Referenser

Vanliga ögonsjukdomar

2000-Talets Vetenskap nr 2-2018

1. Lim LS, et al. Age-related macular degeneration. Lancet. 2012 May 5;379(9827):1728-38.

2. Chopdar A, Chakravarthy U, Verma D. Age-related macular degeneration. BMJ. 2003 Mar 1;326(7387):485- 8.

3. American Academy of Ophthalmology. Age-Related Macular Degeneration. https://www.aao.org/ bcscsnippetdetail.aspx?id=9711f063-ed7b-452b-8708- c4dad0d893e8 Accessed January 2, 2018.

4. Cruickshanks KJ, Klein R, Klein BE. Sunlight and age-related macular degeneration. The Beaver Dam Eye Study. Arch Ophthalmol. 1993 Apr;111(4):514-8.

5. Mainster MA. Light and macular degeneration: a biophysical and clinical perspective. Eye (Lond). 1987;1(Pt 2):304-10.

6. Vila N, et al. Blue-light filtering alters angiogenic signaling in human retinal pigmented epithelial cells culture model. BMC Ophthalmol. 2017 Nov 2;17(1):198.

7. Sparrow JR, Miller AS, Zhou J. Blue light-absorbing intraocular lens and retinal pigment epithelium protection in vitro. J Cataract Refract Surg. 2004 Apr;30(4):873-8.

8. Rochtchina E, et al. Elevated serum homocysteine, low serum vitamin B12, folate, and age-related macular degeneration: the Blue Mountains Eye Study. Am J Ophthalmol. 2007 Feb;143(2):344-6.

9. Nowak M, et al. Homocysteine, vitamin B12, and folic acid in age-related macular degeneration. Eur J Ophthalmol. 2005 Nov-Dec;15(6):764-7.

10. Axer-Siegel R, et al. Association of neovascular age-related macular degeneration and hyperhomocysteinemia. Am J Ophthalmol. 2004 Jan;137(1):84-9.

11. Homocysteine Lowering Trialists' Collaboration. Dose-dependent effects of folic acid on blood concentrations of homocysteine: a meta-analysis of the randomized trials. Am J Clin Nutr. 2005 Oct;82(4):806-12.

12. Mazza A, et al. Nutraceutical approaches to homocysteine lowering in hypertensive subjects at low cardiovascular risk: a multicenter, randomized clinical trial. J Biol Regul Homeost Agents. 2016 Jul-Sep;30(3):921-7.

13. Christen WG, et al. Folic acid, pyridoxine, and cyanocobalamin combination treatment and age-related macular degeneration in women: the Women's Antioxidant and Folic Acid Cardiovascular Study. Arch Intern Med. 2009 Feb 23;169(4):335-41.

14. Ren C, et al. Circulating miRNAs as Potential Biomarkers of Age-Related Macular Degeneration. Cell Physiol Biochem. 2017;41(4):1413-23.

15. Richer S, et al. Observation of human retinal remodeling in octogenarians with a resveratrol based nutritional supplement. Nutrients. 2013 Jun 4;5(6):1989-2005.

16. Liu XQ, et al. Resveratrol mitigates rat retinal ischemic injury: the roles of matrix metalloproteinase-9, inducible nitric oxide, and heme oxygenase-1. J Ocul Pharmacol Ther. 2013 Feb;29(1):33-40.

17. Rowan S, et al. Involvement of a gut-retina axis in protection against dietary glycemia-induced age-related macular degeneration. Proc Natl Acad Sci U S A. 2017 May 30;114(22):E4472-81.

18. Kaushik S, et al. Dietary glycemic index and the risk of age-related macular degeneration. Am J Clin Nutr. 2008 Oct;88(4):1104-10.

19. Duncan KG, et al. The human fetal retinal pigment epithelium: A target tissue for thyroid hormones. Ophthalmic Res. 1999;31(6):399-406.

20. Chaker L, et al. Thyroid function and age-related macular degeneration: a prospective population-based cohort study – the Rotterdam Study. BMC Med. 2015 Apr 23;13:94.

21. Huang YM, et al. Effect of supplemental lutein and zeaxanthin on serum, macular pigmentation, and visual performance in patients with early age-related macular degeneration. Biomed Res Int. 2015;2015:564738.

22. Akuffo KO, et al. The Impact of Supplemental Antioxidants on Visual Function in Nonadvanced Age-Related Macular Degeneration: A Head-to-Head Randomized Clinical Trial. Invest Ophthalmol Vis Sci. 2017 Oct 1;58(12):5347-60.

23. Ma L, et al. Lutein and zeaxanthin intake and the risk of age-related macular degeneration: a systematic review and meta-analysis. Br J Nutr. 2012 Feb;107(3):350-9.

24. Richter GM, et al. Risk factors for cortical, nuclear, posterior subcapsular, and mixed lens opacities: the Los Angeles Latino Eye Study. Ophthalmology. 2012 Mar;119(3):547-54.

25. Micelli-Ferrari T, et al. Role of lipid peroxidation in the pathogenesis of myopic and senile cataract. Br J Ophthalmol. 1996 Sep;80(9):840-3.

26. Simonelli F, et al. Lipid peroxidation and human cataractogenesis in diabetes and severe myopia. Exp Eye Res. 1989 Aug;49(2):181-7.

27. Babizhayev MA, Yegorov YE. Telomere Attrition in Human Lens Epithelial Cells Associated with Oxidative Stress Provide a New Therapeutic Target for the Treatment, Dissolving and Prevention of Cataract with N-Acetylcarnosine Lubricant Eye Drops. Kinetic, Pharmacological and Activity-Dependent Separation of Therapeutic Targeting: Transcorneal Penetration and Delivery of L-Carnosine in the Aqueous Humor and Hormone-Like Hypothalamic Antiaging Effects of the Instilled Ophthalmic Drug Through a Safe Eye Medication Technique. Recent Pat Drug Deliv Formul. 2016;10(2):82-129.

28. Ma L, et al. A dose-response meta-analysis of dietary lutein and zeaxanthin intake in relation to risk of age-related cataract. Graefes Arch Clin Exp Ophthalmol. 2014 Jan;252(1):63-70.

29. Tham YC, et al. Global prevalence of glaucoma and projections of glaucoma burden through 2040: a

systematic review and meta-analysis. Ophthalmology. 2014 Nov;121(11):2081-90.

30. Calkins DJ, Horner PJ. The Cell and Molecular Biology of Glaucoma: Axonopathy and the Brain. Invest Ophthalmol Vis Sci. 2012 May 4;53(5):2482-4.

31. Crish SD, Calkins DJ. Central visual pathways in glaucoma: evidence for distal mechanisms of neuronal self-repair. J Neuroophthalmol. 2015 Sep;35 Suppl 1:S29-37.

32. National Eye Institute. Facts About Glaucoma. https:// nei.nih.gov/health/glaucoma/glaucoma_facts Accessed January 2, 2018.

33. Faiq MA, et al. Glaucoma–diabetes of the brain: a radical hypothesis about its nature and pathogenesis. Med Hypotheses. 2014 May;82(5):535-46.

34. Faiq MA, Dada T. Diabetes Type 4: A Paradigm Shift in the Understanding of Glaucoma, the Brain Specific Diabetes and the Candidature of Insulin as a Therapeutic Agent. Curr Mol Med. 2017;17(1):46-59.

35. Dada T. Is Glaucoma a Neurodegeneration caused by Central Insulin Resistance: Diabetes Type 4? J Curr Glaucoma Pract. 2017 Sep-Dec;11(3):77-9.

36. Majeed M, et al. Efficacy and safety of 1% forskolin eye drops in open angle glaucoma – An open label study. Saudi J Ophthalmol. 2015 Jul-Sep;29(3):197-200.

37. Mutolo MG, et al. Oral Administration of Forskolin, Homotaurine, Carnosine, and Folic Acid in Patients with Primary Open Angle Glaucoma: Changes in Intraocular Pressure, Pattern Electroretinogram Amplitude, and Foveal Sensitivity. J Ocul Pharmacol Ther. 2016 Apr;32(3):178-83.

38. Nebbioso M, et al. Forskolin and rutin prevent intraocular pressure spikes after Nd:YAG laser iridotomy. Panminerva Med. 2012 Dec;54(1 Suppl 4):77-82.

39. Vetrugno M, et al. Oral administration of forskolin and rutin contributes to intraocular pressure control in primary open angle glaucoma patients under maximum tolerated medical therapy. J Ocul Pharmacol Ther. 2012 Oct;28(5):536-41.

40. Hart NJ, et al. Ocular indicators of Alzheimer's: exploring disease in the retina. Acta Neuropathol. 2016 Dec;132(6):767-87.

41. Koronyo Y, et al. Retinal amyloid pathology and proof-of-concept imaging trial in Alzheimer's disease. JCI Insight. 2017 Aug 17; 2(16): e93621.

42. Morin PJ, et al. Amyloid precursor protein is synthesized by retinal ganglion cells, rapidly transported to the optic nerve plasma membrane and nerve terminals, and metabolized. J Neurochem. 1993 Aug;61(2):464-73.

43. Feart C, et al. Plasma Carotenoids Are Inversely Associated With Dementia Risk in an Elderly French Cohort. J Gerontol A Biol Sci Med Sci. 2016 May;71(5):683-8.

44. Xu X, Lin X. [Advances in the researches of lutein and alzheimer's disease]. [Article in Chinese, Abstract in English.] Zhonghua Yu Fang Yi Xue Za Zhi. 2015 May;49(5):456-60.

45. Lee WJ, et al. Relationship Between Open-angle Glaucoma and Stroke: A 2010 to 2012 Korea National Health and Nutrition Examination Survey. J Glaucoma. 2018 Jan;27(1):22-7.

46. Heesterbeek TJ, et al. The incidence and predictors of depressive and anxiety symptoms in older adults with vision impairment: a longitudinal prospective cohort study. Ophthalmic Physiol Opt. 2017 Jul;37(4):385-98.

47. Zheng Y, et al. The Prevalence of Depression and Depressive Symptoms among Eye Disease Patients: A Systematic Review and Meta-analysis. Sci Rep. 2017 Apr 12;7:46453.

48. Wong-Riley M. Energy metabolism of the visual system. Eye Brain. 2010;2: 99-116.

49. Cheung LTY, et al. Targeted Delivery of Mitochondrial Calcium Channel Regulators: The Future of Glaucoma Treatment? Front Neurosci. 2017;11:648.

50. Feher J, et al. Mitochondrial alterations of retinal pigment epithelium in age-related macular degeneration. Neurobiol Aging. 2006 Jul;27(7):983-93.

51. Karunadharma PP, et al. Mitochondrial DNA damage as a potential mechanism for age-related macular degeneration. Invest Ophthalmol Vis Sci. 2010 Nov;51(11):5470-9.

52. Babizhayev MA. Mitochondria induce oxidative stress, generation of reactive oxygen species and redox state unbalance of the eye lens leading to human cataract formation: disruption of redox lens organization by phospholipid hydroperoxides as a common basis for cataract disease. Cell Biochem Funct. 2011 Apr;29(3):183-206.

53. Han WH, et al. Modifications in Retinal Mitochondrial Respiration Precede Type 2 Diabetes and Protracted Microvascular Retinopathy. Invest Ophthalmol Vis Sci. 2017 Aug 1;58(10):3826-39.

54. Tien T, et al. High Glucose Induces Mitochondrial Dysfunction in Retinal Müller Cells: Implications for Diabetic Retinopathy. Invest Ophthalmol Vis Sci. 2017 Jun 1;58(7):2915-21.

55. Pinazo-Durán MD, et al. Strategies to reduce oxidative stress in glaucoma patients. Curr Neuropharmacol. 2017 Jul 5. [Epub ahead of print.]

56. Zhang X, et al. Therapeutic potential of co-enzyme Q10 in retinal diseases. Curr Med Chem. 2017 Aug 1. [Epub ahead of print.]

57. Qu J, Kaufman Y, Washington I. Coenzyme Q10 in the human retina. Invest Ophthalmol Vis Sci. 2009 Apr;50(4):1814-8.

58. Crooke A, et al. The role and therapeutic potential of melatonin in age-related ocular diseases. J Pineal Res. 2017 Sep;63(2).

59. Dehdashtian E, et al. Diabetic retinopathy pathogenesis and the ameliorating effects of melatonin; involvement of autophagy, inflammation and oxidative stress. Life Sci. 2017 Dec 1. [Epub ahead of print.]

60. Ozawa Y, et al. Bilberry extract supplementation for preventing eye fatigue in video display terminal workers. J Nutr Health Aging. 2015 May;19(5):548-54.

61. Ottobelli L, et al. Age-related changes of the ocular surface: a hospital setting-based retrospective study. J Ophthalmol. 2014;2014:532378.

62. Higuchi A, et al. Selenoprotein P controls oxidative stress in cornea. PLoS One. 2010 Mar 29;5(3):e9911.

63. Pinazo-Durán MD, et al. Effects of a nutraceutical formulation based on the combination of antioxidants and ω-3 essential fatty acids in the expression of inflammation and immune response mediators in tears from patients with dry eye disorders. Clin Interv Aging. 2013;8:139-48.

64. Choi JH, et al. Efficacy of the mineral oil and hyaluronic acid mixture eye drops in murine dry eye. Korean J Ophthalmol. 2015 Apr;29(2):131-7.

65. Groß D, Childs M, Piaton JM. Comparison of 0.2% and 0.18% hyaluronate eye drops in patients with moderate to severe dry eye with keratitis or keratoconjunctivitis. Clin Ophthalmol. 2017 Apr 6;11:631-8.

66. Sand BB, Marner K, Norn MS. Sodium hyaluronate in the treatment of kera Acta Ophthalmol (Copenh) toconjunctivitis sicca. A double masked clinical trial. 1989 Apr;67(2):181-3.

67. Simmons PA, et al. Efficacy and safety of two new formulations of artificial tears in subjects with dry eye disease: a 3-month, multicenter, active-controlled, randomized trial. Clin Ophthalmol. 2015 Apr 15;9:665- 75.

68. Postorino EI, et al. Efficacy of eyedrops containing cross-linked hyaluronic acid and coenzyme Q10 in treating patients with mild to moderate dry eye. Eur J Ophthalmol. 2017 Aug 2. [Epub ahead of print.]

69. Kishi S. [Vitreous and macular diseases]. [Article in Japanese, Abstract in English.] Nippon Ganka Gakkai Zasshi. 2003 Dec;107(12):813-34;discussion 835.

70. Emoto Y, et al. Curcumin suppresses N-methyl- N-nitrosourea-induced photoreceptor apoptosis in Sprague-Dawley rats. In Vivo. 2013 Sep- Oct;27(5):583-90.

71. Li J, et al. Curcumin Attenuates Retinal Vascular Leakage by Inhibiting Calcium/Calmodulin-Dependent Protein Kinase II Activity in Streptozotocin-Induced Diabetes. Cell Physiol Biochem. 2016;39(3):1196-208.

72. Li J, et al. Curcumin Inhibits Neuronal Loss in the Retina and Elevates Ca^{2+}/Calmodulin-Dependent Protein Kinase II Activity in Diabetic Rats. J Ocul Pharmacol Ther. 2015 Nov;31(9):555-62.

73. Steigerwalt R, et al. Meriva®, a lecithinized curcumin delivery system, in diabetic microangiopathy and retinopathy. Panminerva Med. 2012 Dec;54(1 Suppl 4):11-6.