

Optometry DistList

Instance 2018:68

Friday, 10 August 2018

Today's subjects

- Eye drops replace eye glasses soon
- Google AI may reveal health risks through your eyes
- LVPEI Certificate course in Community Eye Health 2018
- Workshop on Diabetic Retinopathy for Optometrists at Jaipur
- GSLS calls for free paper and scientific poster submission
- Job vacancy at C L Gupta Eye Institute, Moradabad

\*\*\*\*\*

Date: 30 June 2018

From: Rakesh ([rakeshm950@gmail.com](mailto:rakeshm950@gmail.com))

Subject: Eye drops replace eye glasses soon

Getting glasses is something of a bittersweet life event. You can now see much better than you previously could, but keeping glasses clean and protecting them at all costs is definitely a bit of a pain. Contacts solved that problem to a degree, but not everyone can wear them and they can have some convenience issues of their own. Now, an innovative new alternative just took its first steps towards becoming reality and it's pretty wild.

Researchers from the Shaare Zedek Medical Center and Bar-Ilan University released a report explaining how a new type of eye drop infused with "nanoparticles" could replace the need for glasses or contacts. It's a bit complicated and requires a brief doctor visit, but it apparently works like a charm.

The three-step process starts with a measurement of the individual's eye refraction, which can be performed with a smartphone. Then, doctors create a very specific laser pattern which is applied to the eye for less than one second. The laser creates tiny grooves in the surface of the cornea. Lastly, special eye drops are applied.

For more details please visit: <https://nypost.com/2018/03/12/these-eye-drops-could-mean-you-never-have-to-wear-glasses-again/>

\*\*\*\*\*

Date: 21 July 2018

From: P. Gouri Pravalitha ([gouripravalitha.p@gmail.com](mailto:gouripravalitha.p@gmail.com))

Subject: Google AI may reveal health risks through your eyes

You visit the ophthalmologist or optometrist to get your vision checked, but sometimes an eye exam reveals much more. Researchers at Google say a new application of artificial intelligence shows whether a patient's eyes point to high blood pressure or risk of a heart attack or stroke.

Using deep learning algorithms trained on data from 284,335 patients, we were able to predict CV risk factors from retinal images with surprisingly high accuracy for patients from two independent datasets of 12,026 and 999 patients. For example, our algorithm could distinguish the retinal images of a smoker from that of a non-smoker 71% of the time. In addition, while doctors can typically distinguish between the retinal images of patients with severe high blood pressure and normal patients, our algorithm could go further to predict the systolic blood pressure within 11 mmHg on average for patients overall, including those with and without high blood pressure.

With these promising results, a lot of scientific work remains. Our dataset had many images labelled with smoking status, systolic blood pressure, age, gender and other variables, but it only had a few hundred examples of CV events.

For full article, please visit: <https://ai.googleblog.com/2018/02/assessing-cardiovascular-risk-factors.html>

\*\*\*\*\*

Date: 26 July 2018

From: Dr Srinivas Marmamula (sri.marmamula@lvpei.org)

Subject: LVPEI Certificate course in Community Eye Health 2018

LV Prasad Eye Institute and a World Health Organization Collaborating Centre for Prevention and Blindness announces Certificate course in Community Eye Health (CCEH) course from 12<sup>th</sup> November 2018.

The four week course will cover the following module. Candidates may also select individual modules based on their need.

**Module 1 (First Week)**

- Introduction to community eye health
- Global initiatives of VISION 2020: The Right to Sight
- Health care systems and social determinants of health

**Module 2 (Second Week)**

- Introduction to Epidemiology & Biostatistics
- Epidemiology of common eye diseases
- Rapid assessment methods in eye care
- Community health need assessment

**Module 3 (Third Week)**

- Comprehensive community eye care and community based rehabilitation
- Eye health communication and advocacy
- Planning, management and evaluation of eye health programs

**Module 4 (Fourth Week)**

- Field visits to the rural eye care centers / Report writing / Presentations

**Who are eligible:** Practicing eye care managers/Administrators in hospitals, Ophthalmologist, Optometrist, working as teaching faculty in optometry schools and professionals who are interested in Community Eye Health will benefit from this course.

For more details, please write to [rohit@lvpei.org](mailto:rohit@lvpei.org) / [sri.marmamula@lvpei.org](mailto:sri.marmamula@lvpei.org)

\*\*\*\*\*

Date: 28 July 2018

From: India Vision Institute ([info@indiavisioninstitute.org](mailto:info@indiavisioninstitute.org))

Subject: Workshop on Diabetic Retinopathy for Optometrists at Jaipur

IVI is pleased to announce a one day "Workshop on Diabetic Retinopathy for Optometrists". The workshop will introduce the concepts of Diabetic Retinopathy and its management to Optometry Practitioners, Educators and Students. It will also orient the participants to categorize cases in Diabetic Retinopathy, latest advancements in Diabetic Retinopathy and much more.

**Facilitators:**

Dr Padmaja Kumari Rani M.S, FRCS, FICO, FNB (Retina) – Vitreo-Retina Consultant, L V Prasad Eye Institute, Hyderabad.

Mr Ugandhar Reddy – Consultant Optometrist,- Smt. Kanuri Santhamma Centre for Vitreo Retinal Diseases, L V Prasad Eye Institute, Hyderabad Workshop

**Date and Time:** Saturday, 18 August 2018, 10.00 AM to 4.30 PM Workshop

**Venue:** ASG Eye Hospitals, Jaipur

**Registration fee:** INR 200 per participant

Pay online followed by filling the registration form. Please visit our website for registration: <https://www.indiavisioninstitute.org/upcoming-programs-view.php?id=17>

**Deadline for Registration: Monday, 13 August 2018**

*"Funding for the Workshop on Diabetic Retinopathy was kindly provided by Optometry Giving Sight in association with ALCON Foundation"*

\*\*\*\*\*

Date: 30 July 2018

From: Contact lens spectrum

Subject: GSLS calls for free paper and scientific poster submission

The Global Specialty Lens Symposium (GSLS) education planning committee invites the submission of abstracts for the presentation of free papers and scientific posters at the GSLS, which will take place in Las Vegas from January 24 - 27, 2019.

**Submission topics should focus on:**

- Specialty Contact Lens topics

- Scleral Lenses, Custom SCL, GP and Hybrid designs
- Presbyopia
- Instrumentation for measuring the ocular surface
- Lens materials
- Lens care solutions
- Practice Management
- Disease Conditions correctable with contact lenses

For rules and guidelines, click here:

<https://www.eiseverywhere.com/docs/8957/2019submissionrules>

\*\*\*\*\*

Date: 07 August 2018

From: Mossab Omer (mossab@clgei.org)

Subject: Optometrist / Optometry faculty vacancy at C L Gupta Eye Institute

**Job Position:** Junior/ Senior/Associate Optometrist & Assistant Professor

**Number of Positions Available:** 02 + 02 (Assistant Professor)

**Eligible Candidates:** Candidates with B.Optomery/M.Optomery with minimum one year of fellowship/residency training program completed are eligible to apply. In absence of fellowship candidates completed internship from reputed institution also can apply. (Fresher's can also apply)

**Job profile:** Staff will actively engage with students to teach several clinical skills, engage in classroom discussion, clarify questions and focus on students who are weak or experience language barriers. In addition, the selected optometrist will also participate in patient care activities as per the institute mandate.

Interested candidates for the above posts can apply with their latest CV and cover letter at [optometryedu@clgei.org](mailto:optometryedu@clgei.org). Interview date will be communicated to short listed candidates subsequently.

For more information regarding C L Gupta Eye Institute please visit [www.clgei.org](http://www.clgei.org)

\*\*\*\*\*

**Note:**

To subscribe to OptDistList, please send an email to [info@indiavisioninstitute.org](mailto:info@indiavisioninstitute.org) with the subject line titled 'SUBSCRIBE'

To unsubscribe from OptDistList, please send an email to [info@indiavisioninstitute.org](mailto:info@indiavisioninstitute.org) with the subject line titled 'UNSUBSCRIBE'.

**Administrivia:**

The OptDistList is a service provided by the India Vision Institute (IVI)

DistList postings are for informational purposes only and do not imply endorsement by IVI

**Instructions for DistList postings:**

IVI invites contributions including latest updates and new developments in Optometry, innovative ideas, optometry job vacancies, conferences, links to interesting articles and other latest happenings.

**All contributions need to be in word format (not more than two to three paragraphs including a title).  
Send in your contributions with your name and contact details to [info@indiavisioninstitute.org](mailto:info@indiavisioninstitute.org)**

**DistList Archives:**

**All instances of the DistList are available (both for browsing by whole items and searching for individual messages): <http://www.indiavisioninstitute.org/optdistlist.php>**

\*\*\*\*\*