

**00021      The Incidence of Cilioretinal Artery in Populations**

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**Aims:** An important variation of the retinal supply is the cilioretinal artery which arises from the short posterior ciliary artery that enters through the optic nerve. The aim of this study is to evaluate the incidence of cilioretinal artery in the population and to examine the possible clinical significance of such a finding.

**Methodology:** An electronic literature search was undertaken on "Cilioretinal artery" in Pubmed. The search terms used includes "Direct ophthalmoscopy", "Stereo Fundo Photography" and/or "Fluorescein angiography". All the included studies for analysis contained the measured outcomes for calculation.

**Result:** A total of 4036 cases in 15 studies with 14114 eyes examined were found. The incidence ranged from 6.9 to 64% in available studies with an average of 28.5%.

**Conclusion:** We report that the incidence of cilioretinal artery in populations in available literature to be 28.5% with the range of 6.9 to 64%. This finding may be associated with glaucoma, amblyopia and possible worse visual prognosis in event of occlusion.

References Bonyadi MH (2014) Amblyopia associated with prominent cilioretinal artery. J Ophthalmic Vis Res 9: 520-521. Brown GC (1983) Cilioretinal artery obstruction. Retina 3: 182-187. Jonas JB (1989) Nonqualitative morphological features in normal and glaucomatous optic discs. Acta Ophthalmol 67: 361-366.