Dear Joe Bloggs,

Welcome to your Evidence Update email from KnowledgeShare. The resources listed below have been chosen based on the interests you have provided. I hope they are useful. Please contact me via email if you would like a copy of any of the journal articles. If you would like to change the interests we have listed, stop receiving the notifications, or request a search on a specific topic, please don't hesitate to let me know.

If you need help getting hold of the full text of anything here then please email me back. For more information about the KnowledgeShare Current Awareness service contact me using the details below.

Cate

Ophthalmology

Articles

The following journal articles are available from the Library and Knowledge Service electronically or in print. Please follow links to access full text online, contact me to order copies, or call into your nearest library.

Antioxidant vitamin and mineral supplements for preventing age-related macular degeneration. Evans JR. Cochrane Database of Systematic Reviews 2017;(7):CD000253. [Taking vitamin E or beta-carotene supplements will not prevent or delay the onset of AMD. The same probably applies to vitamin C and the multivitamin (Centrum Silver) investigated in the one trial reported to date. There is no evidence with respect to other antioxidant supplements, such as lutein and zeaxanthin. Although generally regarded as safe, vitamin supplements may have harmful effects, and clear evidence of benefit is needed before they can be recommended.] Freely available online

Characterization of Corneal Involvement in Eyes With Mucous Membrane Pemphigoid by In Vivo Confocal Microscopy. Tepelus TC. Cornea 2017;36(8):933–941. [Purpose: To describe the morphological features of the corneal epithelial layers, subbasal nerve plexus, stroma, and endothelium in patients with mucous membrane pemphigoid (MMP) as shown by in vivo confocal microscopy (IVCM). ] Available with an NHS OpenAthens password for eligible users

Effects of Diquafosol Ophthalmic Solution on Quality of Life in Dry Eye Assessed Using the Dry Eye–Related Quality-of-Life Score Questionnaire: Effectiveness in Patients While Reading and Using Visual Display Terminals. Utsunomiya T. Cornea 2017;36(8):908–914. [Conclusions: Diquafosol ophthalmic solution was effective in patients with dry eye, especially those with foreign body sensation and problems when reading and using visual display terminals.] Available with an NHS OpenAthens password for eligible users
**Efficacy of 2-Month Treatment With Cord Blood Serum Eye Drops in Ocular Surface Disease: An In Vivo Confocal Microscopy Study.**


[Conclusions: CBS eye drops significantly improved corneal nerve morphology and subjective symptoms in patients with severe ocular surface disease (OSD). The presence of neuromas and higher dendritic cell density at baseline were associated with greater reduction of discomfort symptoms after treatment.]

*Available with an NHS OpenAthens password for eligible users*

**Interventions for the management of CMV-associated anterior segment inflammation.**

Anshu A. *Cochrane Database of Systematic Reviews* 2017;(8):CD011908.

[There is currently no good-quality evidence on the management of CMV-associated anterior segment inflammation. Ideally, a well-designed RCT is needed to evaluate the effectiveness of different anti-CMV medications as well as the optimal dose and duration.]

*Freely available online*

**Ocriplasmin for symptomatic vitreomacular adhesion.**

Neffendorf JE. *Cochrane Database of Systematic Reviews* 2017;(10):CD011874.

[Evidence from a limited number of RCTs suggests that ocriplasmin is useful in the treatment of sVMA. However, up to 20% of eyes treated with ocriplasmin will still require additional treatment with PPV within six months.]

*Freely available online*

**Patients' Perceived Treatment Effectiveness in Dry Eye Disease.**

Ahmad K. *Cornea* 2017;36(8):893–897.

[Conclusions: A majority of patients with dry eye disease (DED) have positive perceptions regarding the effectiveness of their treatments. Less favorable perceptions are associated with more severe ocular symptoms and nonocular parameters such as younger age and current antidepressant use. In DED management, assessing patients' PTE should be considered as an important part of clinical practice.]

*Available with an NHS OpenAthens password for eligible users*

**Probing for congenital nasolacrimal duct obstruction.**

Petris C. *Cochrane Database of Systematic Reviews* 2017;(7):CD011109.

[The effects and costs of immediate versus deferred probing for NLDO are uncertain. Children who have unilateral NLDO may have better success from immediate office probing, though few children have participated in these trials, and investigators examined outcomes at disparate time points. Determining whether to perform the procedure and its optimal timing will require additional studies with greater power and larger, well-run clinical trials to help our understanding of the comparison.]

*Freely available online*

**Tests for detecting strabismus in children aged 1 to 6 years in the community.**

Hull S. *Cochrane Database of Systematic Reviews* 2017;(11):CD011221.

[There is very limited data in the literature to ascertain the accuracy of tests for detecting strabismus in the community as performed by non-expert screeners. A large prospective study to compare methods would be required to determine which tests have the greatest accuracy.]

*Freely available online*

**Guidelines**
The following new guidance has recently been published:

**Adalimumab and dexamethasone for treating non-infectious uveitis.**
National Institute for Health and Care Excellence (NICE); 2017.
https://www.nice.org.uk/guidance/ta460

[Evidence-based recommendations on adalimumab (Humira) and dexamethasone (Ozurdex) for treating non-infectious uveitis in adults.]
Freely available online

**Cataracts in adults: management.**
National Institute for Health and Care Excellence (NICE); 2017.
https://www.nice.org.uk/guidance/ng77

[This guideline covers managing cataracts in adults aged 18 and over. It aims to improve care before, during and after cataract surgery by optimising service organisation, referral and surgical management, and reducing complications. It further aims to improve the availability of information for people with cataracts before, during and after cataract surgery.]
Freely available online

**Corticosteroids: rare risk of central serous chorioretinopathy with local as well as systemic administration.**
Medicines and Healthcare Products Regulatory Agency (MHRA); 2017.

[Drug Safety Update. Central serous chorioretinopathy is a retinal disorder that has been linked to the systemic use of corticosteroids. Recently, it has also been reported after local administration of corticosteroids via inhaled and intranasal, epidural, intra-articular, topical dermal, and periocular routes.]
Freely available online

**Reports**

The following report(s) may be of interest:

**Eye screening linked to fall in sight loss in people with diabetes.**
NHS Choices - Behind The Headlines; 2017.

[This study aimed to see if earlier detection through screening was associated with a fall in cases of sight impairment (SI) and severe sight impairment (SSI). The results indicate that since the introduction of the screening programme for diabetic retinopathy in Wales, the total number and rate of new certifications of sight impairment and severe sight impairment have decreased.]
Freely available online