Optometry DistList

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Monday, 23 April 2018

Today's subjects

- Outdoor activities can control myopia-Healio primary care optometry news
- Training programs in optometry and vision science at LVPEI - Admissions open for 2018 academic year
- FDA clears first contact lens with light-adaptive technology
- Walk in the Dark – Kolkata
- World Council of Optometry Fellowship program
- Smart glasses technology may help treat patients with autism, ADHD – Optometry times

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Date: 06 April 2018
From: Swati Panigrahi (swatipanigrahi1998@gmail.com)
Subject: Outdoor activities can control myopia-Healio primary care optometry news

Yang M et.al. conducted a pilot study on children between 6 and 8 years of age, in the Waterloo region of Canada and found an estimated myopia prevalence of 6%, growing to 28.9% in the 11-year-old to 13-year-old age group. Uncorrected myopia was quite frequent, and the protective effect of time spent outdoors was confirmed. Cycloplegic refraction was done on children in school, and parents answered a questionnaire about their children's indoor and outdoor activities. Family history of myopia was also investigated. A total of 166 participants completed the study.

"The prevalence of myopia continues to increase worldwide at an alarming rate, and Canada is no exception," study author Mike Yang, OD, BSc, told *Primary Care Optometry News.* "The increased prevalence and the shift toward onset at earlier ages will result in a greater incidence of higher prescriptions. High levels of myopia are associated with ocular diseases that can lead to significant visual impairment". The result of the Canadian study demonstrates that outdoor time can be a significant factor in reducing the risk of becoming myopic, with 1 additional hour per week reducing the chances of becoming myopic by over 14%".

So this study gives more evidence to control myopia in those children who are prone to become myopic in future days. And also we can control the progression of myopia by advising the parents and children to do at least 1 hour of outdoor activity per day.

For full text article: https://www.nature.com/articles/s41433-018-0015-5

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Date: 16 April 2018
From: Vijay Kumar (vijaykumar@lvpei.org)

Subject: Training programs in optometry and vision science at LVPEI - Admissions open for 2018 academic year

Brien Holden Institute of Optometry and Vision Sciences (BHIOVS) and L V Prasad Eye Institute(LVPEI), over the last three decades has been offering path breaking training programs in optometry and vision science to enhance the knowledge and skill of optometry students and qualified optometry professionals.

BHIOVS offering optometry and vision science training programs for optometry graduates/practicing graduates/practicing optometrists and optometry students (interns). Admissions for three programs are now open and the details on the programs can be accessed at:

1. Post Graduate Diploma in Optometry and Vision Sciences (PGDOVS): http://www.lvpei.org/events/2018/PGDOVS_2018/index2.html

2. Clinical internship in Optometry: http://www.lvpei.org/events/2018/clinical_internship_optometry/

3. Summer internship in Optometry and Vision Science: http://www.lvpei.org/events/2018/optometry_vision_sciences/

Please note that all the above links available on upcoming events on LVPEI web page **www.lvpei.org** (scroll down the LVPEI web page for upcoming events). Please contact Mr Vijay Kumar (vijaykumar@lvpei.org) for more information on admissions.

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Date: 16 April 2018
From: Sneha Ananthakrishnan (iyers3012@gmail.com)
Subject: FDA clears first contact lens with light-adaptive technology

The U.S. Food and Drug Administration today cleared the first contact lens to incorporate an additive that automatically darkens the lens when exposed to bright light.

"This contact lens is the first of its kind to incorporate the same technology that is used in eyeglasses that automatically darken in the sun," said Malvina Eydelman, director of the Division of Ophthalmic, and Ear, Nose and Throat Devices at the FDA's Center for Devices and Radiological Health.

The contact lenses contain a photochromic additive that adapts the amount of visible light filtered to the eye based on the amount of UV light to which they are exposed. This results in slightly darkened lenses in bright sunlight that automatically return to a regular tint when exposed to normal or dark lighting conditions.

For today's clearance, the FDA reviewed scientific evidence including a clinical study of 24 patients that evaluated daytime and nighttime driving performance while wearing the contact lenses. The results of the study demonstrated there was no evidence of concerns with either driving performance or vision while wearing the lenses.

The Acuvue Oasys Contact Lenses with Transitions Light Intelligent Technology were reviewed through the premarket notification 510(k) pathway. A 510(k) is a premarket submission made by device manufacturers to the FDA to demonstrate that the new device is substantially equivalent to a legally marketed predicate device.

The FDA granted clearance of the Acuvue Oasys Contact Lenses with Transitions Light Intelligent Technology to Johnson & Johnson Vision Care, Inc.

Complete article available: https://www.outerplaces.com/science/item/18280-light-sensitive-contacts-darken-eyes-AMPED

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Date: 12, April 2018
From: India Vision Institute (info@indiavisioninstitute.org)
Subject: Walk in the Dark – Kolkata

Victoria Memorial Hall and India Vision Institute in association with 'Think About Your Eyes' announces the 'Walk in the Dark in Kolkata' on Sunday 29 April. The Walk is a unique awareness initiative conceptualized by India Vision Institute to raise awareness about refractive error, a major cause of 'avoidable' blindness in India. The event will be a forum to sensitize participants and the general public to the difficulties faced by the visually challenged. The walk involve walking blindfolded guided by a visually impaired person.

Venue: Victoria Memorial Hall, Kolkata, West Bengal

Date & Time: Sunday, 29th April, 2018 at 7.30AM; Assemble in front of the North gate.

For enquiries, please contact +91-9533472371 (or)

Visit: https://www.indiavisioninstitute.org/upcoming-programs-view.php?id=13

Join us !

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Date: 19 April 2018
From: World Council of Optometry (garryn.marlen@worldoptometry.org)
Subject: World Council of Optometry Fellowship program

The World Optometry Foundation (WOF) supports the World Council of Optometry Fellowships. WCO Fellowships are intended to support the goals and objectives of WCO. The highest priority for fellowships is innovative projects which result in long-term sustainable results. Areas of priority are education; advocacy; public health; standards; and policy and legislation.

Support can be for the cost of carrying out a project which may include travel. Typical maximum amount of funding is $2,000 U.S. although for high priority projects the funding may be more. Projects which may lead to other sources of funding are encouraged. In the case of high priority projects as determined by the committee multi-year projects may be considered.

Preference will be given to applications from developing and middle income countries (according to the World Bank classification) and applications to do studies and /or travel to developing and middle income countries to enhance education, for public health studies, advance the optometric profession or related topics.

For more information, click here: http://worldcouncilofoptometry.info/membership/fellowship-programme/

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Date: 18 April, 2018
From: Sandeep D (devansandeep@gmail.com)
Subject: Smart glasses technology may help treat patients with autism, ADHD – Optometry times

A new study shows that smart glasses can reduce the symptoms of attention-deficit/hyperactivity disorder (ADHD) in individuals with autistic spectrum disorder (ASD)

Researchers showed a reduction in ADHD-related symptoms, such as hyperactivity, inattention, and impulsivity, in school-aged children, adolescents, and young adults with ASD in this study using the Empowered Brain system.

The Empowered Brain system is a combination of modern smart glasses and educational modules targeting socioemotional and behavioral management skills. Google Glass smart glasses are lightweight head-worn computers with a small transparent display that can provide guidance to users through both visual and audio cues.

Smart glasses contain inbuilt sensors, as well as a small screen and a bone conduction speaker to provide a private audiovisual experience with a range of assistive and educational modules.

Researchers recruited eight children, adolescents, and young adults with ASD. All study participants received an intervention with Empowered Brain, in which each used smart glasses-based social communication and behavioral modules while interacting with their caregivers. Researchers then calculated caregiver-reported ABC-H scores at 24 and 48 hours after the session. All eight participants completed the intervention session. Using this intervention, a significant reduction of behavioral symptoms including hyperactivity, inattention, and impulsivity, was achieved in children and young adults with ASD.

Dr. Taub and Dr. Coulter agree that the study shows promising results, but additional longitudinal studies with larger control groups are needed to understand the clinical importance of these observed changes

Full text article available at: https://mental.jmir.org/2018/2/e25/

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