

10. A method of claim 1, wherein measuring ocular auto-fluorescence includes noninvasively capturing a single ocular image, and measuring at least one of ocular metabolic dysfunction, ocular mitochondrial dysfunction, and loss of ocular mitochondrial integrity. 5

11. A method of claim 1, further including periodically repeating the act of measuring and the act of detecting over time to monitor progression or regression of the at least one of metabolic dysfunction, mitochondrial dysfunction, and loss of mitochondrial integrity. 10

12. A method of claim 11, further including treating a patient to regress the at least one of metabolic dysfunction, mitochondrial dysfunction, and loss of mitochondrial integrity, and repeating the act of measuring and the act of determining to monitor progression and effectiveness of treatment to regression of the at least one of metabolic dysfunction, mitochondrial dysfunction, and loss of mitochondrial integrity and prevention or reduction of apoptotic activity. 15

13. A method of claim 1, further including providing an immediate detection of ocular disorders. 20

14. The method of claim 13, wherein the ocular disorders include retinal disorders.

15. The method of claim 13, wherein the ocular disorders include optic nerve disorders.

16. A method of claim 1, further including directly correlating at least one of ocular metabolic and ocular mitochondrial activity and the existence of an ocular disorder. 25

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