

Optometry DistList

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Date: 21 April 2018

From: Hasan Minto (h.minto@brienholdenvision.org)

Subject: New guidelines aim to standardize eye care available in schools – Our Children's Vision

Our Children's Vision Standard School Eye Health guideline has been revised based on the input from the leading experts. This breakthrough comes as a direct result of the International Agency for the Prevention of Blindness (IAPB) adopting standardized guidelines for school eye health programs for middle and low income countries. These guidelines aims to standardize the quality of eye care children receive in schools.

The guidelines, originally developed by Our Children's Vision, Brien Holden Vision Institute, Sightsavers International and the London School of Hygiene and Tropical Medicine, will deliver a unified approach to delivering eye care to children attending school.

Child eye health continues to be a significant public health issue that is often overlooked. The adoption of standardized guidelines pushes the Our Children's Vision movement one-step closer to achieving quality eye care for all children. The importance of children seeing clearly at school cannot be underestimated. Improving the vision of schoolchildren significantly contributes to their educational outcomes, and for those in low-income settings it results in an opportunity to break free of intergenerational poverty.

Click here for more information: <https://www.ourchildrensvision.org/blog/item/125-new-guidelines-aim-to-standardise-eye-care-available-in-schools.html>

Date: 23 April 2018

From: Shaik Saaniya Begum (shaiksaaniya97@gmail.com)

Subject: Effect of the rigid gas permeable contact lens use on the endothelial cells in patients with keratoconus

The long term use of contact lens and decrease in oxygen permeability causes morphological change in the endothelial cells which develops polymegathism(difference in size) and pleomorphism(difference in shape).In an healthy individual ,number of cells decreases during the age and endothelial cell density(ECD) decreases rapidly from birth until puberty and stay stable in the age of 20-50 years and then decreases after 60 years.The patients with keratoconus have no other alternative to using spectacles other than contact lenses.So, this study focused on comparing the change in corneal endothelial cells in patients with keratoconus who wear RGP contact lenses and also who do not wear contact lenses with healthy population who had no history of using contact lenses.

In this study, 33 patients with keratoconus who use RGP contact lenses(group 1), 20 patients with keratoconus who do not use contact lenses(group 2) and 40 healthy individuals(group 3)were included.They have considered the patients with both eyes moderate keratoconus(47-52 D) and only right eye was chosen.The patients with ocular trauma or surgeries,corneal scaring and corneal diseases excluding keratoconus were excluded in the study.The patients who used only Zeiss Conflex-air 100 UVK (RGP contact lens) which has high oxygen permeability and UV blockage were taken in the study.The no.of hours of usage of contact lens and years were also recorded.

This study has reported that there was no significant decrease of ECD among the three groups although they have expected it to decrease .It also showed that there is no effect of contact lenses on corneal thickness as it has high oxygen permeability. Previous study had reported that the long term use of conact lens with low oxygen permeability may effect the number, size and shape of endothelial cells but this study has considered high oxygen permeability. In most of the studies , patients with keratoconus who do not use contact lenses were only considered.

Therefore, this study did not show much change in endothelial cells due to contact lens in patients with keratoconus may be because it included only moderate stage of keratoconus whereas several other studies included severe stages of keratoconus and also depends on the material of contact lens which contains high oxygen permeability and UV blockage.

Full text article available here: <http://sci-hub.tw/10.1097/icl.0000000000000483>

Date: 19 April 2018

From: Sneha A (iyers3012@gmail.com)

Subject: FDA allows marketing of IDx-DR artificial intelligence device for diabetic retinopathy detection-Healio primary care optometry news

The FDA has permitted the marketing of IDx-DR, the first artificial intelligence medical device to detect more than a mild level of diabetic retinopathy in adults with diabetes, according to a press release.

IDx-DR (IDx LLC), a software program that uses an artificial intelligence algorithm to analyze images of the eye taken with the Topcon NW400 retinal camera, is the first device authorized for marketing that provides a screening decision without a clinician having to interpret results, the release said.

It provides doctors with two results, either positive for more than mild diabetic retinopathy or negative for more than mild diabetic retinopathy. If a positive result is detected, patients should be referred for further diagnostic evaluation and treatment.

“Early detection of retinopathy is an important part of managing care for the millions of people with diabetes, yet many patients with diabetes are not adequately screened for diabetic retinopathy since about 50% of them do not see their eye doctor on a yearly basis,” Malvina Eydelman, MD, director of the Division of Ophthalmic, and Ear, Nose and Throat Devices at the FDA’s Center for Devices and Radiological Health, said in the release.

<https://www.healio.com/ophthalmology/regulatory-legislative/news/online/%7B41474ac4-1903-46ea-9464-4f448b881b64%7D/fda-allows-marketing-of-idx-dr-artificial-intelligence-device-for-diabetic-retinopathy-detection>

Date: 27 April 2018

From: Alison Ewbank (a.ewbank@iacle.org)

Subject: IACLE announces worldwide winners of annual awards

IACLE has announced the winners of the 2018 IACLE Contact Lens Educator of the Year Awards to recognize and reward achievement in contact lens education, and the 2018 IACLE Travel Awards for members to attend major international meetings.

Four IACLE Contact Lens Educator of the Year awards will be presented, to IACLE members in each of IACLE’s three global regions. This year, for the first time, two educators in the Europe / Africa – Middle East region will jointly receive an award. And three IACLE Travel Awards – funded by all IACLE’s industry sponsors – will be presented, rather than one in previous years.

2018 IACLE Americas Contact Lens Educator of the Year has been awarded to Professor Lyndon Jones, University of Waterloo, Canada, IACLE Asia Pacific Contact Lens Educator of the Year was awarded to Ms Runa Mazumder, Associate Professor, Vidyasagar College of Optometry & Vision Science, Kolkata, India. FIACLEs Wim Borst and Henri Eek are joint winners of the 2018 IACLE Europe / Africa – Middle East Contact Lens Educator of the Year.

Click here for full details:

<https://www.iacle.org/joomla/awards/iacle-contact-lens-educator-of-the-year-awards>

<https://www.iacle.org/joomla/awards/iacle-travel-awards>

Date: 27 April 2018
From: Brien Holden Vision Institute (info@brienholdenvision.org)
Subject: BHVI receives Seffington-Alexander Memorial Award at ICBO

Brien Holden Vision Institute has received the Skeffington-Alexander Memorial Award from the Optometric Extension Program Foundation (OEP) at the International Congress of Behavioural Optometry in Sydney last night.

The recognition, OEP's most prestigious, was awarded for significant contributions to the international growth and development of behavioral vision care. Professor Kovin Naidoo, CEO of Brien Holden Vision Institute, accepted the award at the welcome ceremony of the 8th international congress.

Prof Naidoo said the institute's founder, Professor Brien Holden had been a long-term supporter of behavioural optometry especially the Australasian College of Behavioural Optometrists.

For more information, click here: bit.ly/OEP_ICBO

Date: 30 April 2018
From: Paula Mukherjee (paulaoptom@gmail.com)
Subject: World optometry Day – A report by Optometry Council of India

World optometry Day (WOD) this year was celebrated with multiple events either supported by OCI or done through Optometry colleges on their own. OCI distributed posters to its registered members and to optometry colleges. The poster carried a message of optometrist contributing towards nation's eye health.

OCI also has planned various school screenings during the month of April and May 2018 as part of WOD celebration. The report of all screenings shall be sent once completed. OCI also accredited various educational CME that were conducted as part of WOD celebrations. They have been listed below.

Apart from all the above, various educational events, CME, cultural events, awareness events have been conducted by optometry schools and individuals. This report has summarized all the various activities together.

Click here for complete report: <http://www.optometrycouncilofindia.org/content/world-optometry-day-2018-0>

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