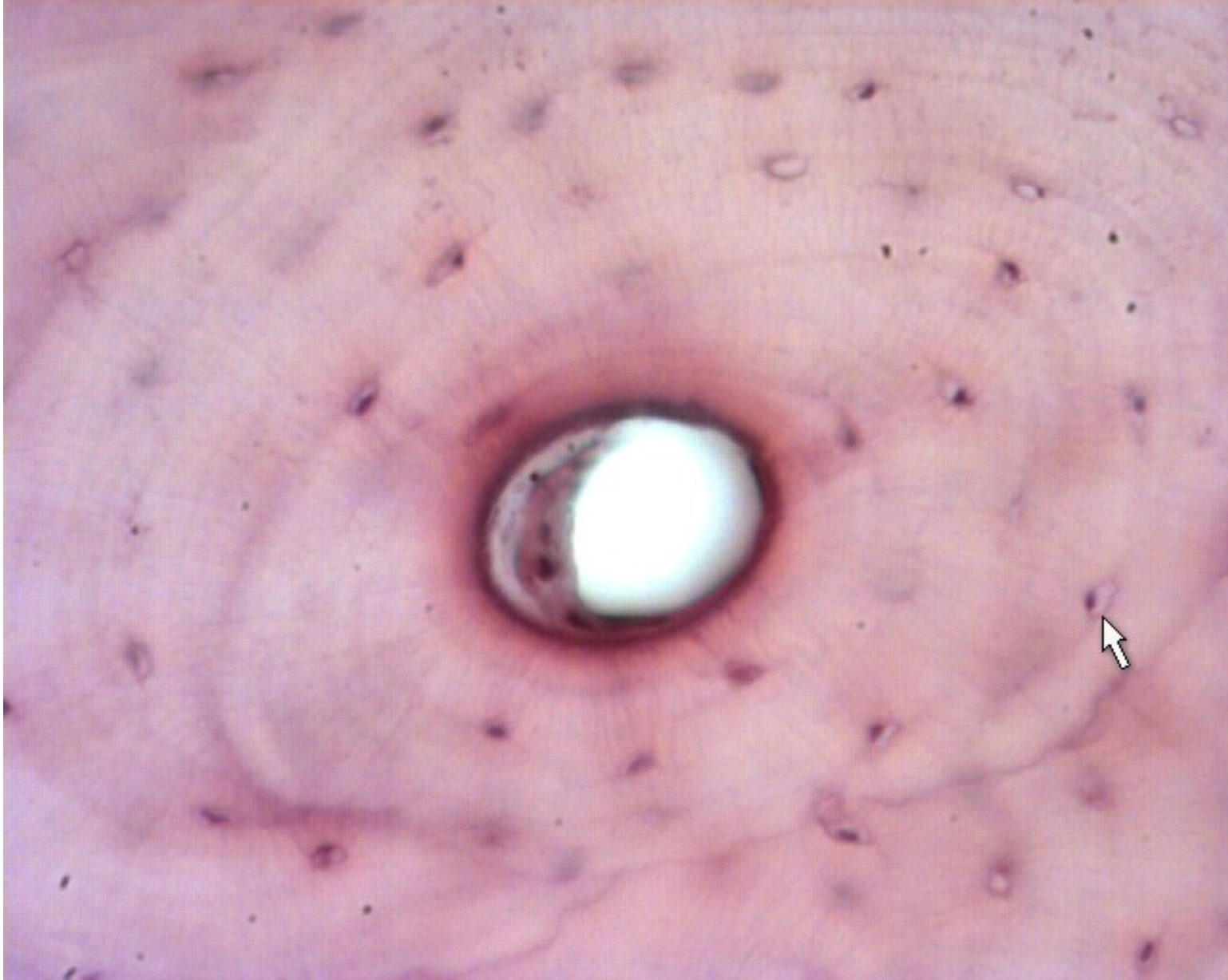
**outer circumferential lamella**



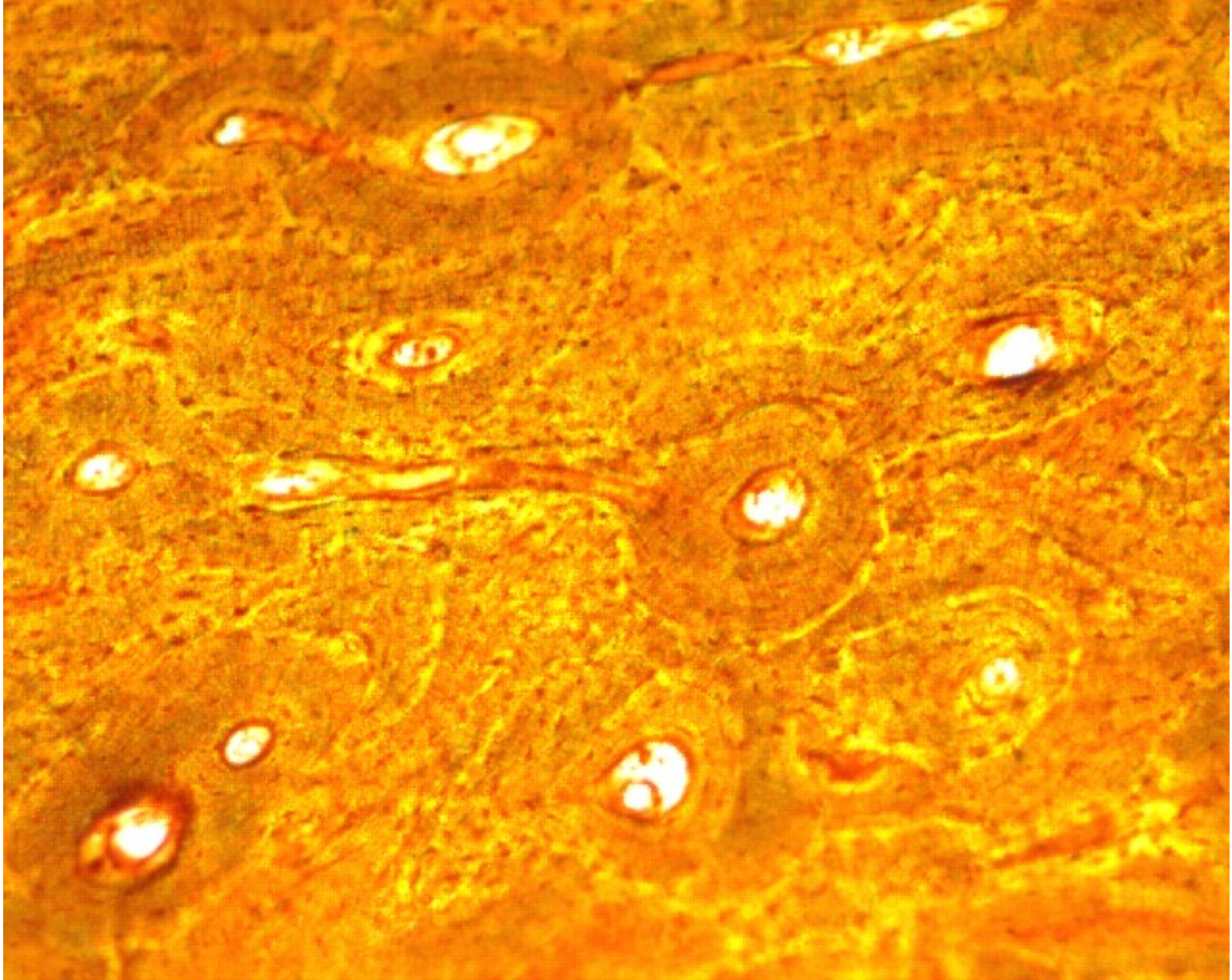
**inner circumferential lamella**



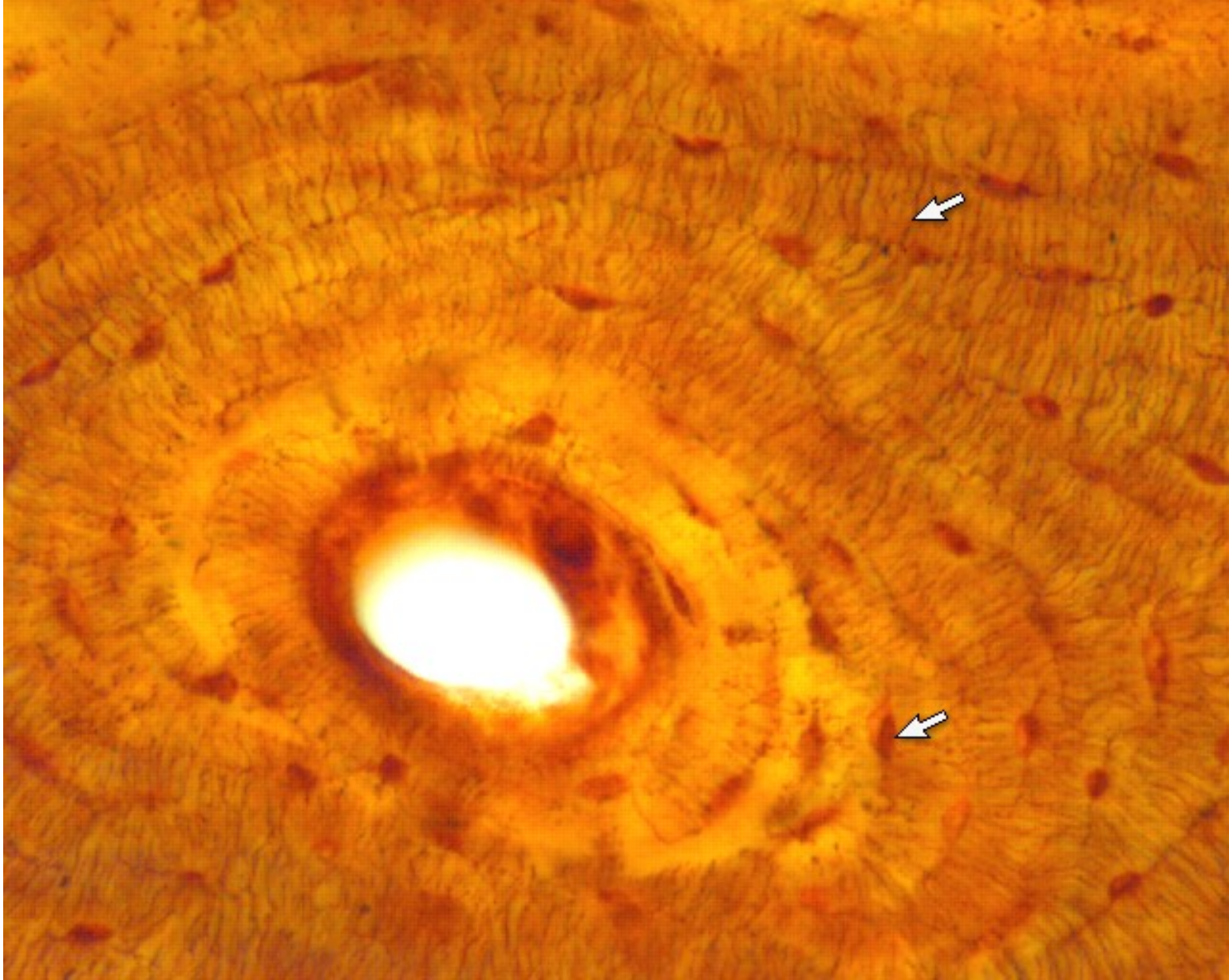
**interstitial lamella and osteon**



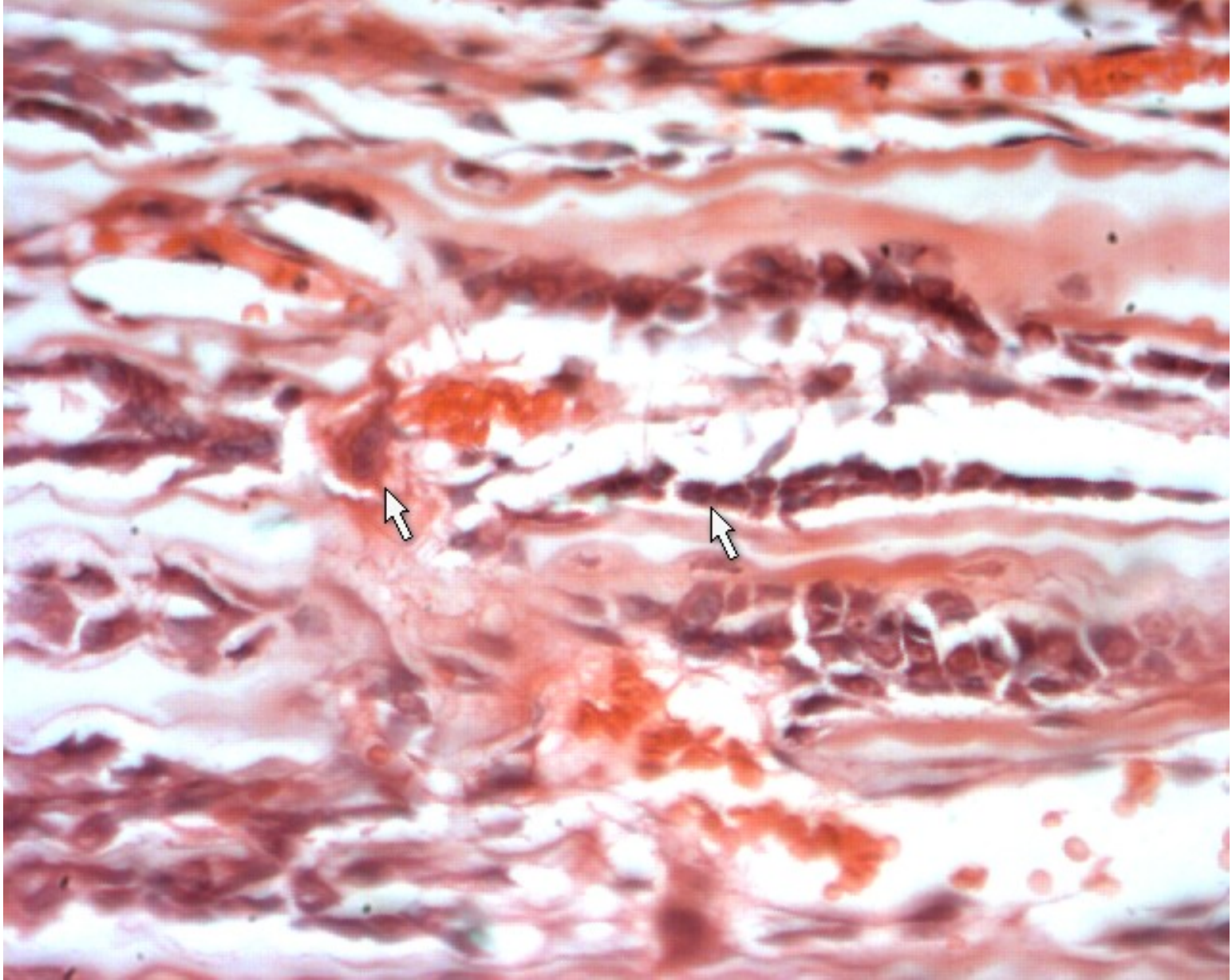
**osteon**



**osteon**

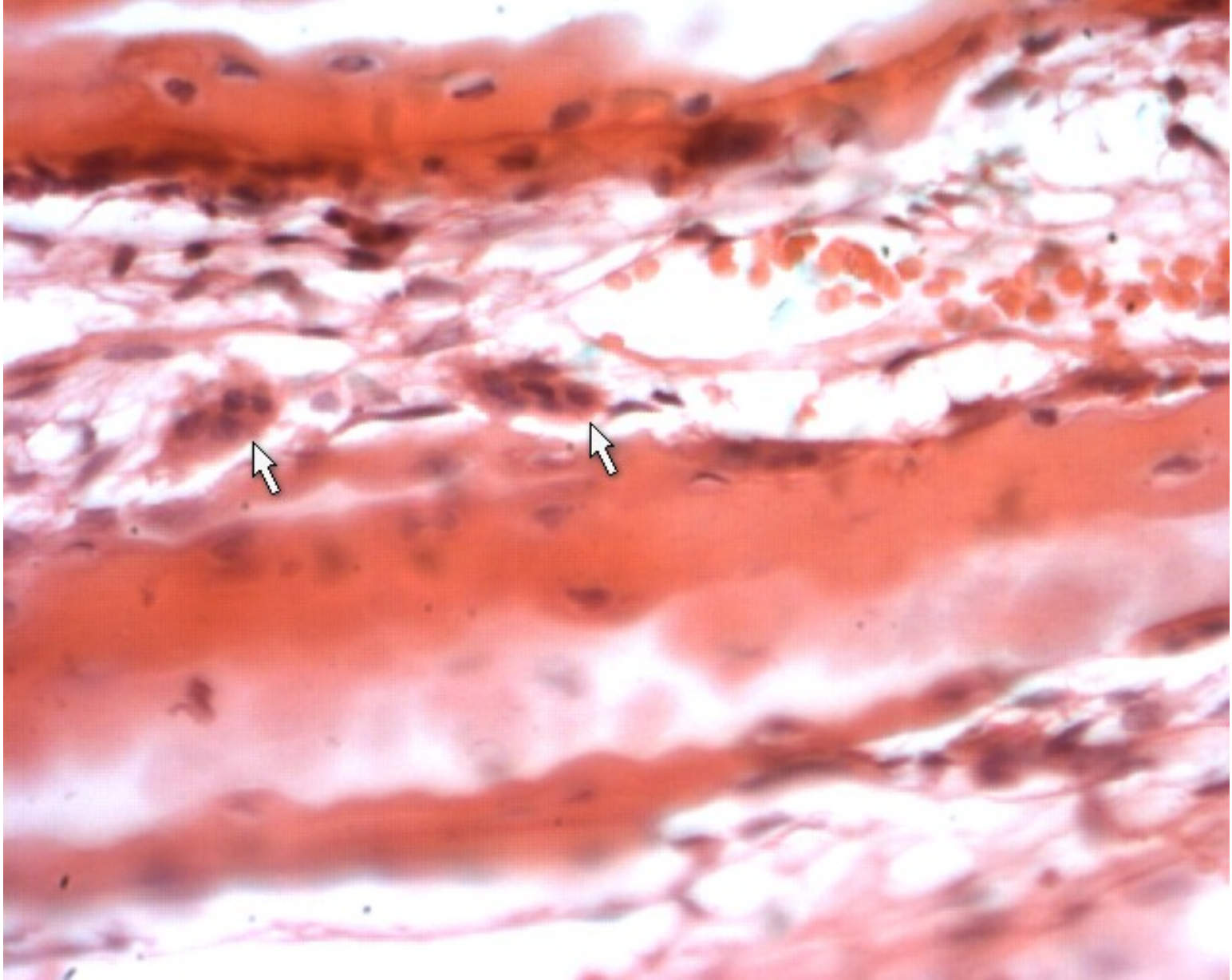


**osteon**



**osteoblast**





**osteoclast**