

METHOD FOR INCREASING BLOOD FLOW AND METABOLIC RATE OF EYE FUNDUS

ABSTRACT

Disclosed is a method for increasing the blood flow and metabolic rate of the eye fundus, the method being characterized in comprising the following steps: (1) irradiating the eye fundus through the pupil by using red light or near-infrared light in a certain wavelength range, a certain energy density range and a certain irradiation time range; (2) once irradiation is complete, repeating the foregoing step at intervals of a certain time range, using red light or near-infrared light in the same wavelength range and the same energy density range to irradiate the eye fundus through the pupil. By means of the photophysical and photochemical effects generated by repeatedly using low-intensity red light and near-infrared light to irradiate the eye fundus through the pupil, the effects of increasing the blood flow and metabolic rate of eye fundus tissue and improving the repair of ocular tissue damage are achieved. Said effects include but are not limited to: the remodeling of scleral fibroblasts and repairing of visual function cells so as to achieve the effects of preventing, slowing down, inhibiting or even reversing eye diseases.

[No suitable figure]