

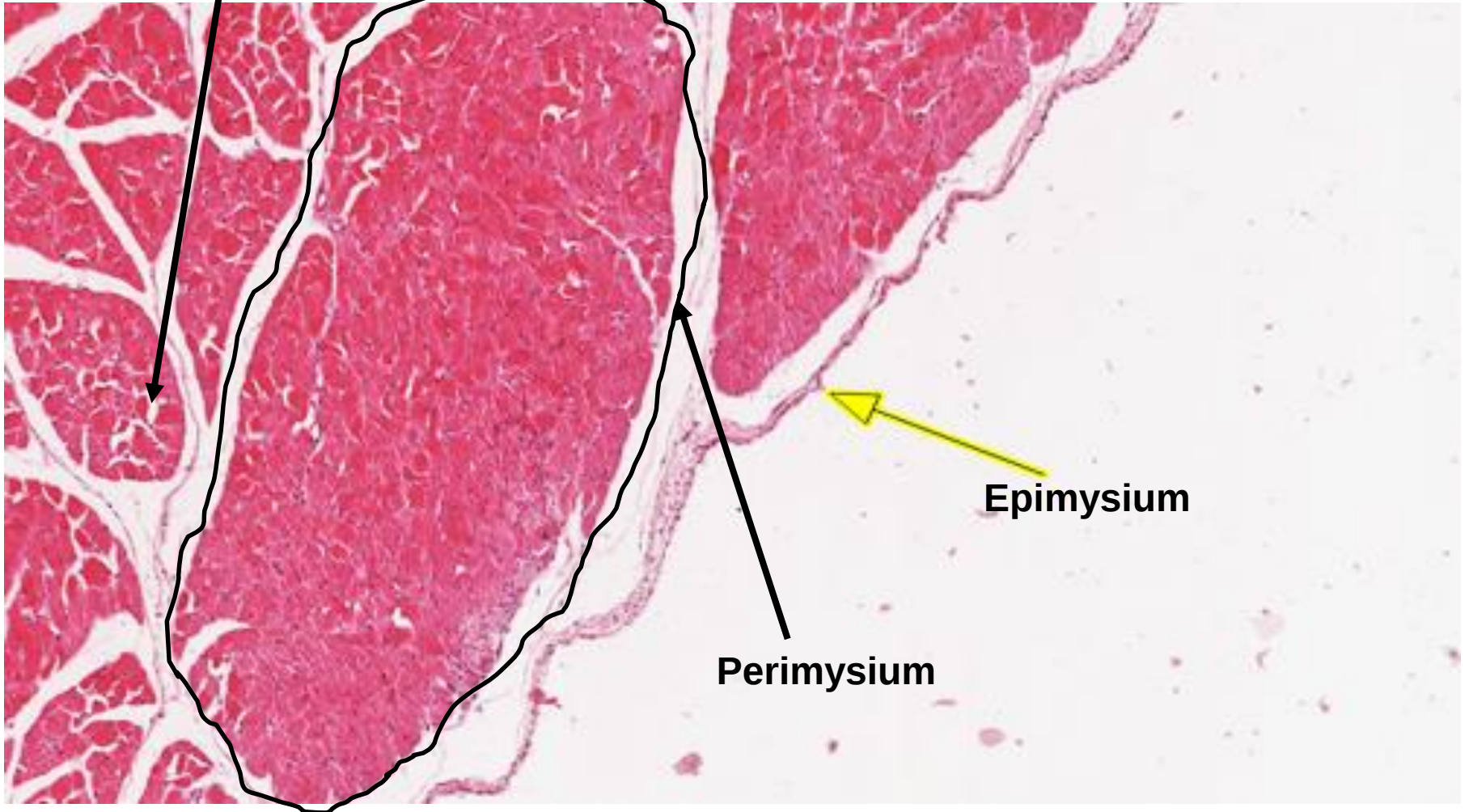
Muscle Lab

DR. Heba Elkaliny

Associate professor of Histology &
Cell biology

TS skeletal muscle

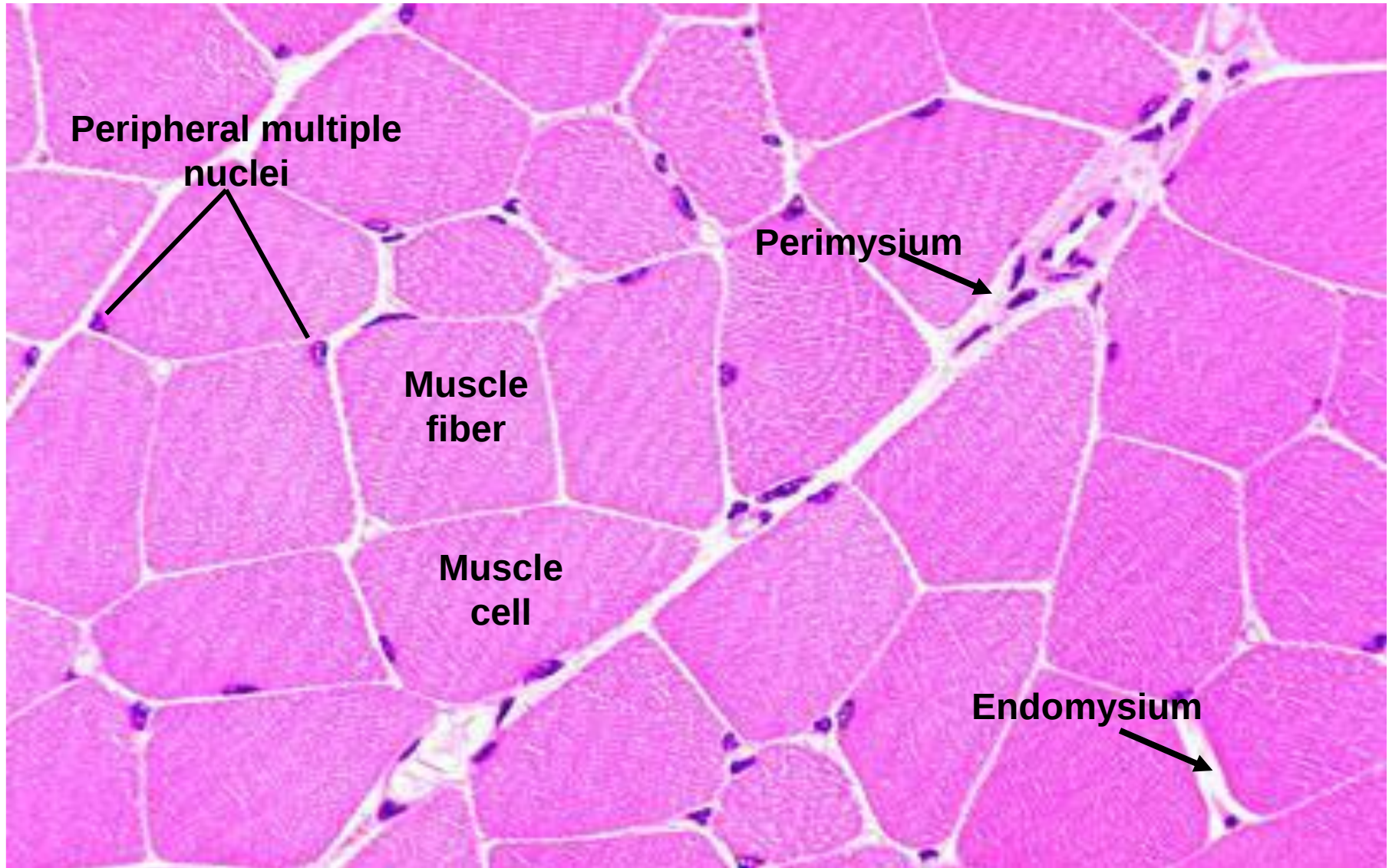
Endomysium



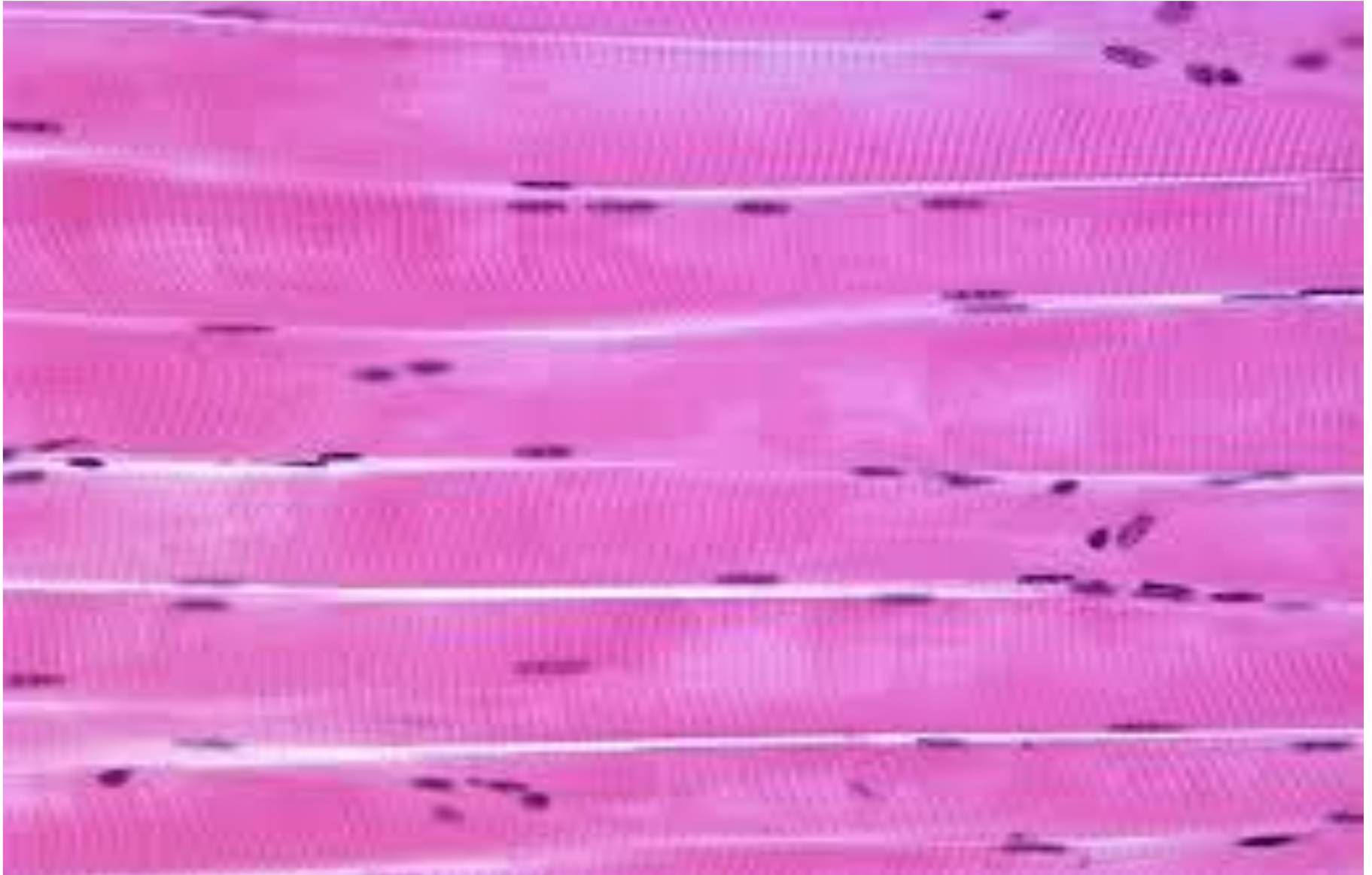
Epimysium

Perimysium

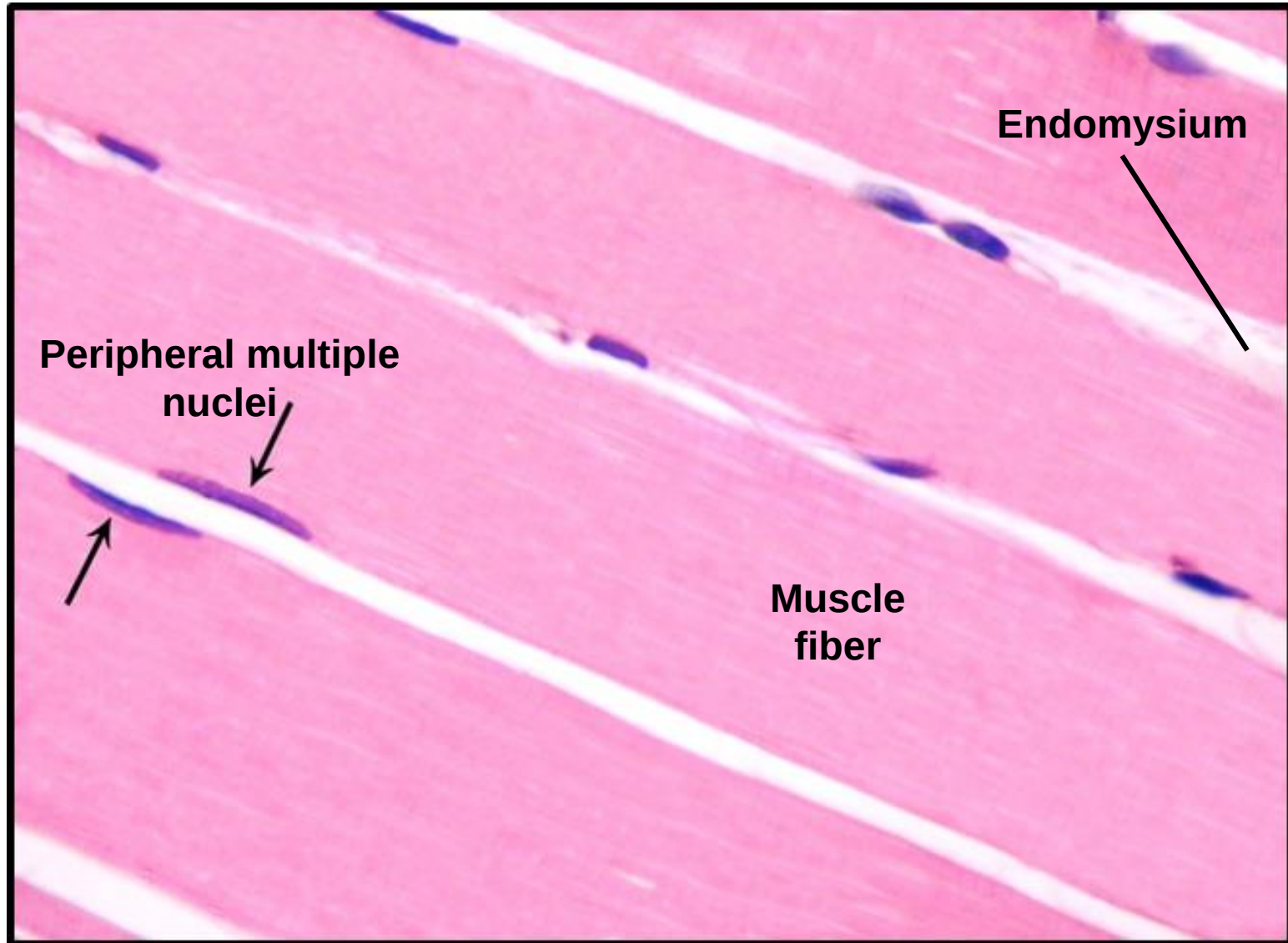
TS skeletal muscle



LS skeletal muscle

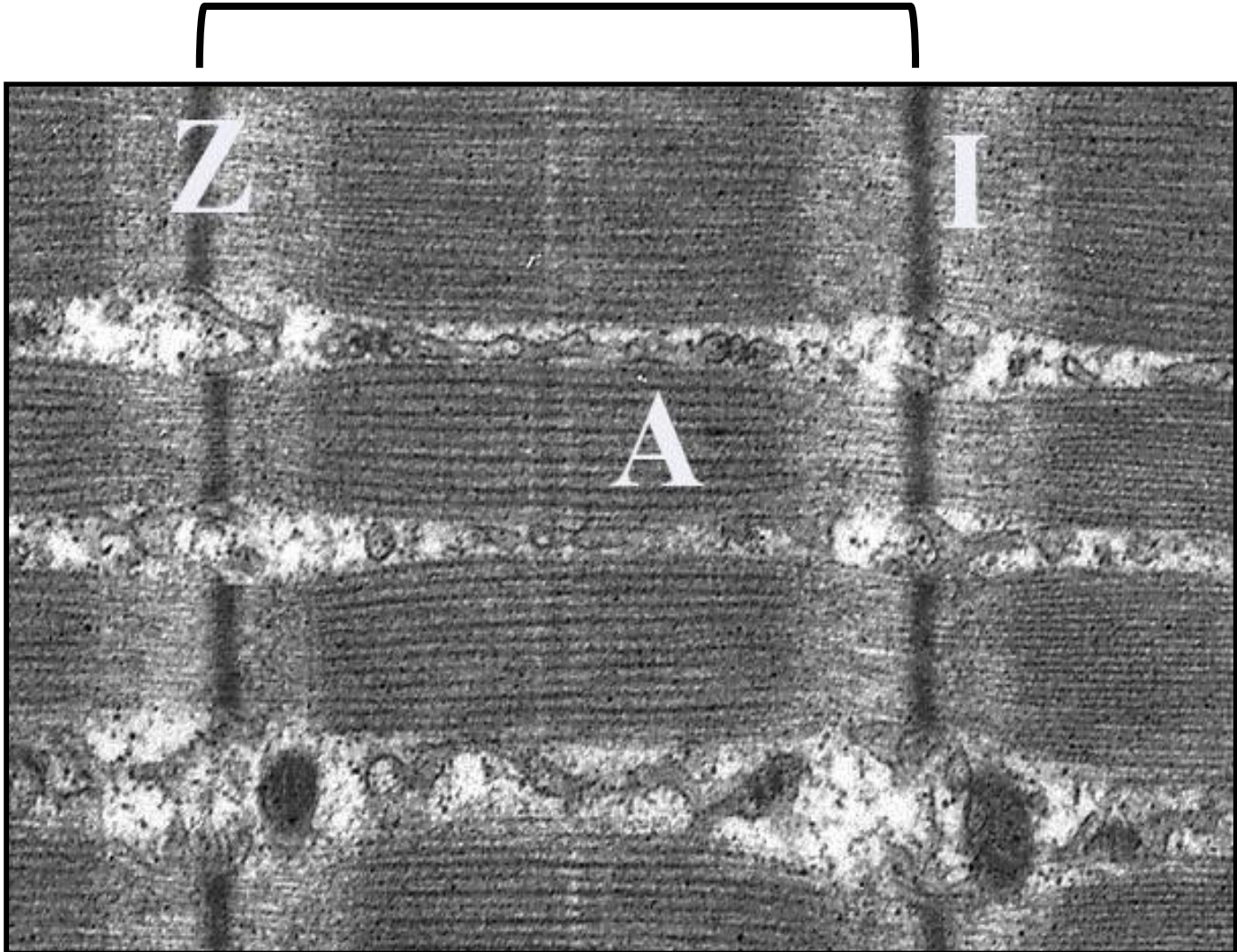


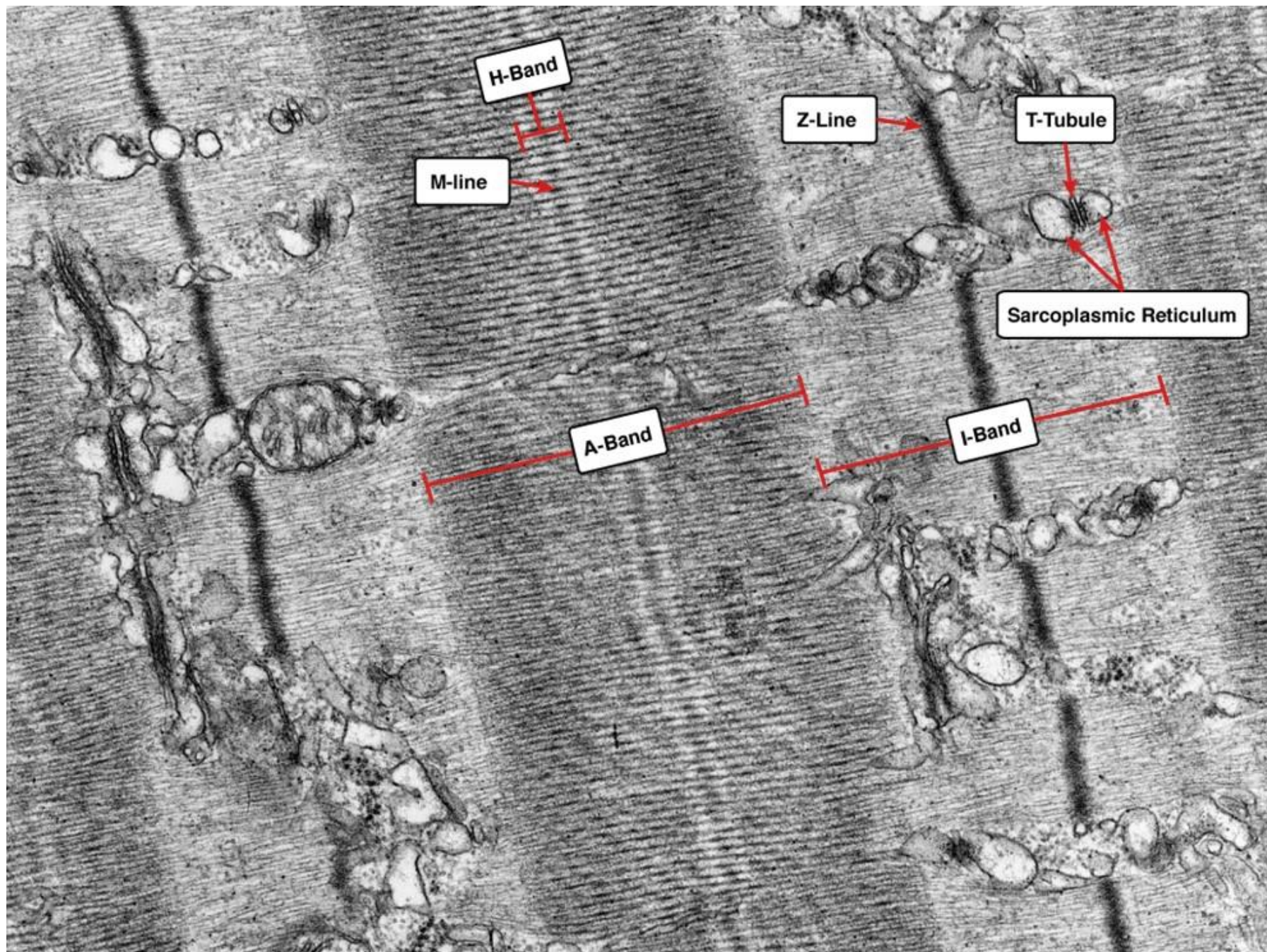
L.S skeletal muscle



EM

LS skeletal ms showing sarcomere

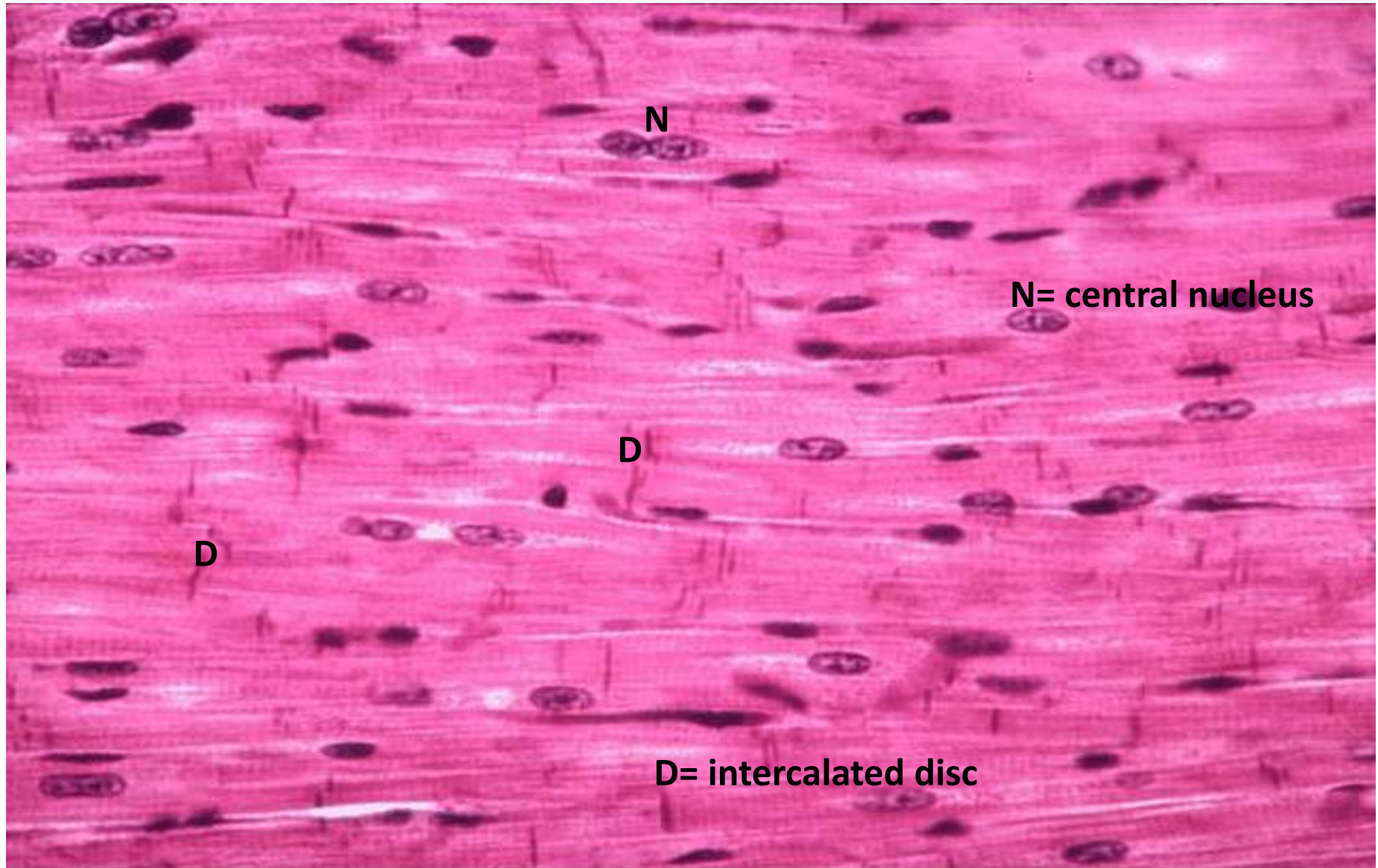




Cardiac muscle



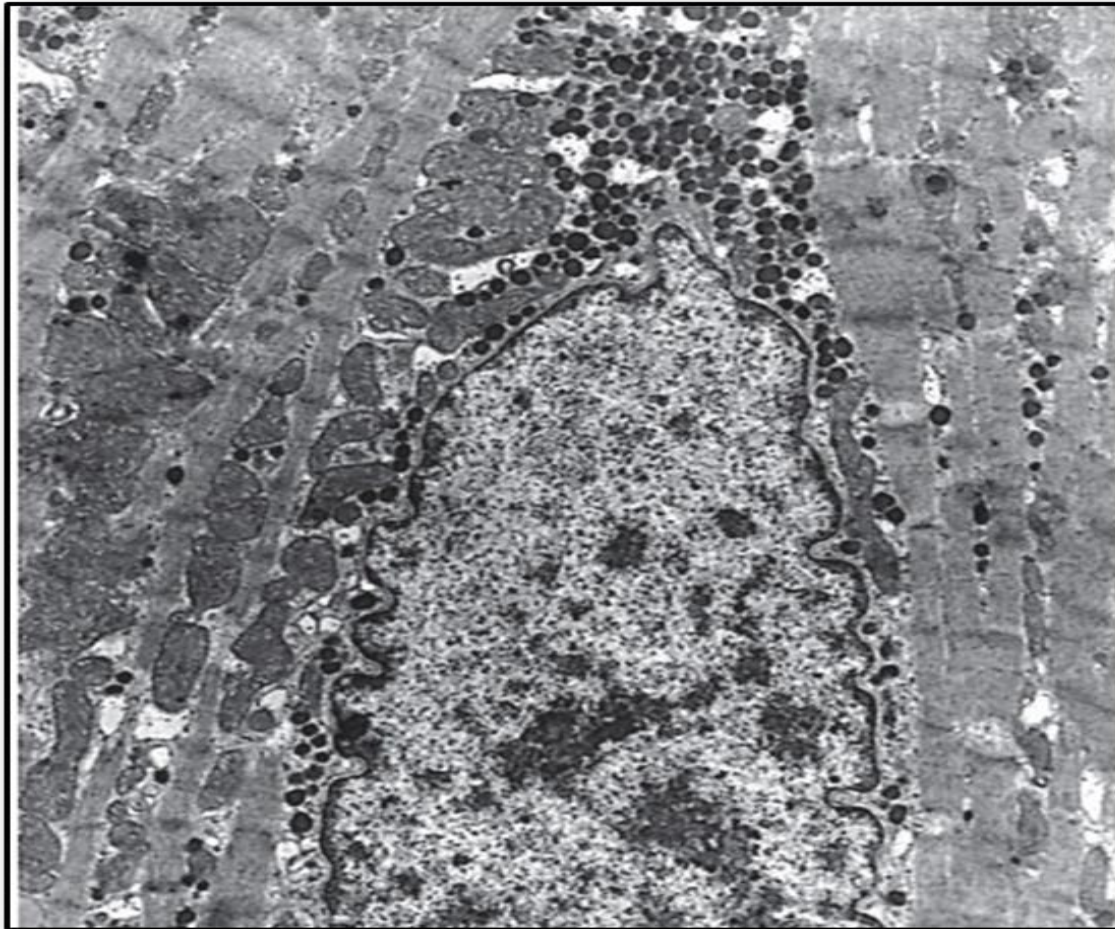
Cardiac muscle



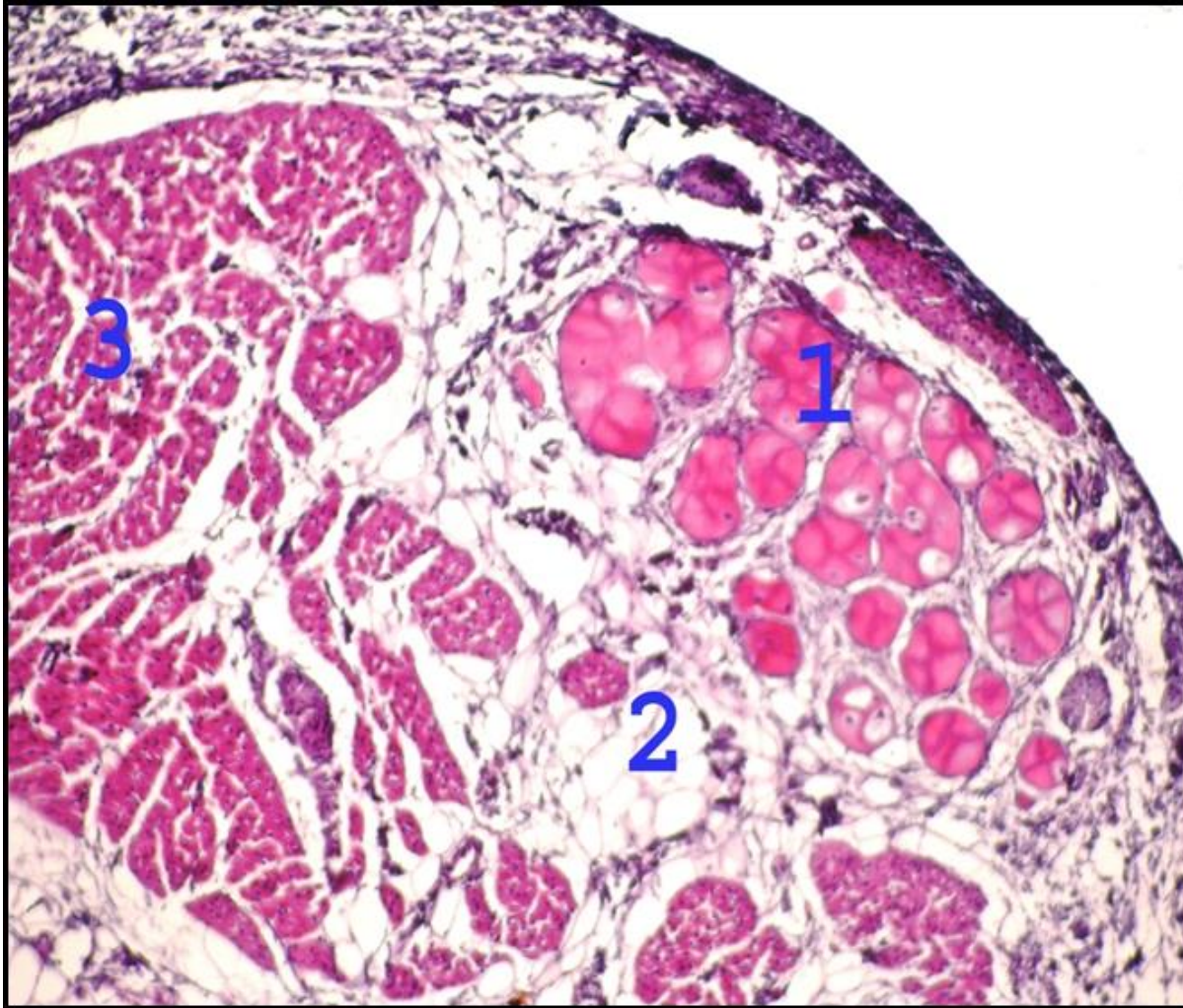
EM of cardiac muscle with intercalated disc



Cardiac muscle of the atrium contain electron dense membranous granules near the poles of the nuclei. These granules contain polypeptide diuretic hormones as **atrial natriuretic factor (ANF)**.



Moderator band

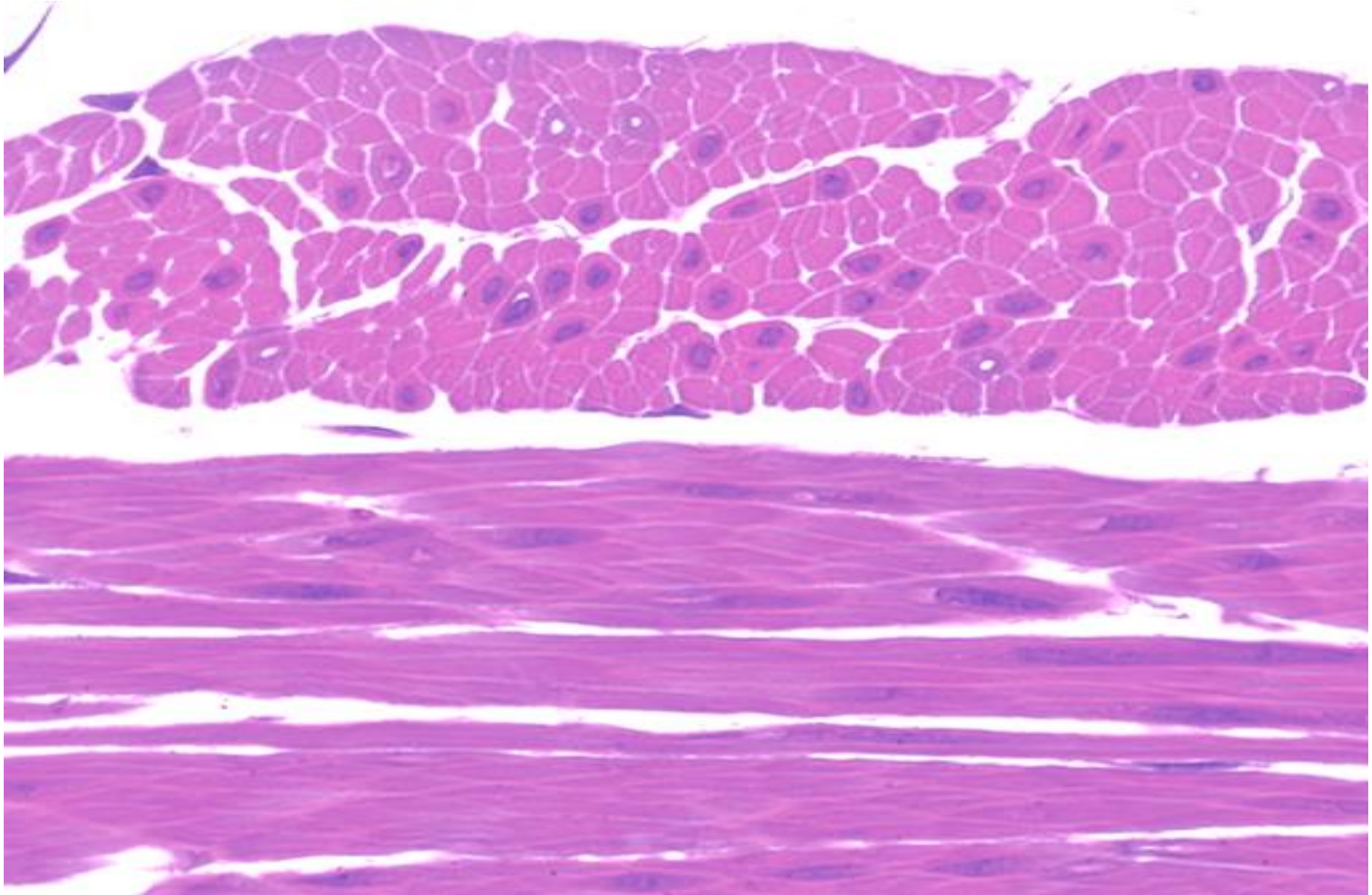


1= purkinje cells

2= C.t

**3= Ordinary cardiac
muscle cells**

Smooth Muscles



Thank you

