

# Cardiovascular system

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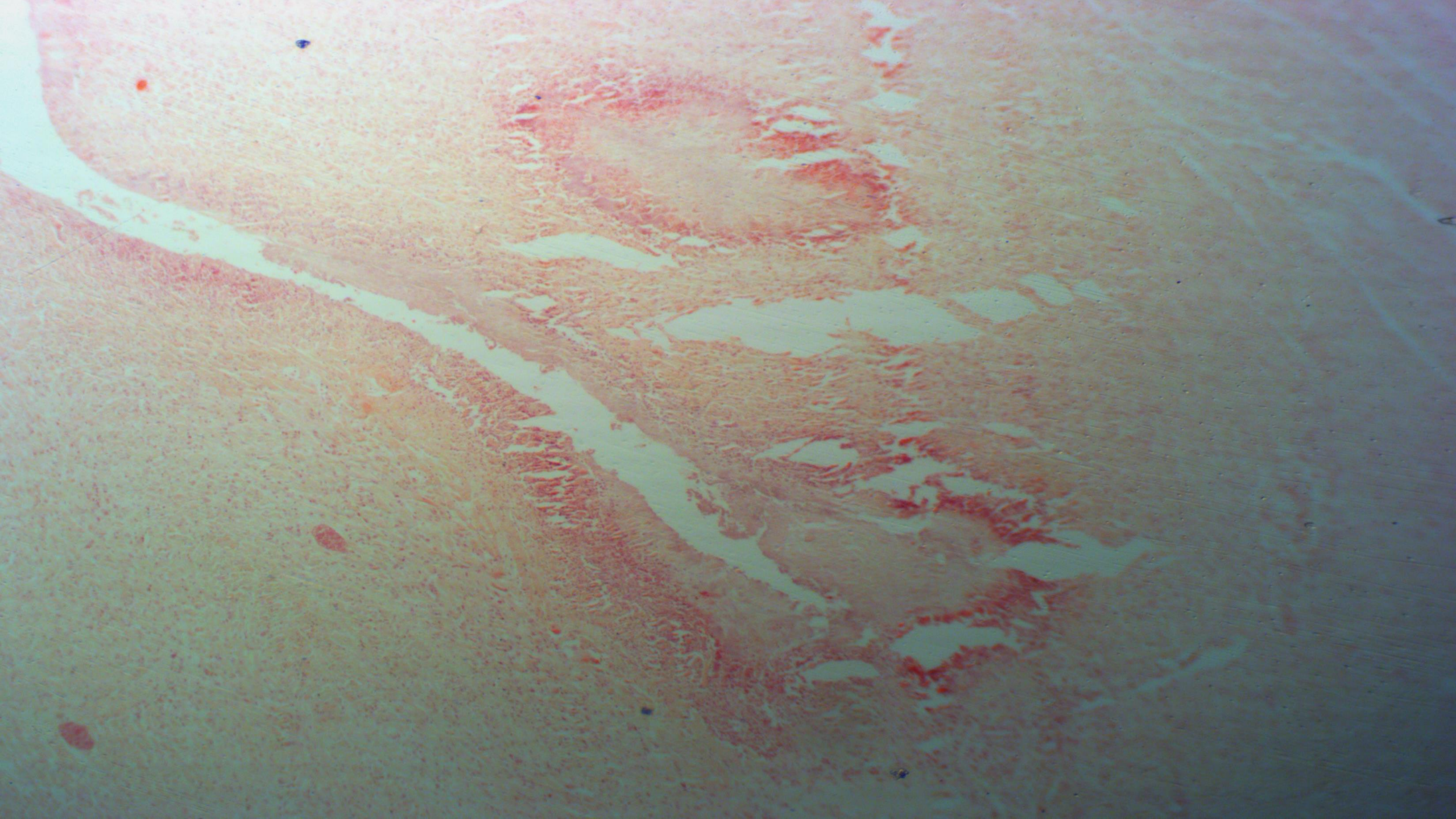


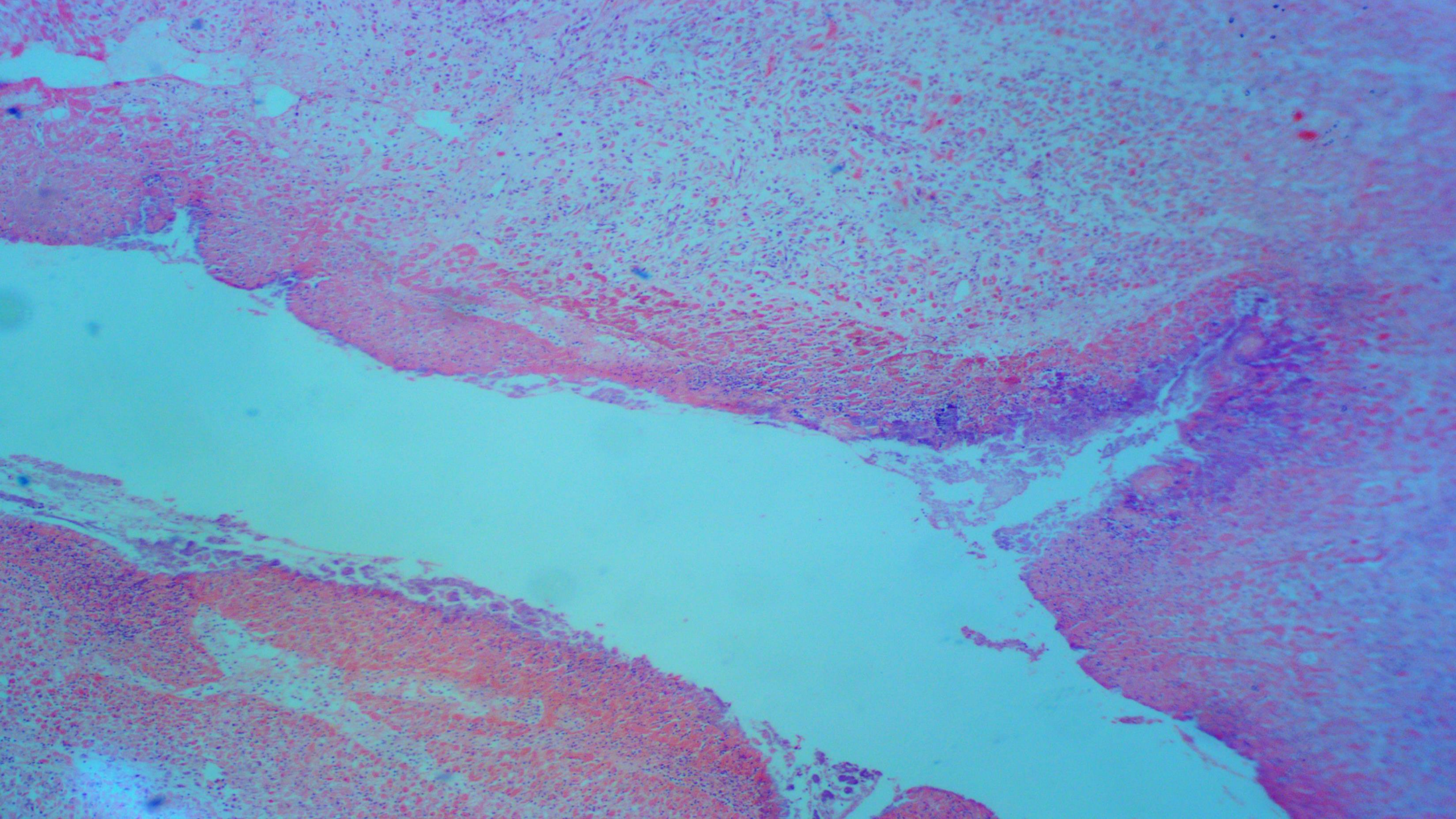
**Diagnosis: Traumatic Suppurative myocarditis**

**Organ: Heart**

**Lesion:**

1. Presence of canal represents the penetration of foreign body in the myocardium.
2. Zenker necrosis in myocardium near the canal.
3. Presence of bacterial colonies and aggregation of pus in the myocardium near the canal.



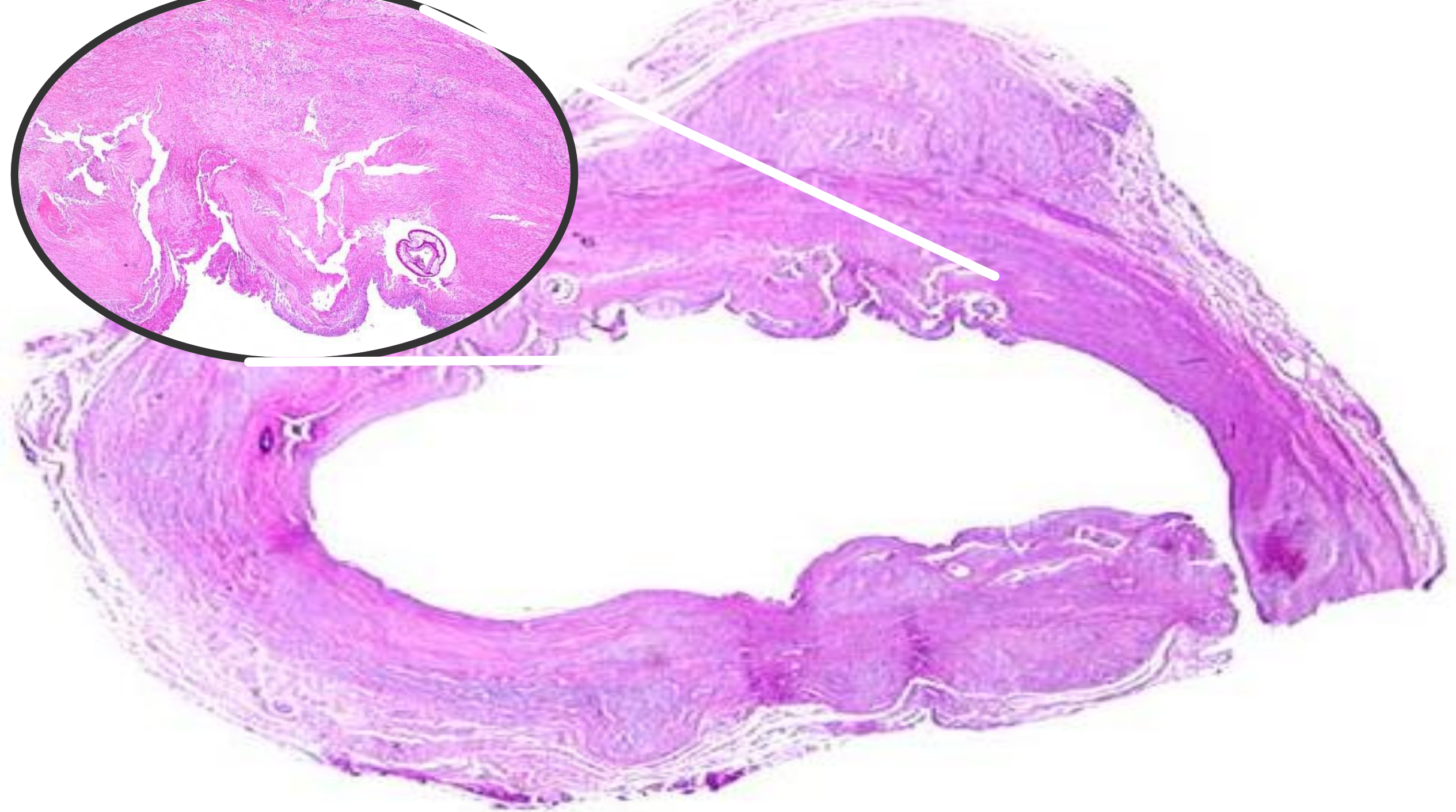


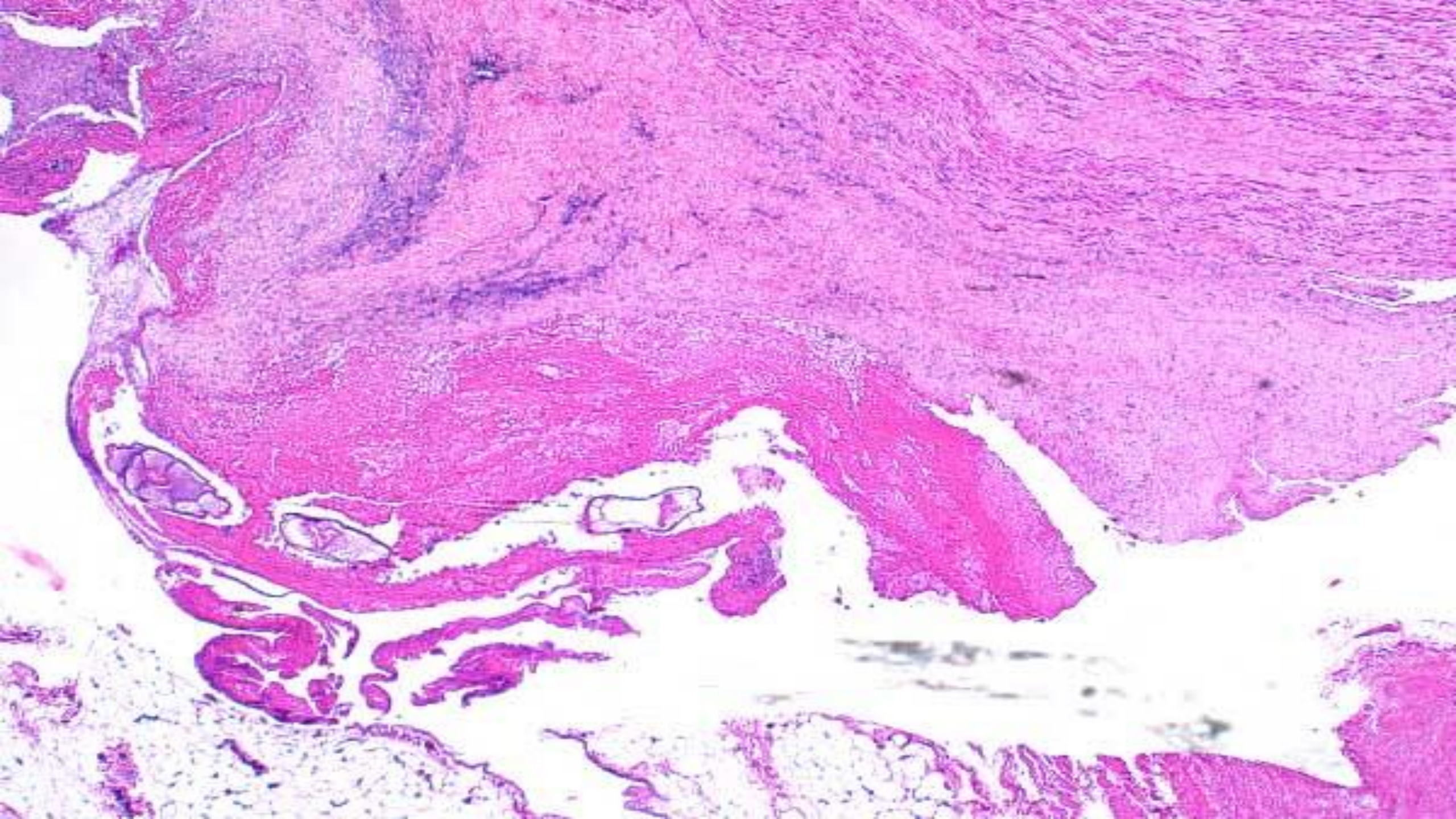
# Diagnosis: Parasitic arteritis

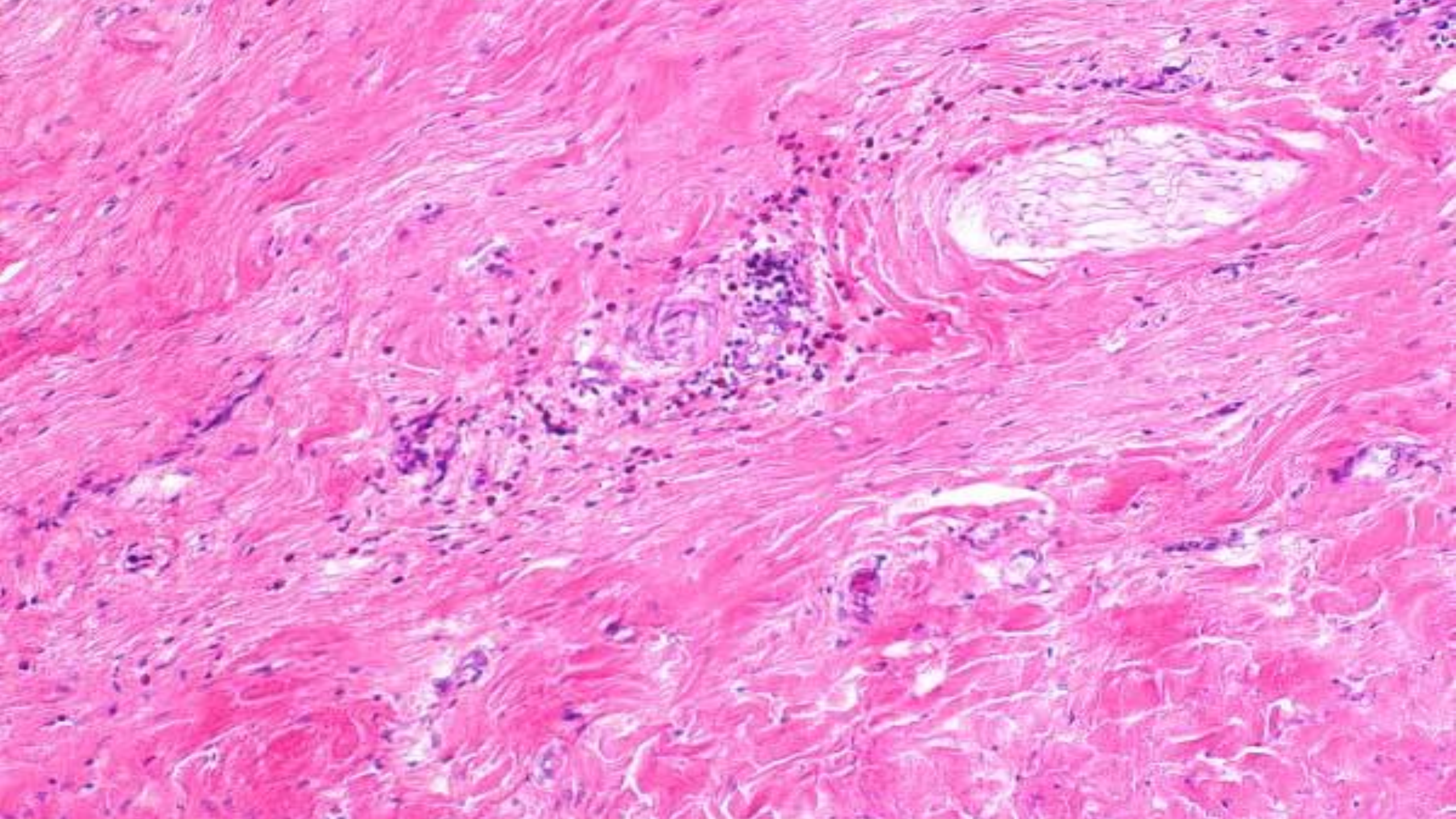
Organ: Aorta

Lesion:

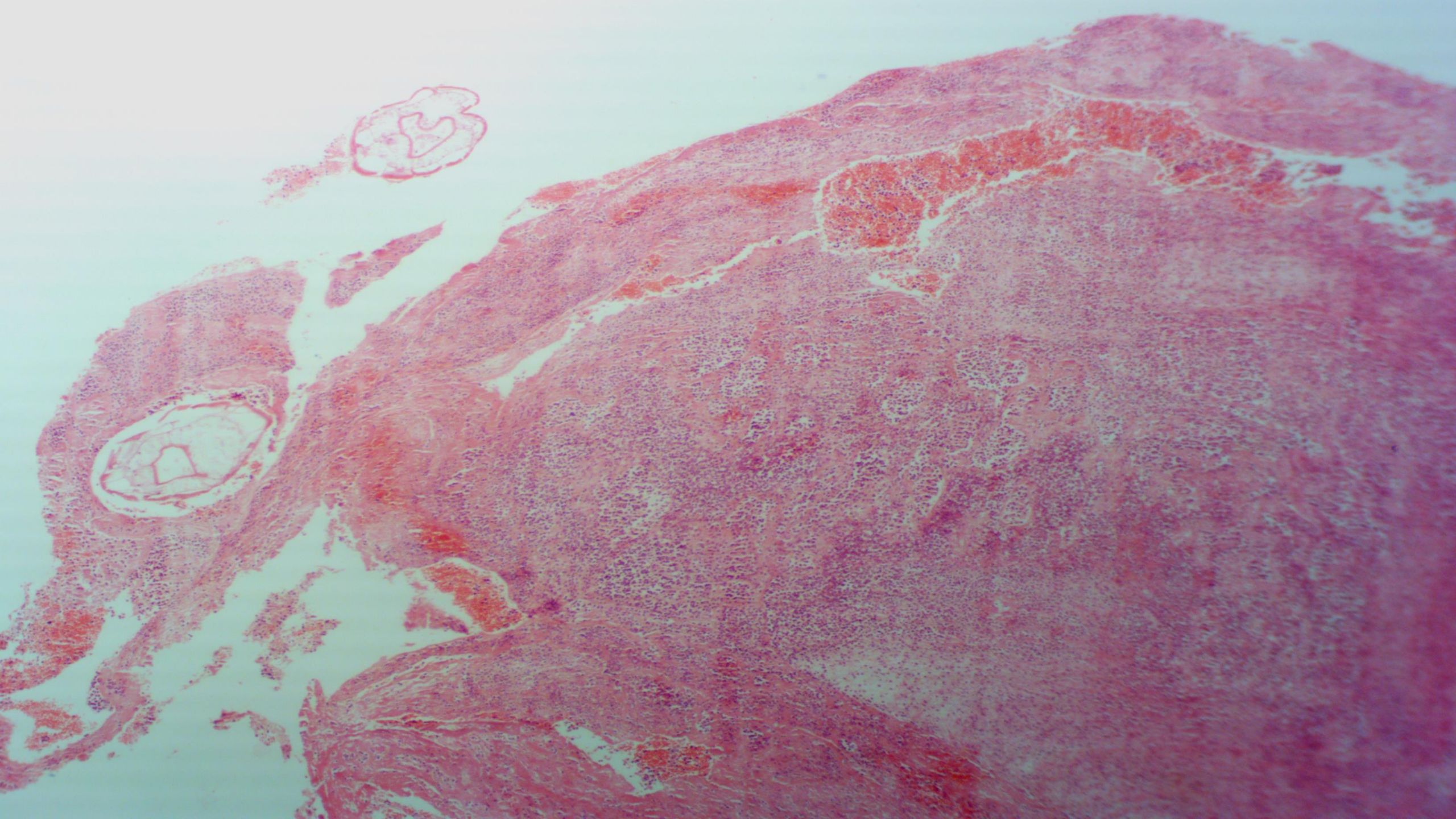
1. Thickening in the wall of the artery results from proliferation of fibrous tissue in tunica intima irregularly and it contains the disintegrated parasites.
2. Inflammatory exudate represented by infiltration of large numbers of inflammatory cells (eosinophiles and monocytes).
3. Fibroelastosis in Tunica media of aorta and of vasa vasorum.

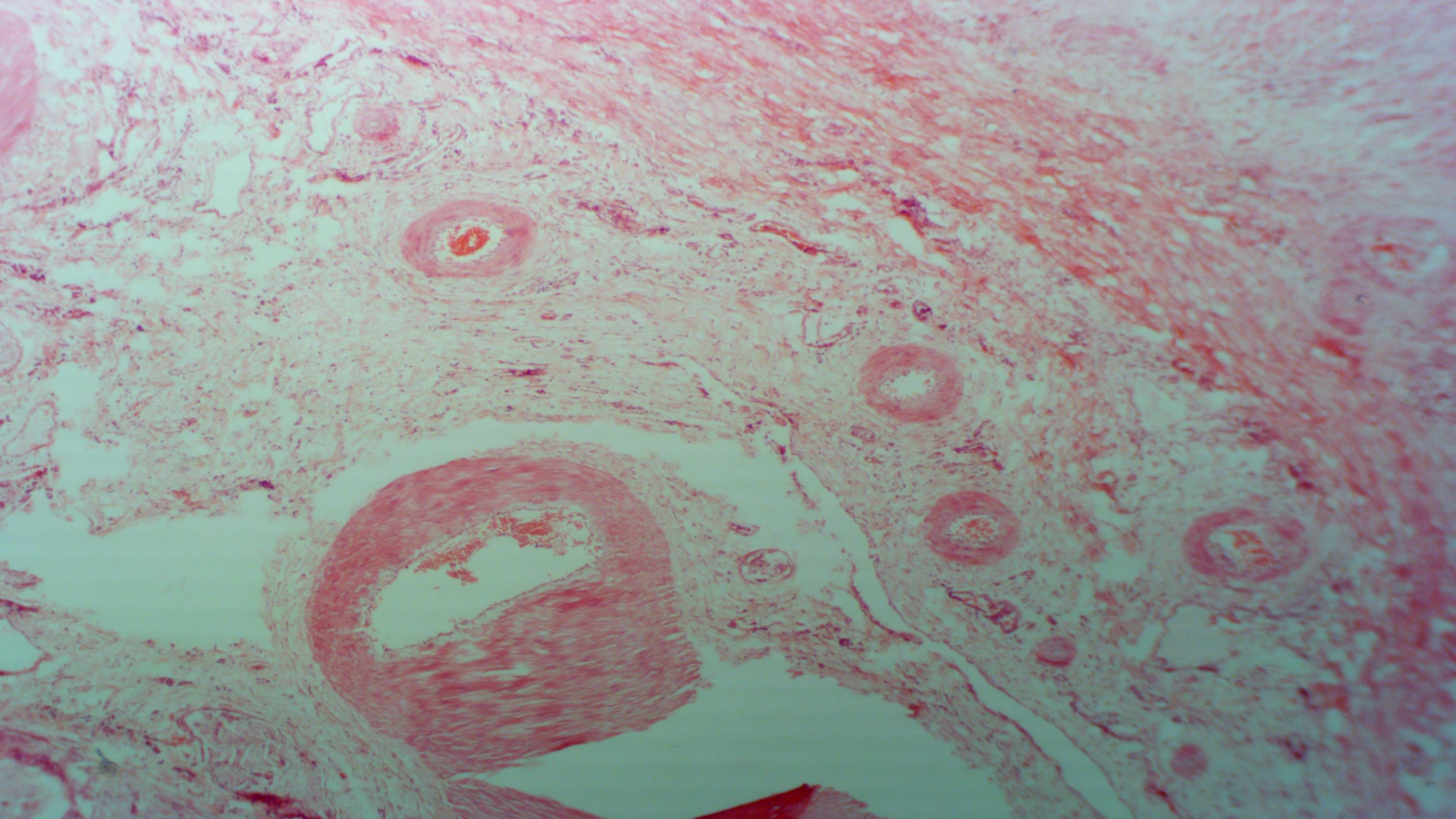














**Diagnosis: Atherosclerosis**

**Organ: Artery**

**Lesion:**

1. Thickening of arterial wall results from accumulation of fatty materials (cholesterol) in tunica media.
2. Proliferation of smooth muscles with breaking of collagenous fibers.
3. Presence of empty vacuoles which called foam cells result from dissolution of fatty materials.

