Biomarkers and special features of oxidative stress in the linked to lens cataract and the trabecular meshwork inj glaucoma: challenges of dual combination therapy with eye drops and oral formulation of nonhydrolyzed carno

Fundamental and Clinical Pharmacology 26, 86-117 DOI: 10.1111/j.1472-8206.2011.00969.x

Citation Report

#	Article	IF	CITATIONS
2	Role of Lipid Peroxidation in the Pathogenesis of Age-Related Cataract. , 0, , .		3
3	Oxaliplatin complexes with carnosine and its derivatives: in vitro cytotoxicity, mass spectrometric and computational studies with a focus on complex fragmentation. Metallomics, 2013, 5, 1537.	2.4	9
4	Environmental light and endogenous antioxidants as the main determinants of non-cancer ocular diseases. Mutation Research - Reviews in Mutation Research, 2013, 752, 153-171.	5.5	68
5	Lipid peroxidation is increased in tears from the elderly. Experimental Eye Research, 2013, 115, 199-205.	2.6	22
6	Evaluation of presumptive biomarkers of oxidative stress, immune response and apoptosis in primary open-angle glaucoma. Current Opinion in Pharmacology, 2013, 13, 98-107.	3.5	64
7	A contemporary concept of the blood–aqueous barrier. Progress in Retinal and Eye Research, 2013, 32, 181-195.	15.5	102
8	Oxidative stress and potential applications of free radical scavengers in glaucoma. Redox Report, 2013, 18, 76-87.	4.5	35
9	Biomarkers of Oxidative Stress and Cataract. Novel Drug Delivery Therapeutic Strategies Targeting Telomere Reduction and the Expression of Telomerase Activity in the Lens Epithelial Cells with N-Acetylcarnosine Lubricant Eye Drops: Anti-Cataract which Helps to Prevent and Treat Cataracts in the Eves of Dogs and other Animals. Current Drug Delivery. 2014. 11. 24-61.	1.6	17
10	Proteome of the anterior segment structure in relation to glaucoma. Proteomics - Clinical Applications, 2014, 8, 143-153.	1.6	3
11	Redox Regulation by Pitx2 and Pitx3 Is Critical for Fetal Myogenesis. Developmental Cell, 2014, 29, 392-405.	7.0	73
12	Pharmacotherapy of Glaucoma. Journal of Ocular Pharmacology and Therapeutics, 2015, 31, 63-77.	1.4	121
13	The Changes of 8-OHdG, hOGG1, APE1 and Pol β in Lenses of Patients with Age-Related Cataract. Current Eye Research, 2015, 40, 378-385.	1.5	17
14	Use of Carnosine for Oxidative Stress Reduction in Different Pathologies. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-8.	4.0	87
15	Human aqueous humor proteome in cataract, glaucoma, and pseudoexfoliation syndrome. Proteomics, 2016, 16, 1938-1946.	2.2	58
16	Biomarkers of lipid peroxidation in the aqueous humor of primary open-angle glaucoma patients. Archivos De La Sociedad Espanola De Oftalmologia, 2016, 91, 357-362.	0.2	3
17	Biomarcadores de peroxidación lipÃdica en el humor acuoso de pacientes con glaucoma primario de ángulo abierto. Archivos De La Sociedad Espanola De Oftalmologia, 2016, 91, 357-362.	0.2	9
18	Generation of reactive oxygen species in the anterior eye segment. Synergistic codrugs of N-acetylcarnosine lubricant eye drops and mitochondria-targeted antioxidant act as a powerful therapeutic platform for the treatment of cataracts and primary open-angle glaucoma. BBA Clinical, 2016, 6, 49-68.	4.1	49
19	Differential Protein Expression Profiles in Glaucomatous Trabecular Meshwork: An Evaluation Study on a Small Primary Open Angle Glaucoma Population. Advances in Therapy, 2016, 33, 252-267.	2.9	38

#	Article	IF	CITATIONS
20	Polyphenols of Cassia tora leaves prevents lenticular apoptosis and modulates cataract pathology in Sprague-Dawley rat pups. Biomedicine and Pharmacotherapy, 2016, 81, 371-378.	5.6	15
21	The Chemistry of Neurodegeneration: Kinetic Data and Their Implications. Molecular Neurobiology, 2016, 53, 3400-3415.	4.0	62
22	HES1 promotes extracellular matrix protein expression and inhibits proliferation and migration in human trabecular meshwork cells under oxidative stress. Oncotarget, 2017, 8, 21818-21833.	1.8	16
23	The change of anterior segment parameters after cataract surgery in normal-tension glaucoma. International Journal of Ophthalmology, 2017, 10, 1239-1245.	1.1	19
24	A Multi-Locus Genetic Risk Score for Primary Open-Angle Glaucoma (POAG) Variants Is Associated with POAG Risk in a Mediterranean Population: Inverse Correlations with Plasma Vitamin C and E Concentrations. International Journal of Molecular Sciences, 2017, 18, 2302.	4.1	14
25	Characteristic Profiles of Inflammatory Cytokines in the Aqueous Humor of Glaucomatous Eyes. Ocular Immunology and Inflammation, 2018, 26, 1177-1188.	1.8	48
26	Bone Lead Levels and Risk of Incident Primary Open-Angle Glaucoma: The VA Normative Aging Study. Environmental Health Perspectives, 2018, 126, 087002.	6.0	11
27	Carnosine and advanced glycation end products: a systematic review. Amino Acids, 2018, 50, 1177-1186.	2.7	58
28	Age-Related Changes in Human Schlemm's Canal: An in Vivo Optical Coherence Tomography-Based Study. Frontiers in Physiology, 2018, 9, 630.	2.8	8
29	Homocysteine induces oxidative stress to damage trabecular meshwork cells. Experimental and Therapeutic Medicine, 2018, 15, 4379-4385.	1.8	8
30	L-Carnosine protects against Oxaliplatin-induced peripheral neuropathy in colorectal cancer patients: A perspective on targeting Nrf-2 and NF-κB pathways. Toxicology and Applied Pharmacology, 2019, 365, 41-50.	2.8	40
31	Neuroinflammation in Primary Open-Angle Glaucoma. Journal of Clinical Medicine, 2020, 9, 3172.	2.4	42
32	Assessing the Performance of Daily Intake of a Homotaurine, Carnosine, Forskolin, Vitamin B2, Vitamin B6, and Magnesium Based Food Supplement for the Maintenance of Visual Function in Patients with Primary Open Angle Glaucoma. Journal of Ophthalmology, 2020, 2020, 1-9.	1.3	6
33	Antiglaucoma Potential of β-Glucogallin Is Mediated by Modulating Mitochondrial Responses in Experimentally Induced Glaucoma. NeuroImmunoModulation, 2020, 27, 142-151.	1.8	6
34	Activation of ATF4 triggers trabecular meshwork cell dysfunction and apoptosis in POAG. Aging, 2021, 13, 8628-8642.	3.1	21
35	Association of Genetic Polymorphisms in Oxidative Stress and Inflammation Pathways with Glaucoma Risk and Phenotype. Journal of Clinical Medicine, 2021, 10, 1148.	2.4	11
36	Anti-cancer actions of carnosine and the restoration of normal cellular homeostasis. Biochimica Et Biophysica Acta - Molecular Cell Research, 2021, 1868, 119117.	4.1	19
37	Free Radical Biology of Eye Diseases. , 2014, , 3599-3623.		1

CITATION REPORT

#	Article	IF	CITATIONS
38	Sulforaphane Attenuates Hâ,,Oâ,,-induced Oxidant Stress in Human Trabecular Meshwork Cells (HTMCs) via the Phosphatidylinositol 3-Kinase (PI3K)/Serine/Threonine Kinase (Akt)-Mediated Factor-E2-Related Factor 2 (Nrf2) Signaling Activation. Medical Science Monitor, 2019, 25, 811-818.	1.1	19
39	Oxidative stress/antioxidant balance implication in reducing of intra-ocular pressure in patients with stroke, nicergoline therapy and open-angle glaucoma. Balneo Research Journal, 2019, 10, 259-264.	0.4	5
40	Intraocular Pressure: Protagonist or Supporting Actor in Glaucoma?. International Journal of Ophthalmic Research, 2015, 1, 45-47.	0.2	0
41	Evaluation of antioxidants and argpyrimidine in normal and cataractous lenses in north Indian population. International Journal of Ophthalmology, 2017, 10, 1094-1100.	1.1	1
42	Myricetin Prevents Cataract Formation by Inhibiting the Apoptotic Cell Death Mediated Cataractogenesis. Medical Science Monitor, 2020, 26, e922519.	1.1	5
43	Elevated pressure downregulates ZO-1 expression and disrupts cytoskeleton and focal adhesion in human trabecular meshwork cells. Molecular Vision, 2011, 17, 2978-85.	1.1	10
44	Quantitative analysis of SOD2, ALDH1A1 and MGST1 messenger ribonucleic acid in anterior lens epithelium of patients with pseudoexfoliation syndrome. Molecular Vision, 2013, 19, 1341-9.	1.1	13
45	Occurrence of Oxidative Stress and Premature Senescence in the Anterior Segment of Acute Primary Angle-Closure Eyes. , 2022, 63, 34.		6
46	Protective effects of Labisia pumila against neuropathy in a diabetic rat model. Journal of Diabetes and Metabolic Disorders, 2022, 21, 1-11.	1.9	7
47	Trabecular Meshwork Mitochondrial Function and Oxidative Stress. Ophthalmology Science, 2022, 2, 100107.	2.5	8
48	Global and Comparative Proteome Signatures in the Lens Capsule, Trabecular Meshwork, and Iris of Patients With Pseudoexfoliation Glaucoma. Frontiers in Molecular Biosciences, 2022, 9, 877250.	3.5	3
49	Environmental influences on ophthalmic conditions: A scoping review. Clinical and Experimental Ophthalmology, 0, , .	2.6	0
50	Antioxidant peptides, the guardian of life from oxidative stress. Medicinal Research Reviews, 2024, 44, 275-364.	10.5	8