

Block 102-PMS

First grade histology practical
lesson 9

Bone

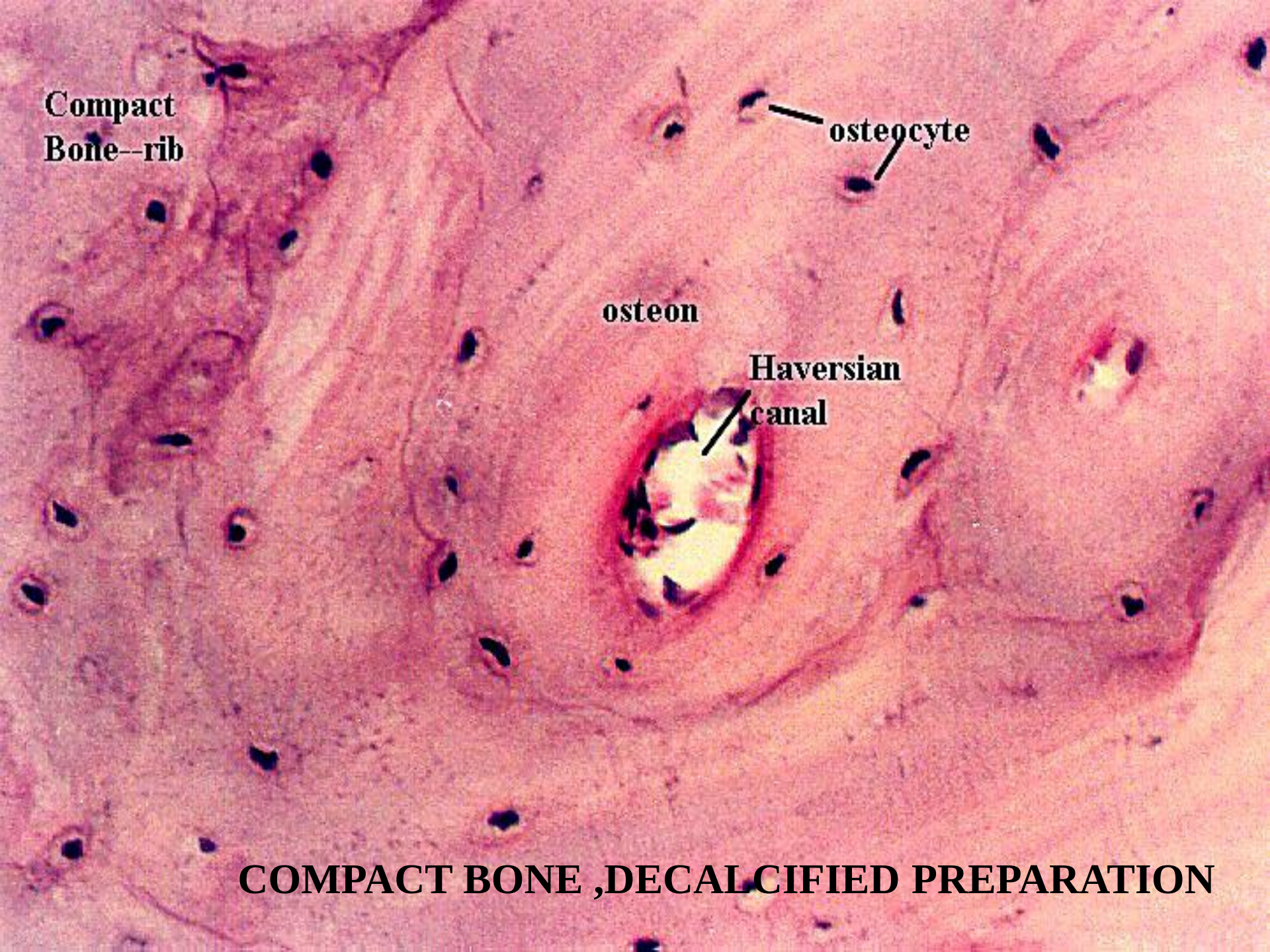
**Compact
Bone--rib**

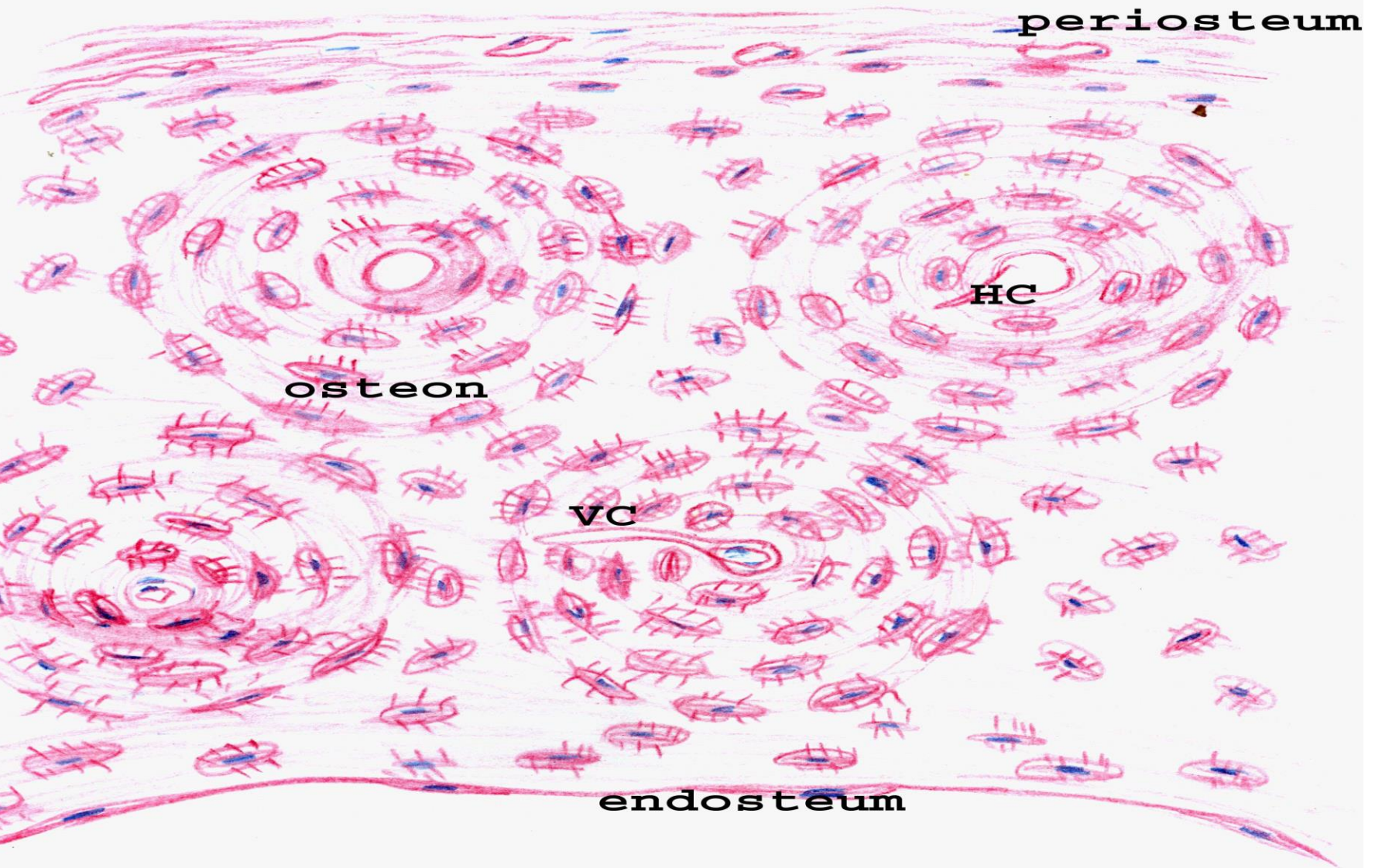
osteocyte

osteon

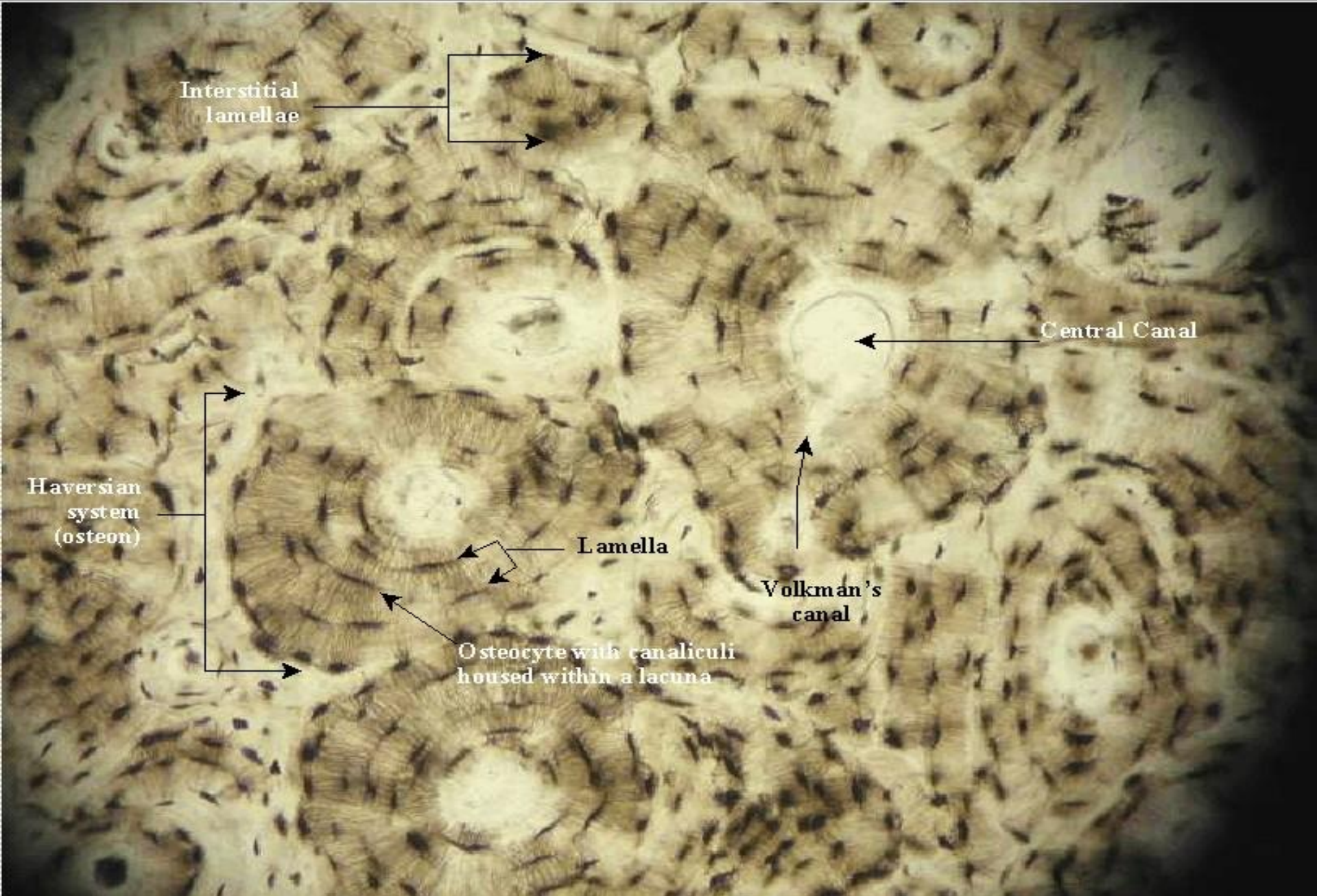
**Haversian
canal**

COMPACT BONE ,DECALCIFIED PREPARATION





**COMPACT BONE
,DECALCIFIED
PREPARATION**

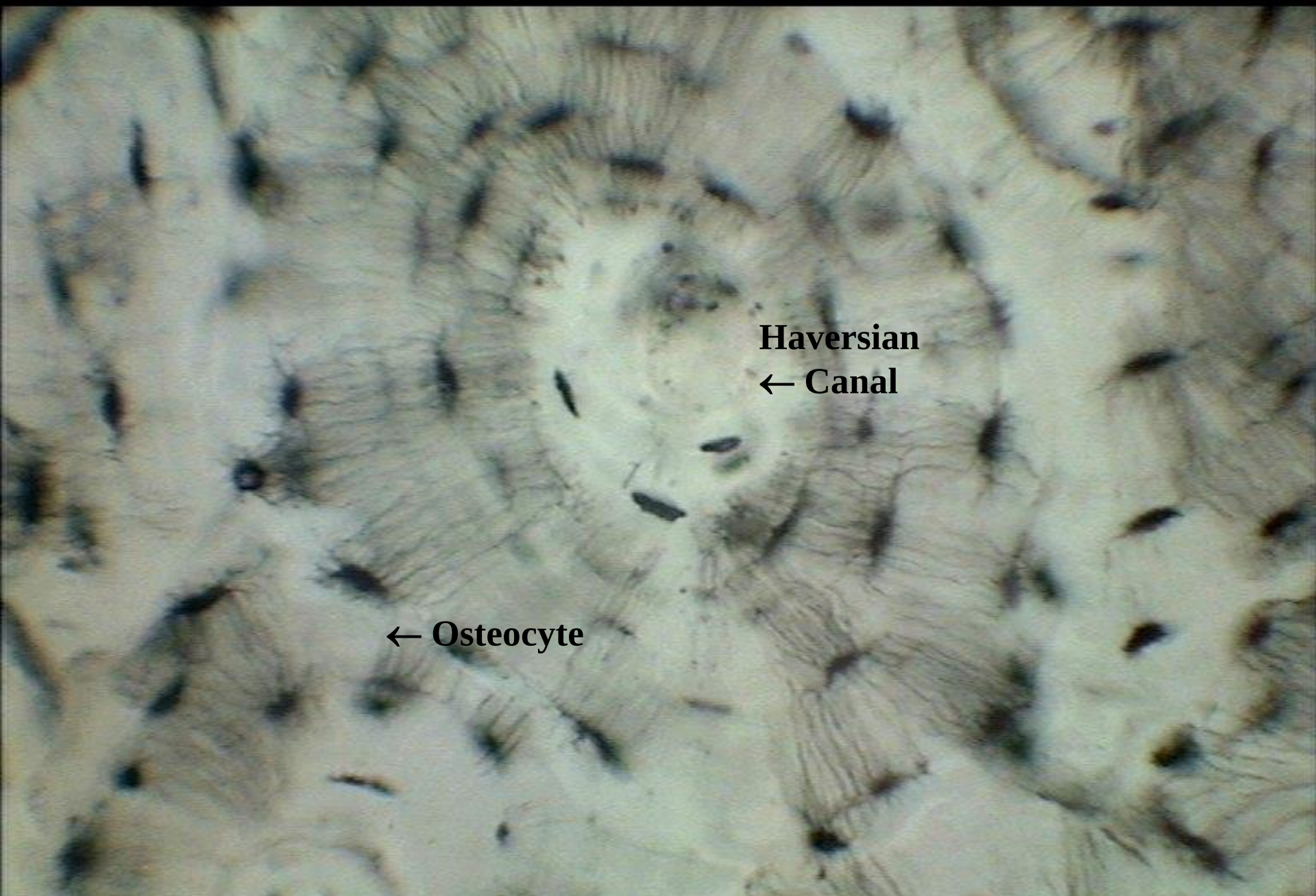


COMPACT BONE, GROUND PREPARATION

**COMPACT
BONE,
GROUND
PREPARATION**



Osteocyte and their processes



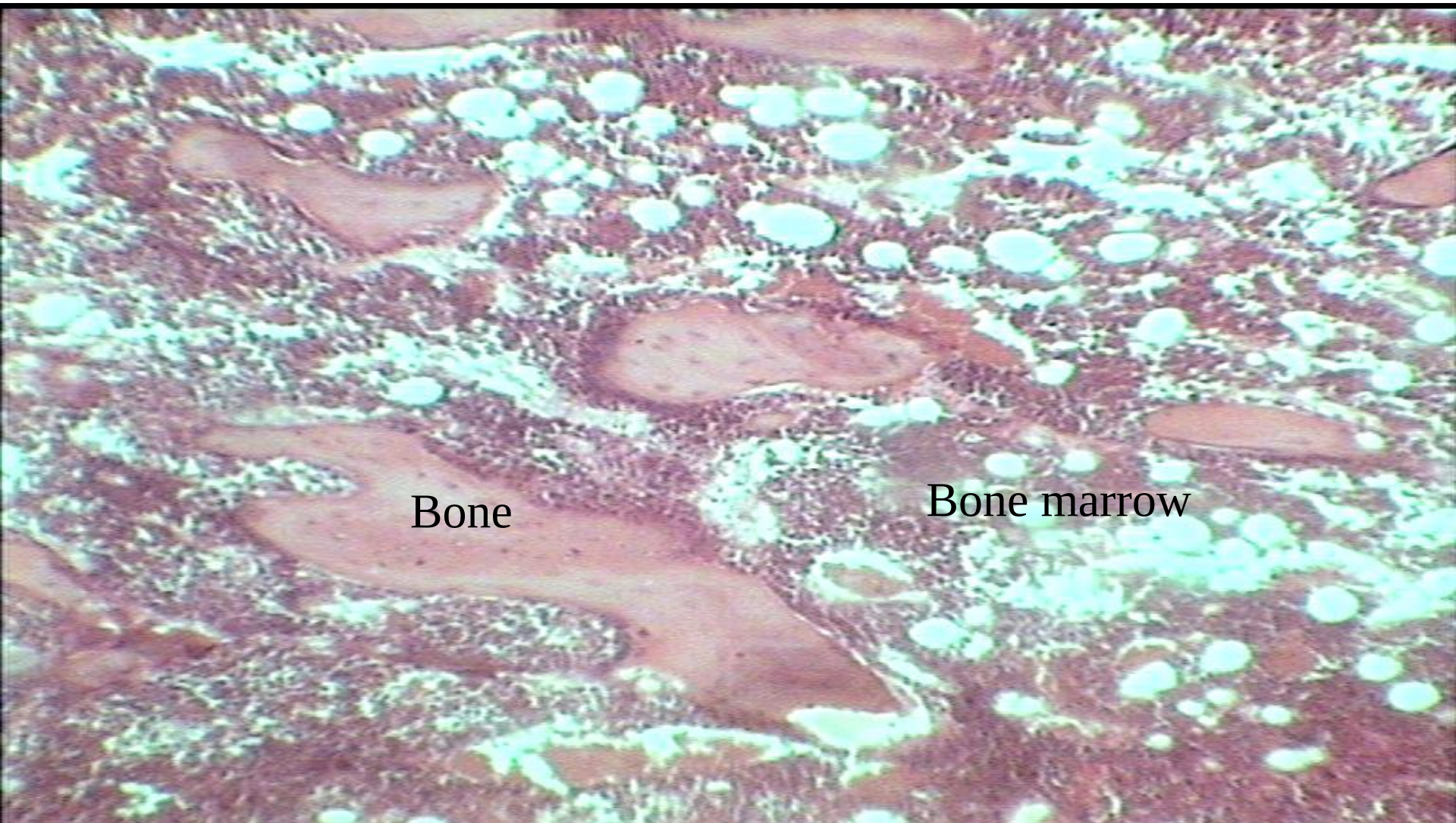
Haversian

← Canal

← Osteocyte

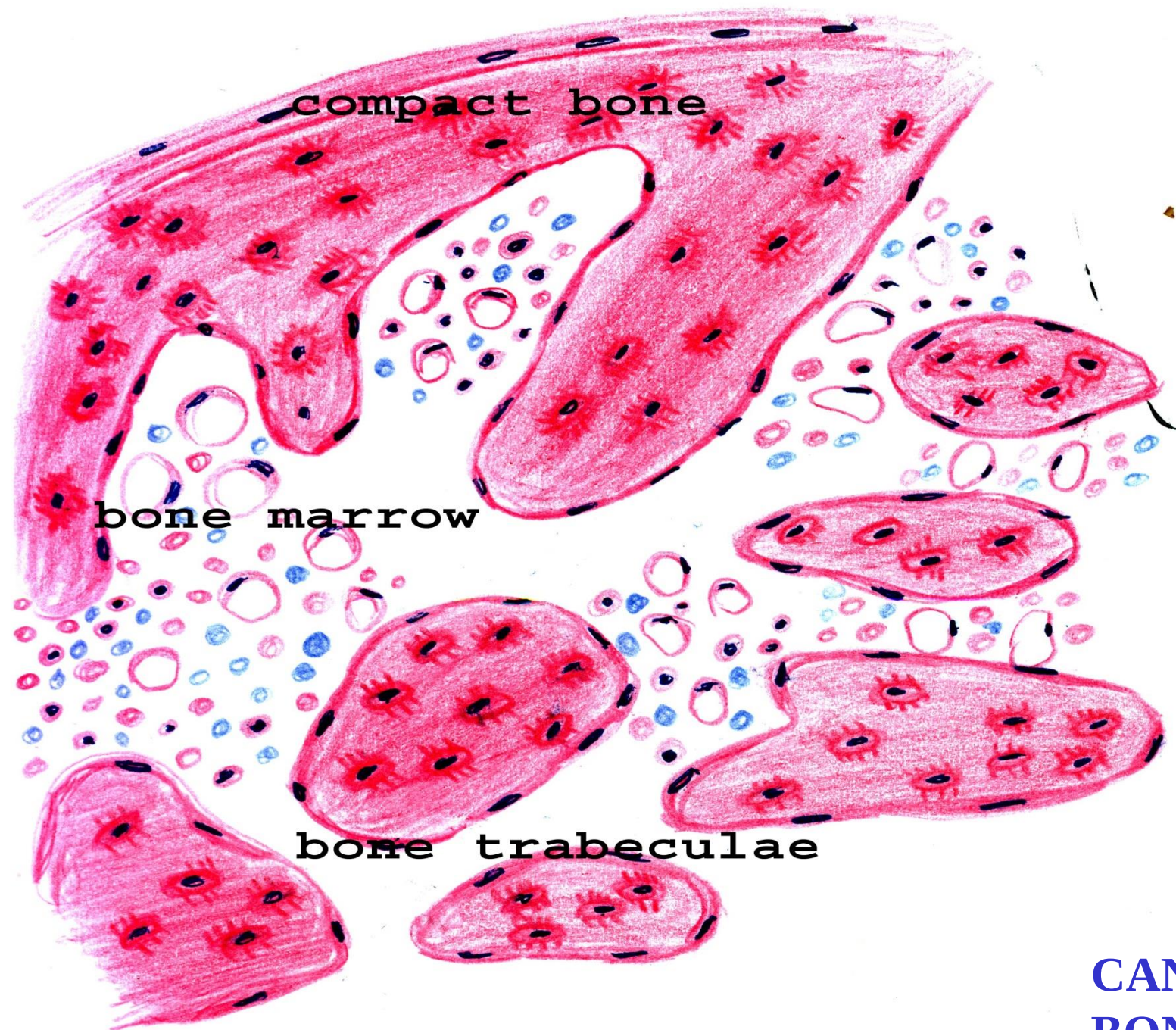
COMPACT BONE, GROUND PREPARATION

CANCELLOUS BONE



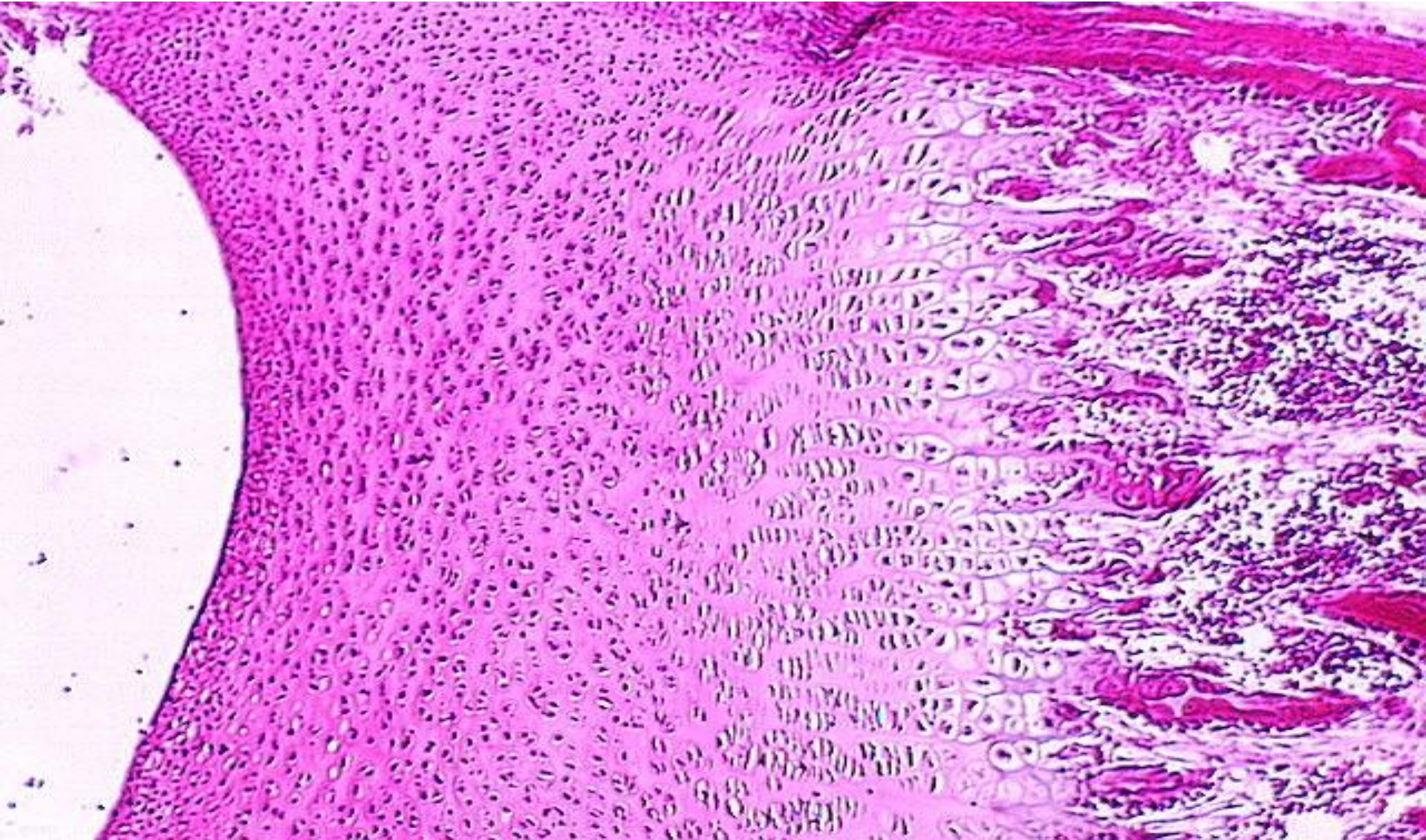
CANCELLOUS BONE

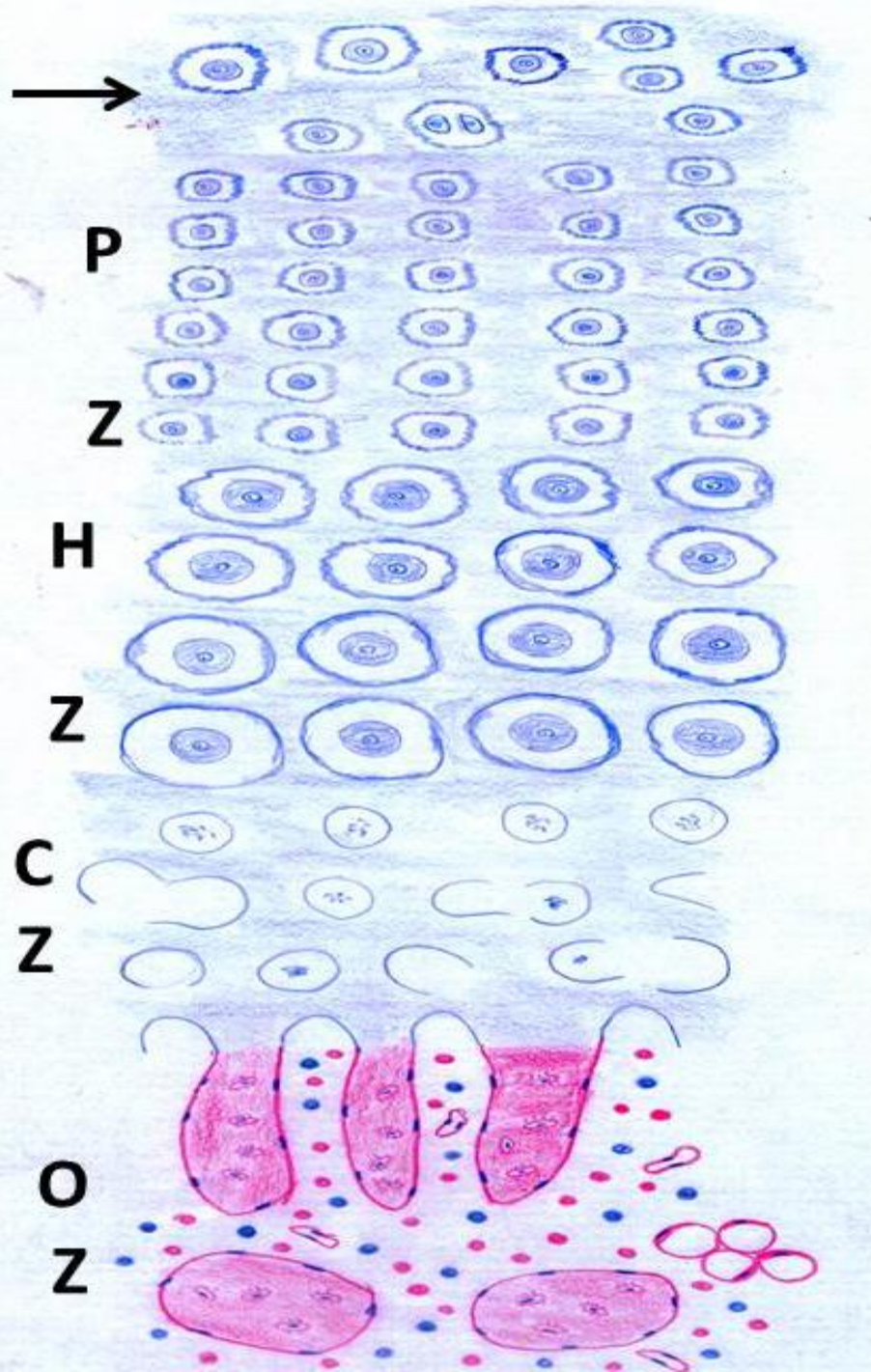




**CANCELLOUS
BONE**

INTRACARTILAGENOUS OSSIFICATION(GROWING END)





Growing end (endochondral ossification)

stages of ossification.

1-resting cartilage (arrow).

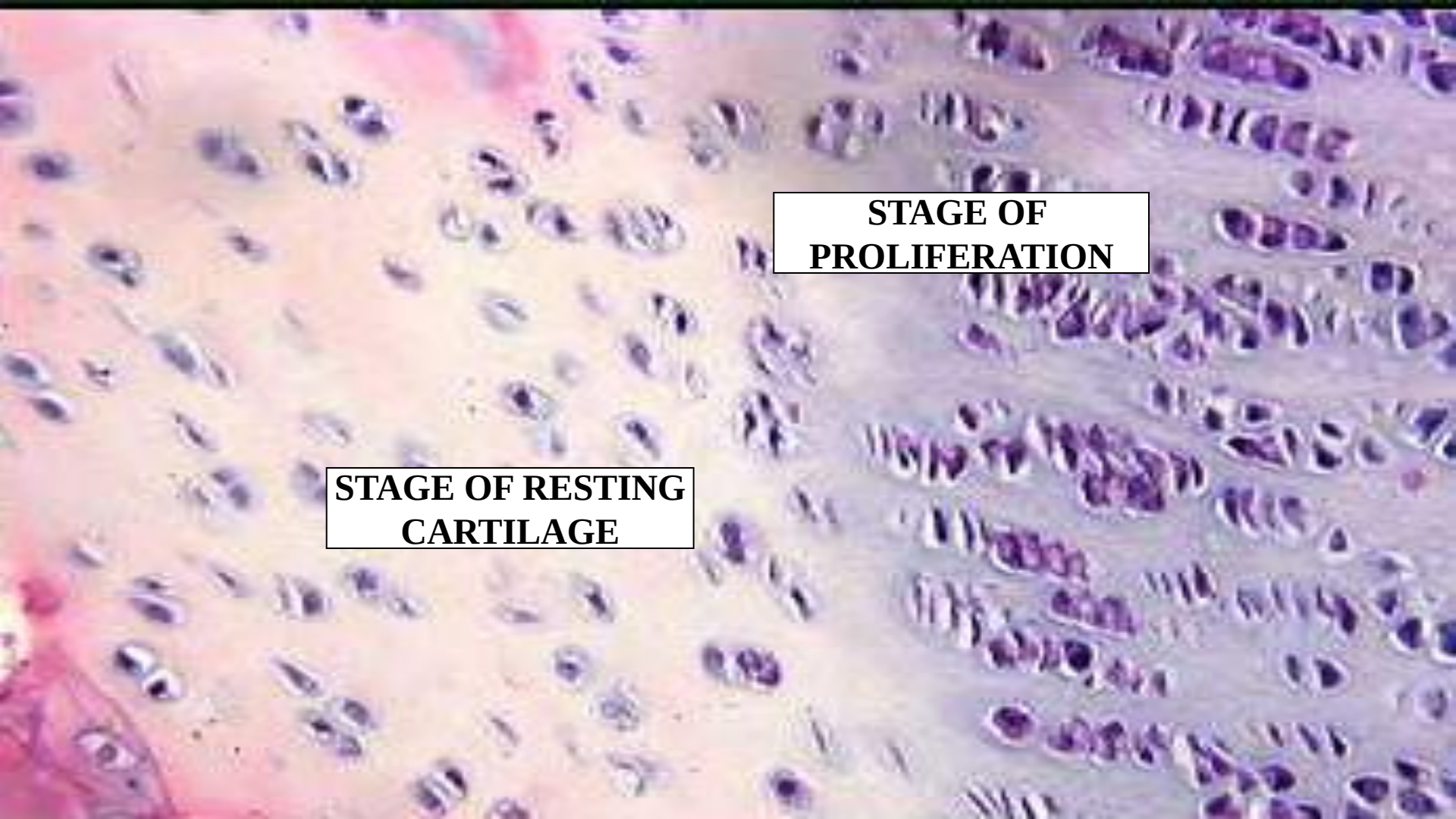
2-proliferation zone (PZ).

3-Zone of hypertrophy (HZ).

4-Zone of calcification (CZ).

5-Zone of ossification (OZ)

INTRACARTILAGEOUS OSSIFICATION(GROWING END)



**STAGE OF
PROLIFERATION**

**STAGE OF RESTING
CARTILAGE**

INTRACARTILAGENOUS OSSIFICATION(GROWING END)

**STAGE OF
PROLIFERATION**

**STAGE OF
HYPERTROPHY**

**STAGE OF
OSSIFICATION**

