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Authors: Aadesh Kumar, Ram Avtar, Deepti Seth

Paper Title: Mathematical Modeling of Oxygen Transport in Retinal Layers

Abstract: The retina contains maximum oxygen consumption making it particular valuneric to vascular infults, diminishing oxygen and circulation of nutrients. The goel of this paper to develop a mathematical model for quantitative analysis of transportation of oxygen and consumption in each retinal layer. Such models allows us to predict the effect of qualitatative change in retinal vasculature on oxygen supply in retinal layers. A differential equation, which used in this paper describing how the oxygen transport and cosumpt by the retinal layers.

Keyword: Oxygen transport, Retinal capillaries, Oxygen metabolism, Oxygen consumption, Retinal vascular occlusion, Intraretinal oxygen pressure.

References:
7. D Rod Braun ;etal ‘Oxygen Consumption in the Inner and Outer retina of the cat’ ;1995,36:542-554