

What is claimed is:

1. A myopia-preventing high intensity illumination apparatus for illuminating eyeballs and surrounding tissues by extra pupillary pathway via light that penetrating periorbital skin, subcutaneous tissue, pass through peripheral cornea, iris, peripheral lens, uvea, sclera, choroid, retinal pigment epithelium, comprising multiple light sources, two units for pupil detector and a CPU controller and a battery pack for system power supply.
2. The myopia-preventing high intensity illumination apparatus for illuminating eyeballs and surrounding tissues by extra pupillary pathway via light that penetrating periorbital skin, subcutaneous tissue, pass through peripheral cornea, iris, peripheral lens, uvea, sclera, choroid, retinal pigment epithelium, according to claim 1, wherein the light illuminating cornea region is controlled by pupil detector and a CPU controller to avoid high intensity light to pass through pupil aperture.
3. The myopia-preventing high intensity illumination apparatus for illuminating eyeballs and surrounding tissues by extra pupillary pathway via light that penetrating periorbital skin, subcutaneous tissue, pass through peripheral cornea, iris, peripheral lens, uvea, sclera, choroid, retinal pigment epithelium, according to claim 1, wherein the light source comprises various spectra, wherein the spectra and compositions thereof can be adjusted according to a requirement, the light source can be one type of light source or a composition of various light sources, the illumination level provided by the light source is adjustable, and being adjusted to greater than 0.5 LUX or program adjusted based on different time periods; the illumination timing of the illumination provided by the light source being continuous, intermittent, or adjusted by preset program.
4. The myopia-preventing high intensity illumination apparatus for illuminating eyeballs and surrounding tissues by extra pupillary pathway via light that penetrating periorbital skin, subcutaneous tissue, pass through peripheral cornea, iris, peripheral lens, uvea, sclera, choroid, retinal pigment epithelium, according to claim 1, the light intensity of light source is preferred but not limited to 1000 lux to 120000 lux.
5. The myopia-preventing high intensity illumination apparatus for illuminating eyeballs and surrounding tissues by extra pupillary

pathway via light that penetrating periorbital skin, subcutaneous tissue, pass through peripheral cornea, iris, peripheral lens, uvea, sclera, choroid, retinal pigment epithelium, according to claim 1, wherein the light spectrum is preferred but not limited to the full spectrum of sunny daylight.

6. The myopia-preventing high intensity illumination apparatus for illuminating eyeballs and surrounding tissues by extra pupillary pathway via light that penetrating periorbital skin, subcutaneous tissue, pass through peripheral cornea, iris, peripheral lens, uvea, sclera, choroid, retinal pigment epithelium, according to claim 1, wherein the light source is provided above, below or laterally to a pair of glasses.
7. The myopia-preventing high intensity illumination apparatus for illuminating eyeballs and surrounding tissues by extra pupillary pathway via light that penetrating periorbital skin, subcutaneous tissue, pass through peripheral cornea, iris, peripheral lens, uvea, sclera, choroid, retinal pigment epithelium, according to claim 1, wherein the light source and necessary components being provided on a pair of VR or AR glasses or a frame similar thereto, wherein illumination provided by the light source being individually controlled, or collectively controlled by a main program of the pair of VR or AR glasses or the frame similar thereto.
8. The myopia-preventing high intensity illumination apparatus for illuminating eyeballs and surrounding tissues by extra pupillary pathway via light that penetrating periorbital skin, subcutaneous tissue, pass through peripheral cornea, iris, peripheral lens, uvea, sclera, choroid, retinal pigment epithelium, according to claim 1, wherein the light source and necessary components being constructed to merge with a glasses frame.
9. The myopia-preventing high intensity illumination apparatus for illuminating eyeballs and surrounding tissues by extra pupillary pathway via light that penetrating periorbital skin, subcutaneous tissue, pass through peripheral cornea, iris, peripheral lens, uvea, sclera, choroid, retinal pigment epithelium, according to claim 1, wherein the light source and necessary components being constructed to merge with an illumination device frame.
10. The myopia-preventing high intensity illumination apparatus for illuminating eyeballs and surrounding tissues by extra pupillary

pathway via light that penetrating periorbital skin, subcutaneous tissue, pass through peripheral cornea, iris, peripheral lens, uvea, sclera, choroid, retinal pigment epithelium, according to claim 1, wherein the light source and necessary components being constructed to merge with a headgear.