

# Histology Practical notes on Histology of Muscles

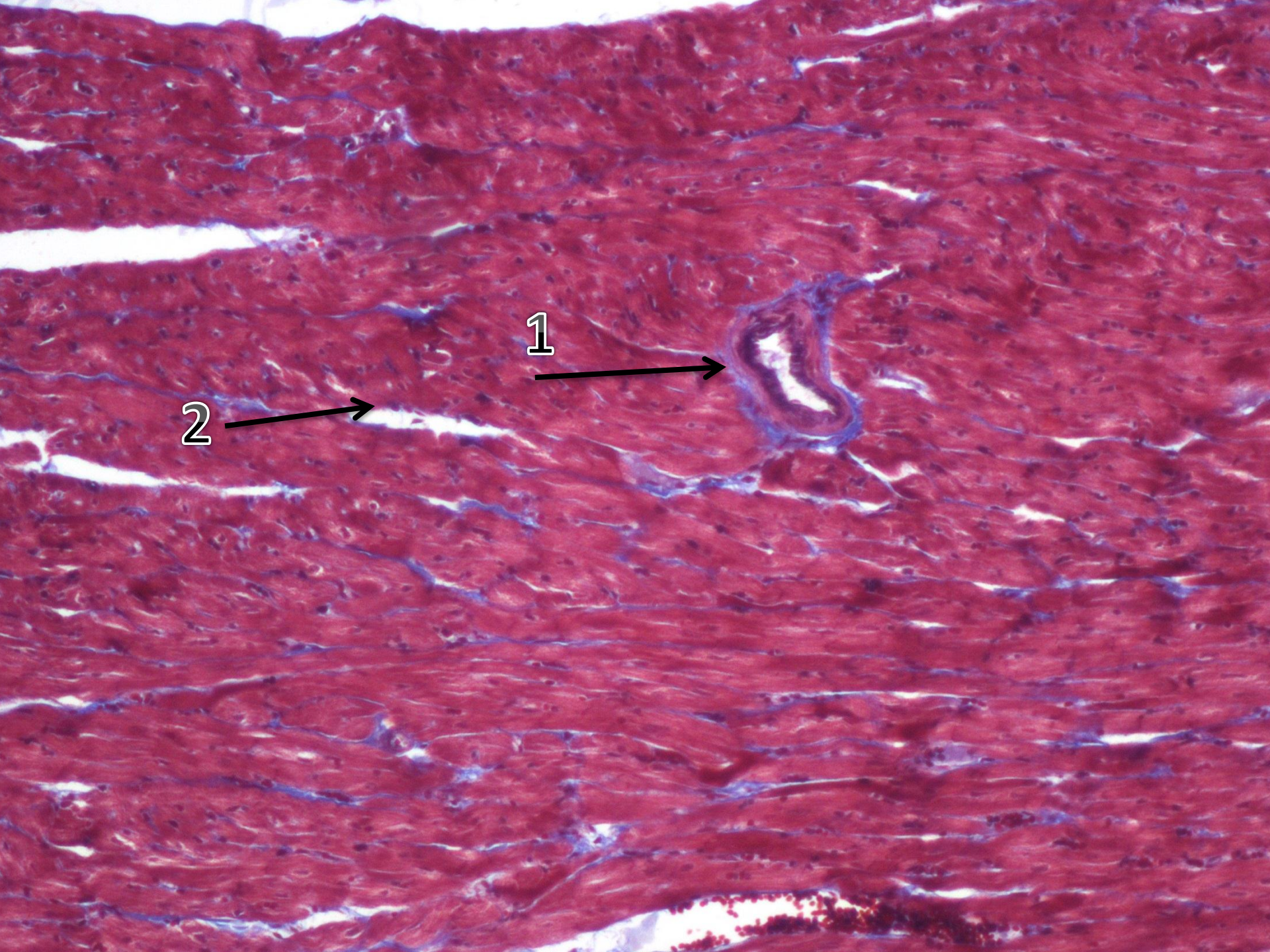
## Musculoskeleton Block

Done by : Histology Team

\*These notes are approved by Dr. Raesa

There are 3 types of muscles (Muscle fibers):

1. Skeletal
2. Cardiac
3. Smooth



1

2

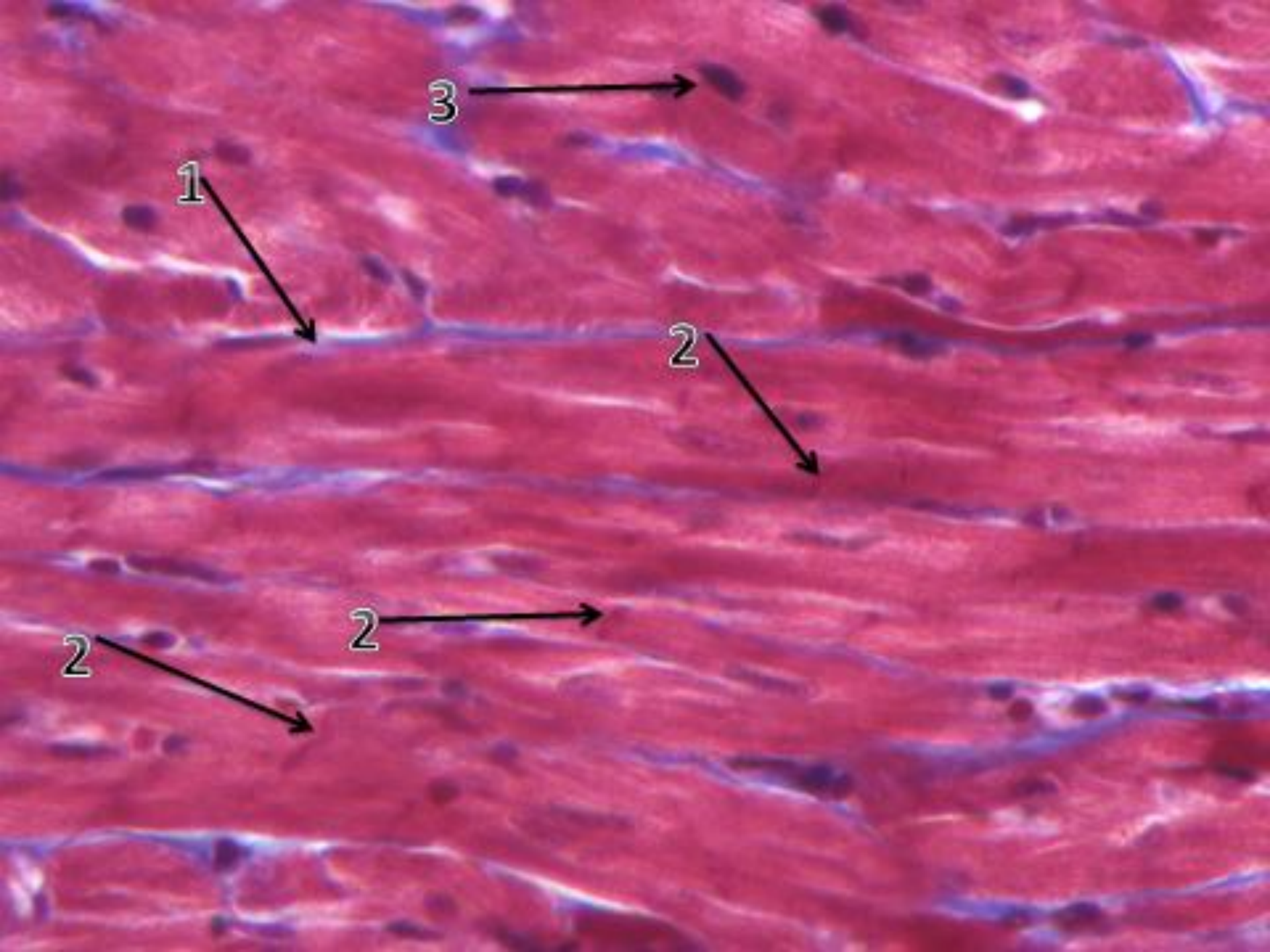
# Cardiac Muscle

- 1- Blood vessel
- 2- connective tissue (Endomysium)

## **Sites:**

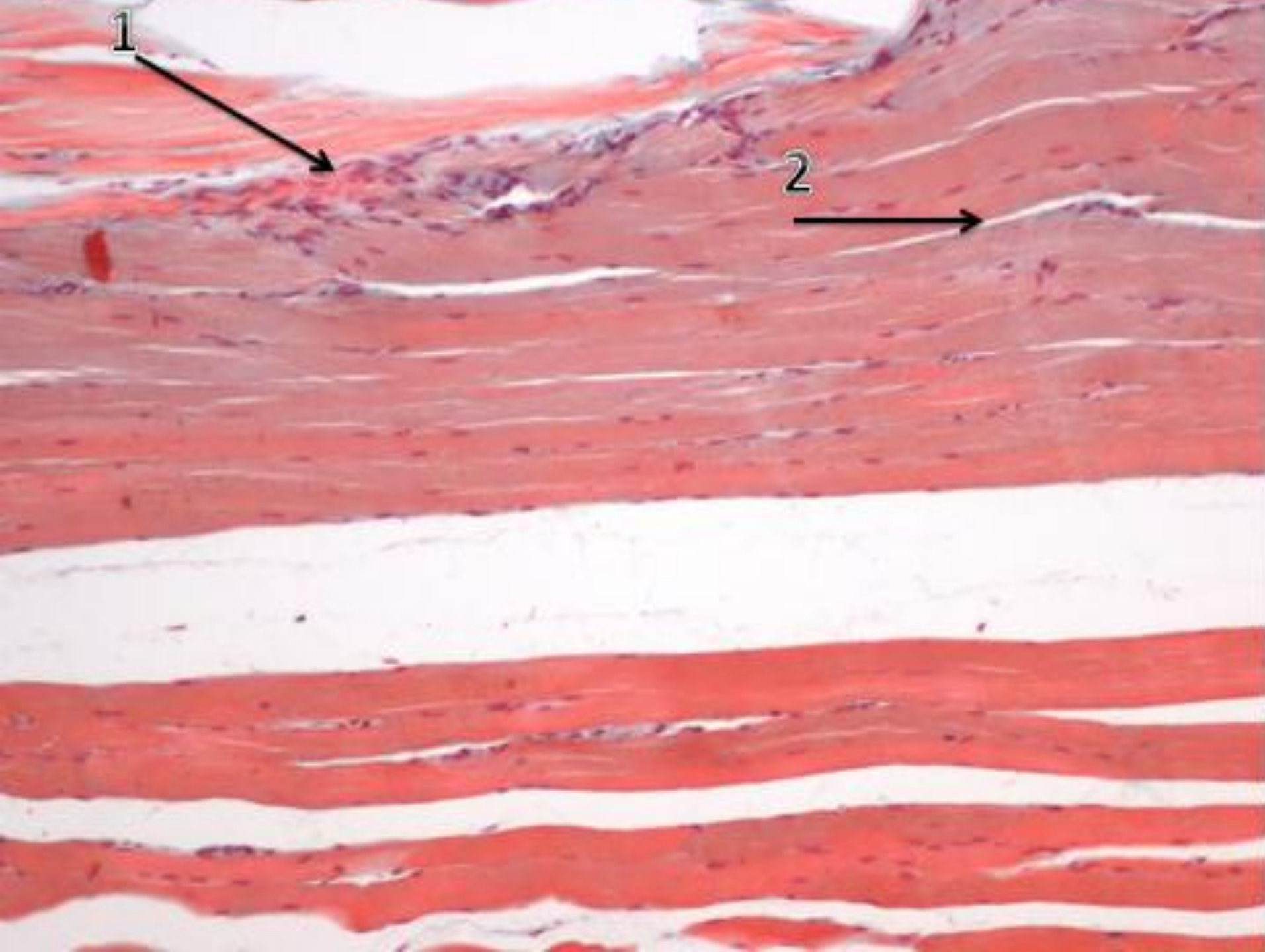
myocardium





## Cardiac Muscle (With higher magnification)

1. Connective Tissue (Endomysium)
2. Intercalated Discs
3. Nuclie: Central, Oval and Mononucleated

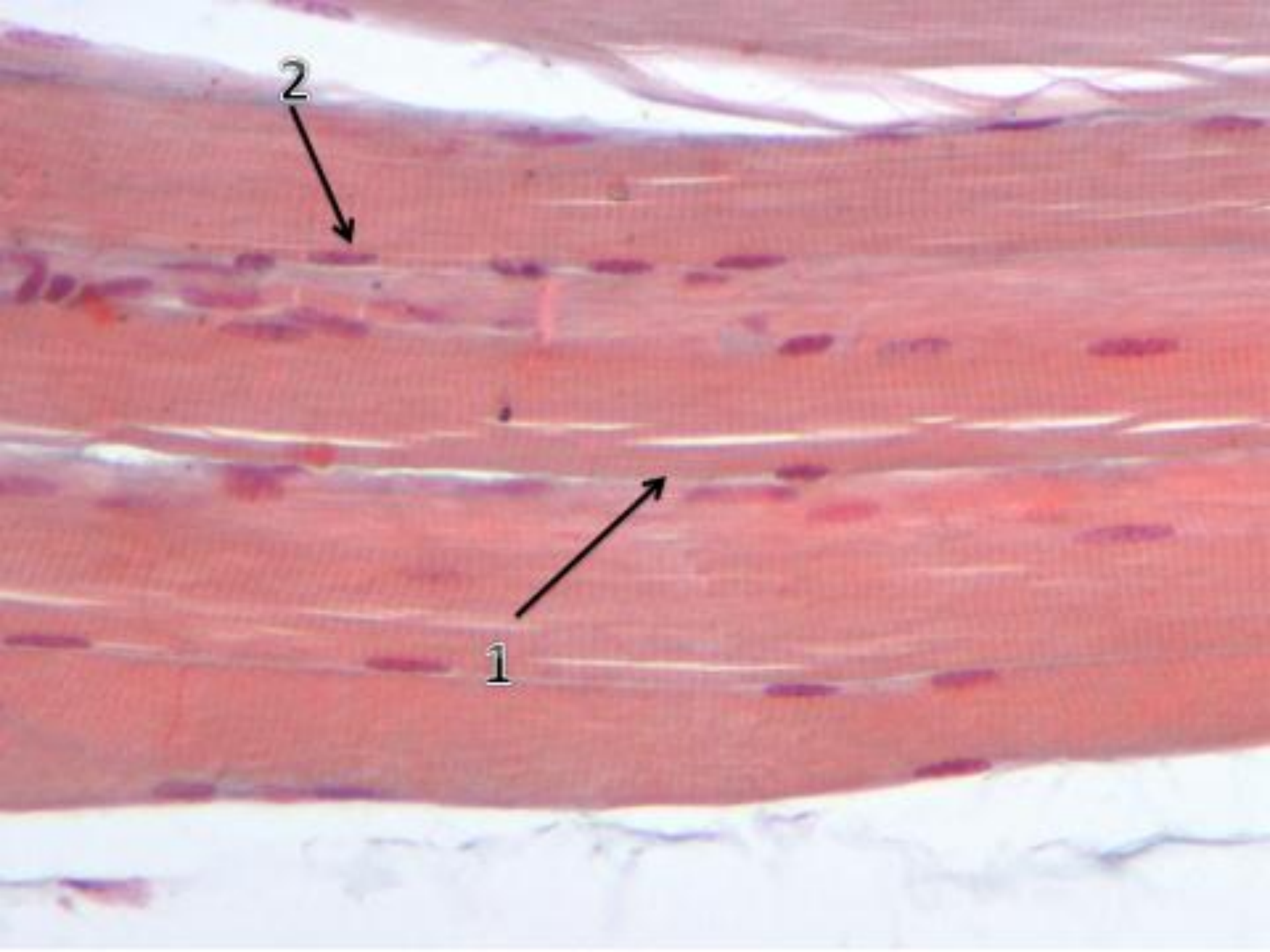


# Skeletal Muscle L

1-perimysium

2-Connective tissue (Endomysium)



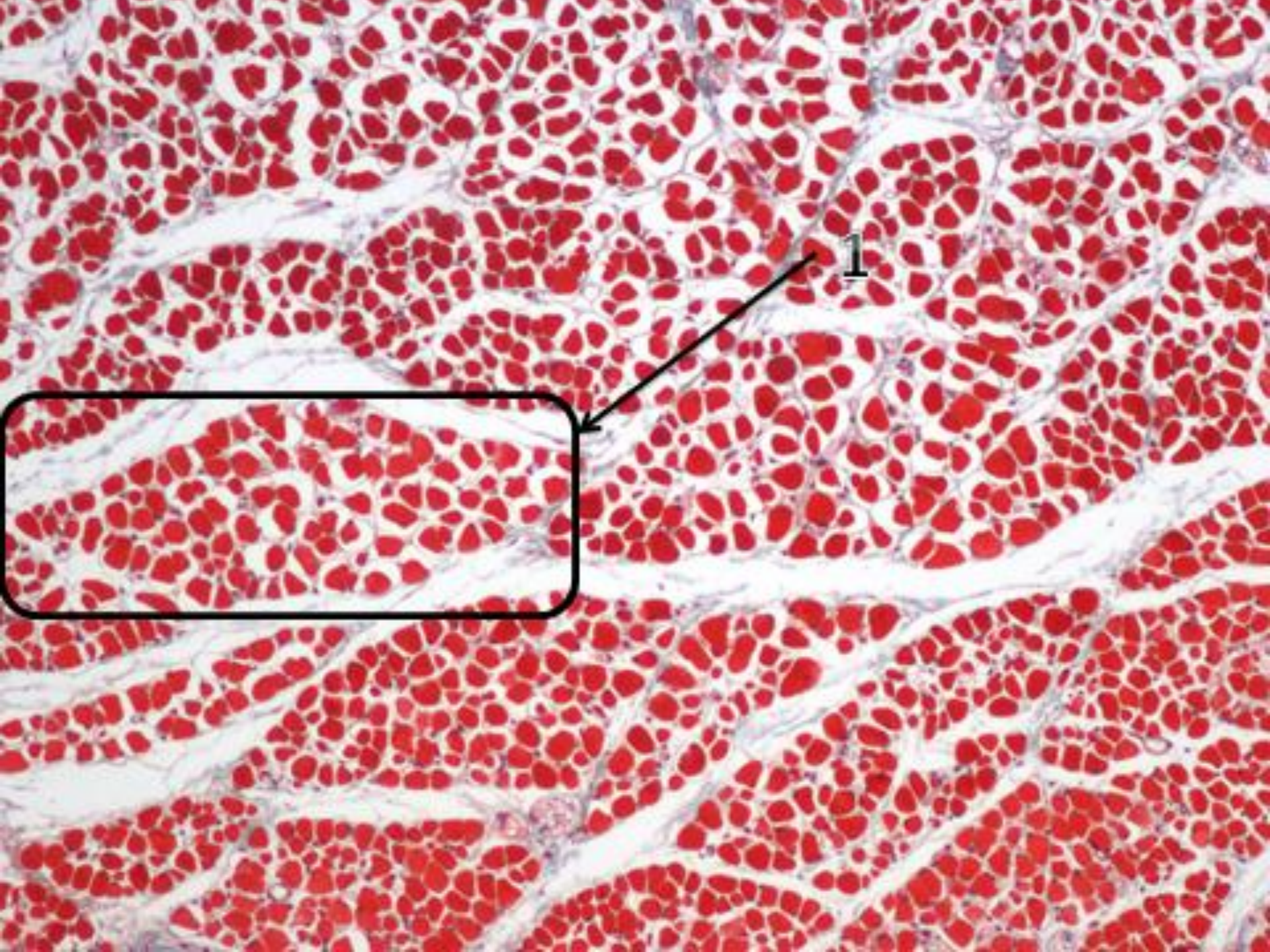


## Skeletal Muscle L ( with higher magnification)

1- connective tissue (endomysium)

2-nuclei: Multinucleated and peripherally

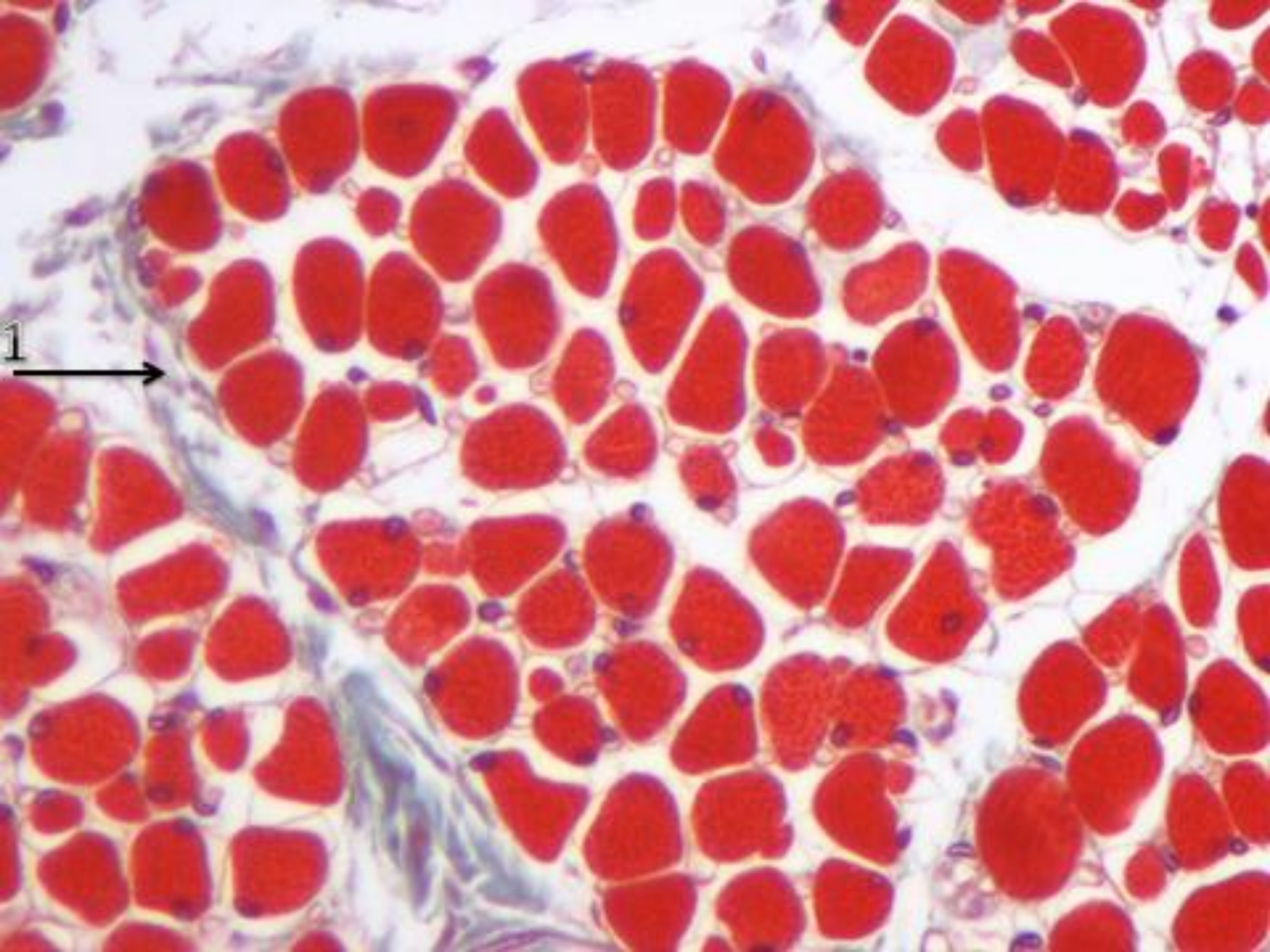




Skeletal Muscle T

1-skeletal bundle

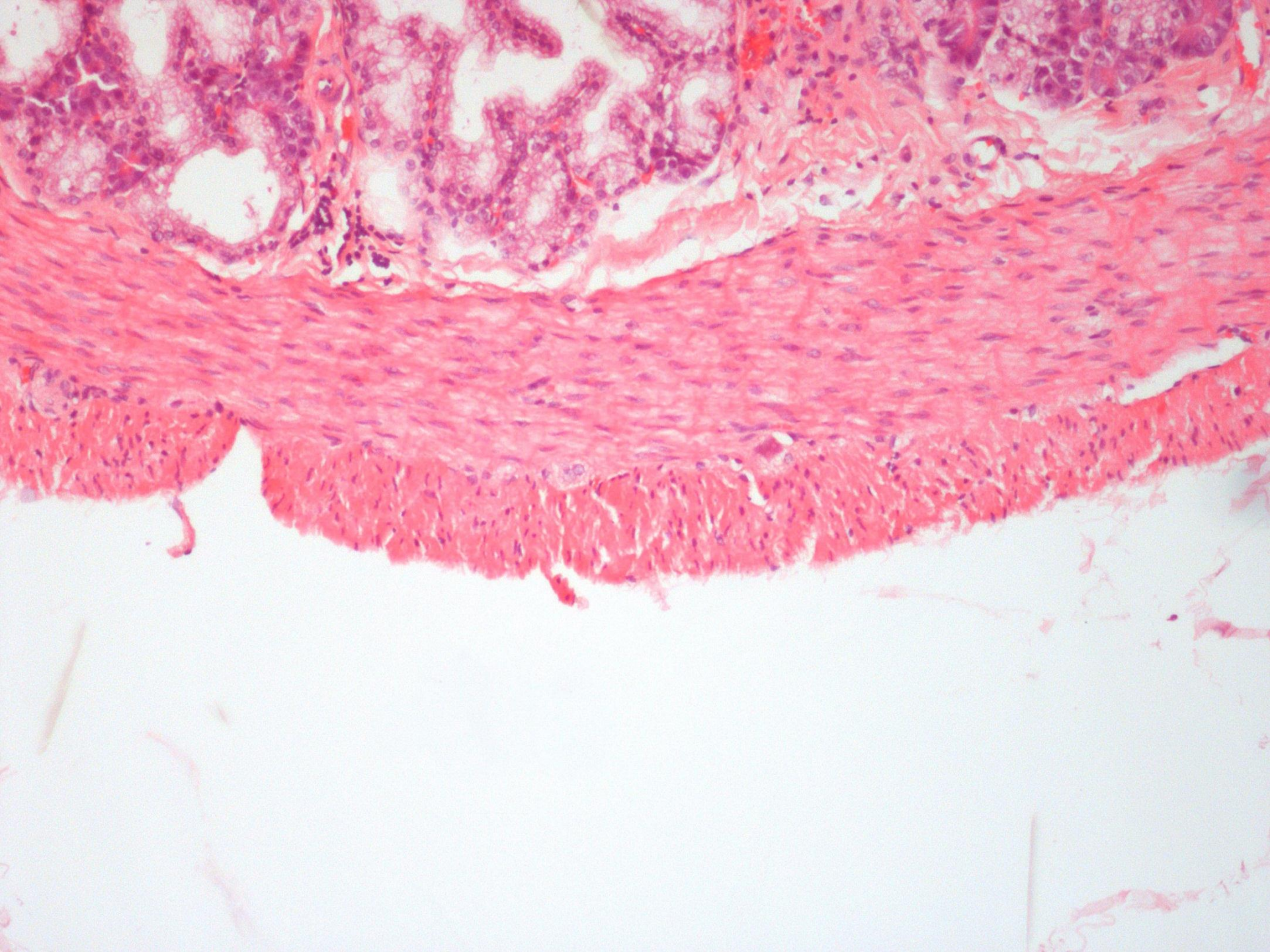




# Skeletal Muscle T ( with higher magnification)

1-perimysium





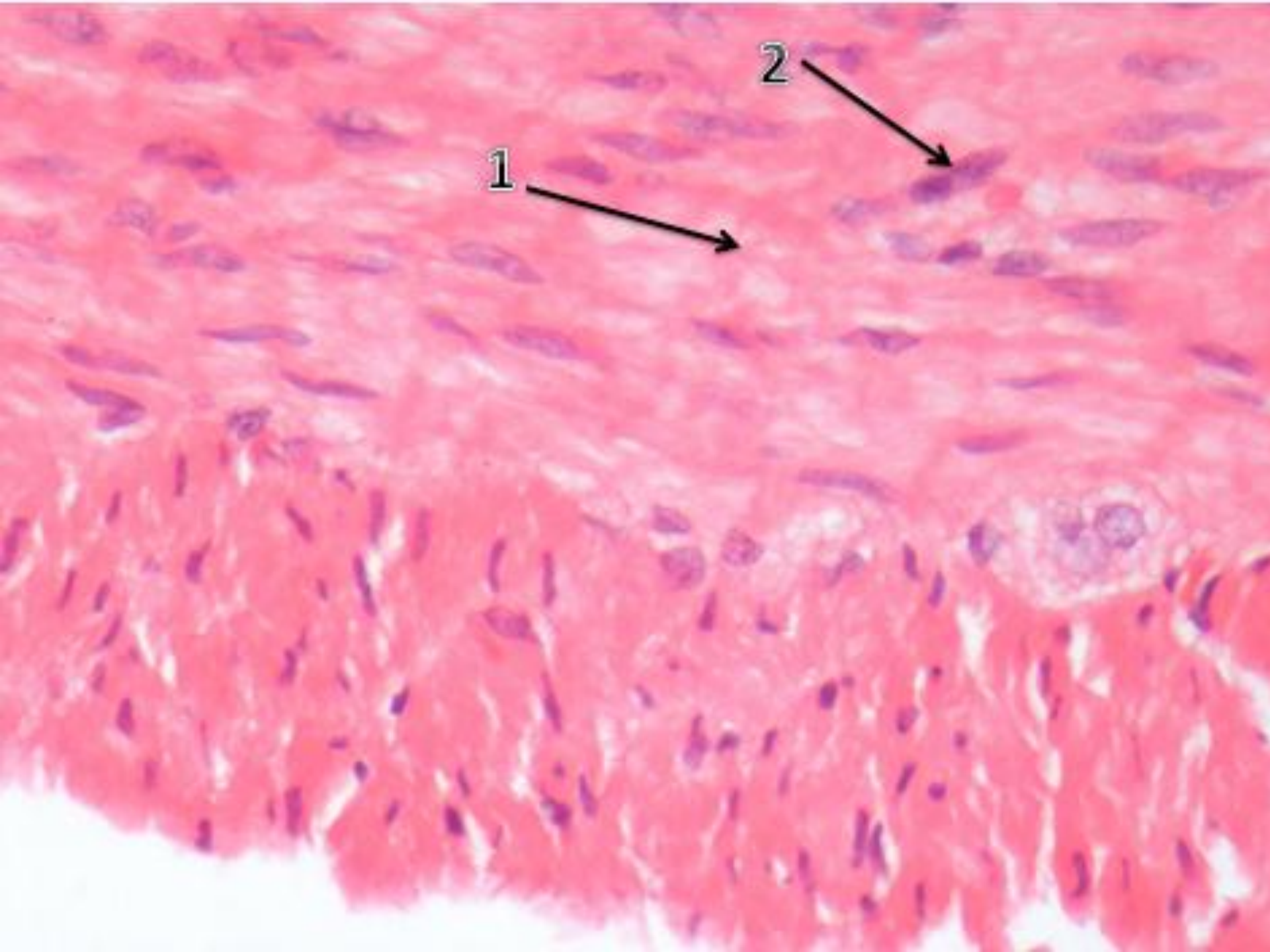
# Smooth Muscle

## **Sites:**

1- walls of blood vessels

2- viscera as in stomach and intestine





## Smooth Muscle (with higher magnification)

- 1- Fibers: Fusiform in shape (spindle-shaped)
- 2- Nuclei: Mononucleated, oval & central in position.

**approved by Dr. Raesa**

**good luck all**