

The Ageing Eye (Part 1: Assessment)

Module 1: Physiology & Pathology - Ocular

Data sources referenced within the programme

Source Ref	Title	Type	Reference
1.	Relationship between tear production and age	Chart	M Ozdemir and H Temizdemir. Age- and gender-related tear function changes in normal population - Eye (2010) 24 , 79–83
2.	Relationship between age and pupil size chart	Chart	Loewenfeld IE: “Simple, central” anisocoria: A common condition, seldom recognized. Trans Am Acad Ophthalmol, American Academy of Ophthalmology, San Francisco, 1977;82:832–839.
3.	Influence of first near-spectacle reading correction on accommodation	Bullets	Vedamurthy I, Harrison WW, Liu Y, Cox I and Schor CM. The Influence of First Near-Spectacle Reading Correction on Accommodation and Its Interaction with Convergence - Invest Ophthalmol Vis Sci. 2009 Sep;50(9):4215-22.
4.	Research into factors affecting onset of presbyopia	Voice	JS Pointer. The presbyopic add. II. Age-related trend and a gender difference - Ophthalmic Physiol Opt.1995;15(4):241-148 JS Pointer. Gender-related optical aspects of the onset of presbyopia - Ophthalmic Physiol Opt. 2002 Mar;22(2):126-9.
5.	Retinal illumination against age	Chart	Weale R. A. (1963a) The Ageing Eye. Lewis, London
6.	Change in cup/disc ratio	Bullets	Garway-Heath D F, Wollstein G, Hitchings R A. Ageing changes of the optic nerve head in relation to open angle glaucoma. Br J Ophthalmol 1997;81:840-845
7.	Visual acuity and age	Chart	de Haan V. Onderzoekingen Naar de Invloed van de Leeftijd op de Gezichtsscherpte [Research on the Influence of Age on Visual Acuity].

			Doctoral dissertation, Utrecht, 1862.
8.	Percentage of subjects with low vision or blindness	Chart	Klein R, Klein BEK, Linton KIP and DeMets, DL. The Beaver Dam Eye Study: Visual acuity. Ophthalmol 98, 1310-1315,1991.
9.	Dark adaptation as a function of age	Chart	Jackson GR, Owsley C and McGwin G. Ageing and dark adaptation, Vision Research, Volume 39, Issue 23, November 1999, Pages 3975-3982.
10.	Age related changes in contrast sensitivity	Chart	Sekular R, Owsley C and Hutman L. Addressing spatial vision in older people. Amer J Optom 59: 961-968,1982.
11.	Percentage of 40+ patients with glaucoma	Figures	Quigley HA, Broman AT The number of people with glaucoma worldwide in 2010 and 2020 - Br J Ophthalmol 2006;90:262–267
12.	Causes of vision impairment chart & Cataract prevalence by age	Chart	Michon JJ, Lau J, Wing SC, Ellwein LB. Prevalence of visual impairment, blindness, and cataract surgery in the Hong Kong elderly - Br J Ophthalmol 2002;86:133–139.
13.	Gene EphA2 research reference	Bullets	Jun G, Guo H, Klein BE, Klein R, Wang JJ, et al. (2009) EPHA2 is associated with age-related cortical cataract in mice and humans. PLoS Genet. 2009 Jul;5(7)
14.	Additional risk factors for cataract	Voice	Leske MC, Chylack LT, Suh-Yuh Wu. The Lens Opacities Case-Control Study: Risk Factors for Cataract. Arch Ophthalmol. 1991;109(2):244-251
15.	AMD prevalence	Figures	Owen CG, Jarrar Z, Wormald R, Cook DG, Fletcher AE, Rudnicka AR. The estimated prevalence and incidence of late stage age related macular degeneration in the UK. The British Journal of Ophthalmology. 2012; 96, 752–756.
16.	Dry eye prevalence	Figures	Moss SE, Klein R, Klein BK. Prevalence of and Risk Factors for Dry Eye Syndrome. Arch Ophthalmol. 2000;118(9):1264-1268.