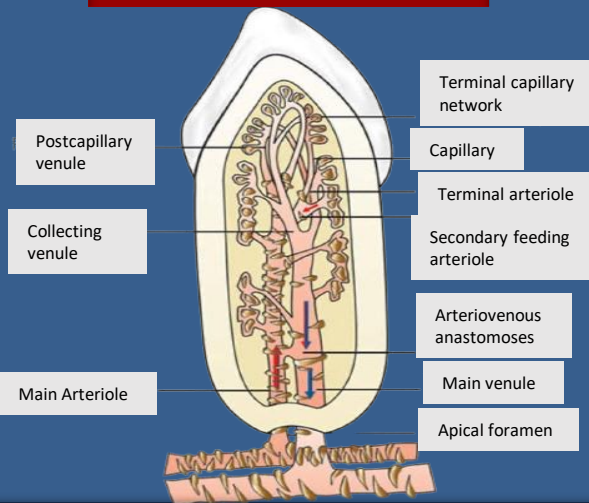


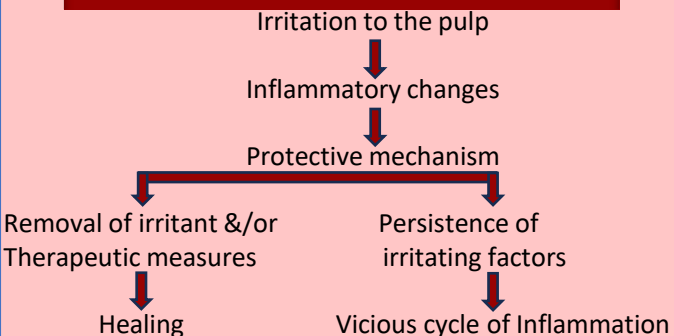
IMPORTANCE OF MICRO-CIRCULATION IN PULPAL INFLAMMATION

MICROCIRCULATION is a functionally independent entity that encompasses of arterioles, venules & capillaries, with diameter ranging from 5µm to 100µm

Pulpal Microcirculation



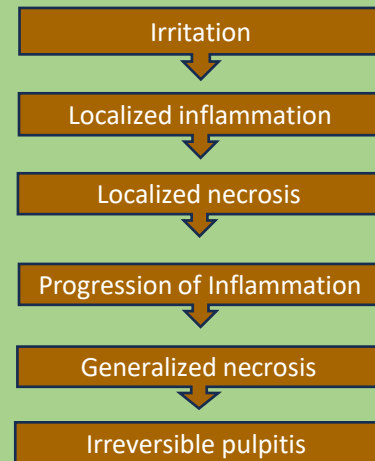
Sequelae of pulpal inflammation



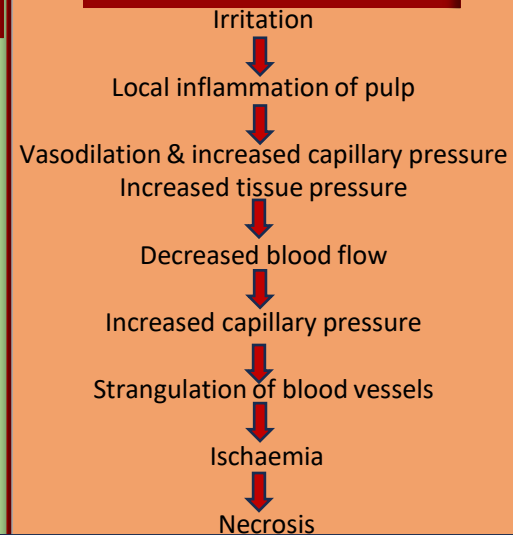
Vascular changes during Inflammation

Dilatation of arterioles	Blood flow Capillary pressure Filtration Venous pressure
Increased permeability to proteins in capillaries and small venules	colloid-osmotic pressure in the tissue fluid
Margination and pavementing of the leukocytes	Tissue volume Interstitial hydrostatic pressure Venous vascular resistance

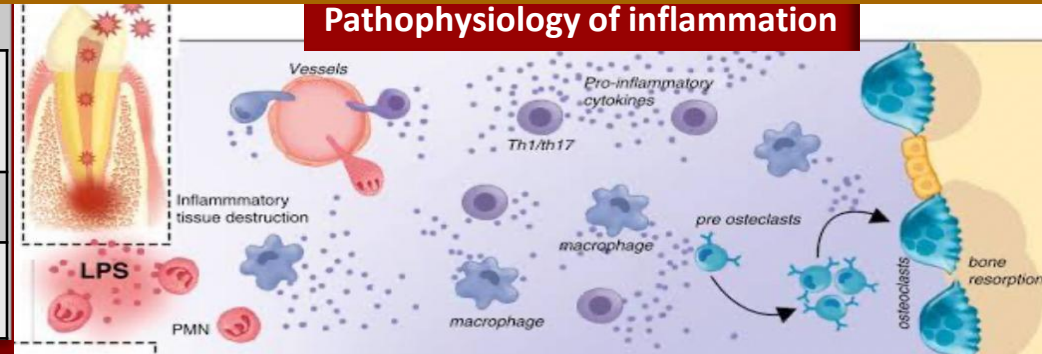
Mechanism of Vicious cycle of Inflammation



Strangulation Theory

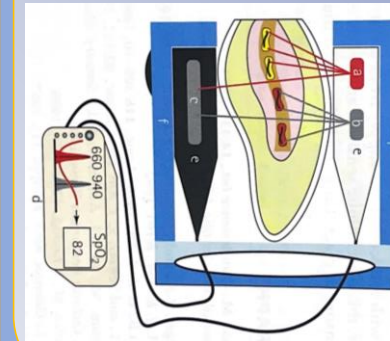


Pathophysiology of inflammation



Pulpal Test Using Microcirculation

Pulse Oximetry



Laser doppler flowmetry

