Articles

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**Antidepressant medication and ocular factors in association with the need for anti-VEGF retreatment in neovascular age-related macular degeneration.**
[Vascular endothelial growth factor (VEGF) is a key player in the pathogenesis of neovascular age-related macular degeneration (nAMD) and is also involved in the final common pathway of antidepressant medication. This study investigated the relationship between the need for anti-VEGF retreatment in patients with nAMD and antidepressant medication, and the potential impact of ocular structural factors.]
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**Astigmatism and its components in 12-year-old Chinese children: the Anyang Childhood Eye Study.**
[The purpose of this study was to determine prevalence of refractive (RA), corneal (CA) and internal astigmatism (IA), including variation with gender and spherical equivalent refraction (SE), in a population of 12-year-old Chinese children.]
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**Conservative treatment of diffuse infiltrating retinoblastoma: optical coherence tomography-assisted diagnosis and follow-up in three consecutive cases.**
[The purpose of this study was to report conservative therapy in diffuse infiltrating retinoblastoma (DIR) and describe specific optic coherence tomography (OCT) features of the tumour.]
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**Development of a patient reported outcome measures for measuring the impact of visual impairment following stroke.**
[Among the available patient-reported outcome measures (PROMs) there is an absence of a PROM with a specific focus on the impact of the wide variety of visual impairments following stroke. Our aim was to develop a patient reported quality of life outcome measure for stroke survivors with visual impairment.]

**Discrepancy in current central serous chorioretinopathy classification.**
[The purpose of this study was to report the discordance in central serous chorioretinopathy (CSCR)
Effect of optic disc–fovea distance on the normative classifications of macular inner retinal layers as assessed with OCT in healthy subjects.
[The purpose of this study was to determine the influence of the optic disc–fovea distance (DFD) on the normative classifications based on thickness measurements of macular inner retinal layers with spectral-domain optical coherence tomography (OCT) in healthy subjects.]
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Identification of a novel pathogenic missense mutation in PRPF31 using whole exome sequencing: a case report
[The purpose of this study was to identify variants in PRPF31, which encodes pre-mRNA processing factor 31 homolog, are known to cause autosomal-dominant retinitis pigmentosa (adRP) with incomplete penetrance. However, the majority of mutations cause null alleles, with only two proven pathogenic missense mutations. The authors identified a novel missense mutation in PRPF31 in a family with adRP.]
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Impact of car transport availability and drive time on eye examination uptake among adults aged ≥60 years: a record linkage study.
[The purpose of this study was to examine associations between uptake of free primary eye care, service availability (density of optometric practices) and service accessibility (household car access and drive time to nearest provider) after accounting for socioeconomic status and other individual, household and area factors.]
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Impact of mobile radiography services in nursing homes on the utilisation of diagnostic imaging procedures.
[In the last decade, mobile radiography services have been introduced in nursing homes in several countries. Earlier research found an underutilisation of diagnostic imaging among nursing home residents. The purpose of this study was to determine the utilisation of diagnostic imaging among nursing home residents and if there are any differences between hospitals with and without a mobile radiography service.]

Incidence, management and outcome of raised intraocular pressure in childhood-onset uveitis at a tertiary referral centre.
[The purpose of this study was to investigate the incidence, management and outcome of uveitis and raised intraocular pressure (IOP) in children treated at the Manchester Uveitis Clinic (MUC).]
Interventions for orbital lymphangioma.
Patel SR. Cochrane Database of Systematic Reviews 2019;5:CD013000.
[Orbital lymphangiomas typically present in first decade of life with signs of ptosis, proptosis, restriction of ocular motility, compressive optic neuropathy, and disfigurement. Early and effective treatment is crucial to preserving vision. Due to proximity to vital structures, such as the globe, optic nerve, and extraocular muscles, treatment for these lesions is complicated and includes a large array of approaches including observation, sclerotherapy, systemic therapy, and surgical excision.]

Interventions for visual field defects in people with stroke.
Pollock A. Cochrane Database of Systematic Reviews 2019;5:CD008388.
[Visual field defects are estimated to affect 20% to 57% of people who have had a stroke. There are many interventions for visual field defects, which are proposed to work by restoring the visual field; compensating for the visual field defect by changing behaviour or activity; substituting for the visual field defect by using a device or extraneous modification; or ensuring appropriate diagnosis, referral and treatment prescription through standardised assessment or screening, or both.]

Intraoperative lagophthalmos formula for levator resection in congenital ptosis.
[The purpose of this study was to calculate a regression formula for intraoperative lagophthalmos to determine the amount of correction in levator resection for mild to moderate congenital ptosis.]

Patient characteristics and risk factors for central serous chorioretinopathy: an analysis of 811 patients.
[The purpose of this retrospective study, was to determine the demographic and morphological characteristics of patients with central serous chorioretinopathy (CSC) and describe risk factors for CSC.]

Peripapillary and parafoveal vascular network assessment by optical coherence tomography angiography in aquaporin-4 antibody-positive neuromyelitis optica spectrum disorders.
[The purpose of this study was to gain a current understanding of the alterations in the retinal vascular network in neuromyelitis optica spectrum disorders (NMOSDs) is limited. The authors aimed to assess the peripapillary and parafoveal vessel density in aquaporin-4 antibody-positive NMOSD patients by optical coherence tomography (OCT) angiography.]

Peripheral capillary non-perfusion in treatment-naïve proliferative diabetic retinopathy associates with postoperative disease activity 6 months after panretinal photocoagulation.
[With the perspective to provide individualised panretinal laser photocoagulation (PRP) for proliferative diabetic retinopathy (PDR), the authors evaluated if retinal peripheral capillary non-perfusion (PCNP) and oximetry, as non-invasive markers of retinal metabolism and function, could predict disease activity 6 months after PRP.]

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**Rapid assessment of avoidable blindness and diabetic retinopathy in people aged 50 years and older in the National Capital District of Papua New Guinea.**
[The purpose of this study was to conduct an assessment of avoidable blindness, diabetes mellitus and diabetic retinopathy (DR) in adults aged 50 years and older in the National Capital District (NCD) region of Papua New Guinea (PNG).]

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**Safety of 5914 intravitreal ziv-aflibercept injections.**
[The purpose of this retrospective, observational study was to analyse the pooled safety data of intravitreal ziv-aflibercept (IVZ) therapy for various retinal conditions.]

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**Selective laser trabeculoplasty versus drops for newly diagnosed ocular hypertension and glaucoma: the LiGHT RCT.**
[Selective laser trabeculoplasty achieved comparable health-related quality of life to eye drops and at lower cost.]

**United Kingdom Diabetic Retinopathy Electronic Medical Record (UK DR EMR) Users Group: report 4, real-world data on the impact of deprivation on the presentation of diabetic eye disease at hospital services.**
[The purpose of this study was to assess the impact of deprivation on diabetic retinopathy presentation and related treatment interventions, as observed within the UK hospital eye service.]

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**Vision and visual potential for perifoveal retinoblastoma after optical coherence tomographic-guided sequential laser photocoagulation.**
[The purpose of this study was to assess tumour control, vision and anatomical visual potential in eyes with perifoveal retinoblastoma treated by sequential photocoagulation from the antifoveal tumour edge inwards, avoiding treatment near the fovea. Patients were monitored for tumour control, foveal and perifoveal anatomy at each treatment session by optical coherence tomography (OCT) and treated for amblyopia when the other eye had better vision.]

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Events

You may be interested in this (these) forthcoming event(s):

**RCN Ophthalmic Nursing Conference 2019.**
[Join us for this one day conference and benefit from the latest updates and developments to help you stay ahead in your career. Whether you are new to ocular health or an expert in your field, this event offers a supportive environment to reflect on your practice within the wider context of ophthalmic nursing. Book before 4 August 2019 to secure your 15% early bird discount.]
RCN, London
All day event on: 2nd November, 2019

This Bulletin was created by Liz Wright of NHS East Dorset Knowledge and Library Service

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![A Million Decisions](https://example.com/amilliondecisions.png)