Ophthalmology Bulletin February 2020

Articles

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A deep learning approach for automated detection of geographic atrophy from color fundus photographs.
[A deep learning model was developed to detect the presence of GA in color fundus photographs, and 2 additional models were developed to detect CGA in different scenarios.]
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Characteristics associated with adherence to annual dilated eye examinations among US patients with diagnosed diabetes.
Eppley. Ophthalmology 2019;126(11):1492-1499..
[To identify the characteristics that are associated with adherence to annual diabetic eye exams and patient awareness of retinopathy using a nationally representative sample from the United States.]
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Genetic and clinical findings in a large cohort of Chinese patients with suspected retinitis pigmentosa.
[The purpose of this cohort study was to characterize the genetic landscape of patients with suspected retinitis pigmentosa (RP) in the Chinese population.]
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Neurodevelopmental outcomes after intravitreal bevacizumab therapy for retinopathy of prematurity: a prospective case-control study.
[To evaluate the neurodevelopmental and ocular developmental outcomes in premature children who have undergone intravitreal bevacizumab injection (IVB) for treatment of type 1 retinopathy of prematurity (ROP).]
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No CFH or ARMS2 interaction with omega-3 fatty acids, low versus high zinc, or β-Carotene versus lutein and zeaxanthin on progression of age-related macular degeneration in the Age-Related Eye Disease Study 2: Age-Related Eye Disease Study 2 Report No. 18
[The purpose of this post hoc analysis of a randomized trial was to assess whether genotypes at 2 major loci associated with age-related macular degeneration (AMD), complement factor H (CFH), or
age-related maculopathy susceptibility 2 (ARMS2), modify the response to oral nutrients for the treatment of AMD in the Age-Related Eye Disease Study 2 (AREDS2).

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[The purpose of this retrospective cohort study was to present phenotypic features of 22 patients with S-antigen (SAG) mutations.]
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Quantitative ultra-widefield angiography and diabetic retinopathy severity: an assessment of Panretinal Leakage Index, Ischemic Index and Microaneurysm Count
[The aim of this retrospective image analysis study was to investigate the relationship between the diabetic retinopathy (DR) severity and quantitative ultra-widefield angiographic metrics, including leakage index, ischemic index, and microaneurysm count.]
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[This study examined whether short-term use of topical nonsteroidal anti-inflammatory drug (NSAID) or steroid therapy affected the efficacy of selective laser trabeculoplasty (SLT).]
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[The purpose of this database study was to assess associations between annual surgeon case volume and visual acuity outcomes after cataract surgery. Secondary objectives included (1) assessing associations between other case and patient characteristics and visual acuity outcomes and (2) assessing associations between annual surgeon case volume and complication rates.]
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