

Recent Concepts in the Blood Supply of Optic Nerve Head

Gowhar Ahmad*

Director, Department of Ophthalmology, Florence Hospital Multispeciality Center, Chanapora Srinagar, Kashmir, India

***Corresponding Author:** Gowhar Ahmad, Director, Department of Ophthalmology, Florence Hospital Multispeciality Center, Chanapora Srinagar, Kashmir, India.

Received: May 10, 2019; **Published:** June 01, 2019

Recent concepts in the blood supply of optic nerve head has to be attributed to a great noted well known anatomist by the name of mrss harey we know optic nerve is supplied by post ciliary artery branch of ophthalmic artery

According to mr ss harey post ciliary artery after supplying the optic disc has got segmental distribution in the choroid and choroidal arteries are end arteries.

So any condition which will interfere with the blood supply of post ciliary artery will not produce changes in the optic disc but also in peripapillary choroid characterised by the cavernous degeneration of optic disc.

Filling of blood in post ciliary artery and epipapillary chriod depends upon difference of i o p and perfusion pressure at the optic nerve head.

Greater the difference better is the filling in post ciliary artery.

So if i o p is low perfusion pressure is high thus enhancing better filling in post ciliary artery and vies versa

The modern concept of s s harey blood supply of optic nerve head has been of great help in understanding the aetiopathogenesis of ischaemic optic neuropathy.

Volume 2 Issue 6 July 2019

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