

Optometry DistList

Instance 2018:73

Friday, 07 December 2018

Today's subjects

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- Alzheimer's one day may be predicted during eye exam – Science daily
- IVI Young Optometry Researcher Rolling Trophy 2018-19
- Professor Padmaja Sankaridurg named Head of 'Global Myopia Centre'
- 18th Dr EV Memorial Session - Ocular Photography Contest
- Optometrist position available at Swarup eye centre, Hyderabad
- KAP of low vision services in Uttar Pradesh – A survey by Sitapur eye hospital

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Date: 02 September 2018

From: Sushma. N (Mail id:nsushma167@gmail.com)

Subject: A needle in the eye may soon improve the care for blinding glaucoma.

Glaucoma is the eye disease in which there is progression of peripheral vision loss mostly due to increase in pressure of the eye. This could cause blindness if left untreated. It is conventionally treated with eye drops and surgeries to filter the fluid out.

Unfortunately many patients do not like to drip medicine into their eyes. Hence recently most of the research is going on to make the sufferers drop free. To overcome these challenges, PolyActiva has engineered an ocular implant for the treatment of glaucoma. The implant is administered by corneal injection into the anterior chamber of the eye. It starts to deliver a constant daily dose of latanoprost free acid (the active agent of latanoprost) for a period of at least 6-months. The implant is designed to biodegrade as soon as possible after the treatment period and biodegrades into safe and non-toxic by-products, leaving no residue.

It was experimented on a 73 yr old lady. She told that she feels much better as she can skip eye drops. Over the next several years, at least five new products will drive an annual 4.1 percent expansion in glaucoma product sales across major markets through 2026, according to London-based researcher GlobalData Plc.

Article source: <https://www.bloomberg.com/news/articles/2018-08-30/a-needle-in-the-eye-may-soon-improve-care-for-blinding-glaucoma>

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Date: 29 September 2018

From: Jissa James (jissa.james@indiavisioninstitute.org)

Subject: Alzheimer's one day may be predicted during eye exam – Science daily

Researchers at Washington University School of Medicine in St. Louis have found a noninvasive eye exam to screen for Alzheimer's in older patients before symptoms appear.

Significant brain damage from Alzheimer's disease can occur years before any symptoms such as memory loss and cognitive decline appear. Scientists estimate that Alzheimer's-related plaques can build up in the brain two decades before the onset of symptoms, so researchers have been looking for ways to detect the disease sooner.

Physicians use PET scans and lumbar punctures to help diagnose Alzheimer's, but they are expensive and invasive. In previous studies, researchers examining the eyes of people who had died from Alzheimer's have reported that the eyes of such patients showed signs of thinning in the center of the retina and degradation of the optic nerve.

In the new study, the researchers used a noninvasive technique -- called optical coherence tomography angiography. About half of those in the study had elevated levels of the Alzheimer's proteins amyloid or tau as revealed by PET scans or cerebrospinal fluid, suggesting that although they didn't have symptoms, they likely would develop Alzheimer's. In the other subjects, PET scans and cerebrospinal fluid analyses were normal.

Of the patients studied, 17 had abnormal PET scans and/or lumbar punctures, and all of them also had retinal thinning and significant areas without blood vessels in the centers of their retinas. The retinas appeared normal in the patients whose PET scans and lumbar punctures were within the typical range.

More studies in patients are needed to replicate the findings, Van Stavern said, but he noted that if changes detected with this eye test can be used as markers for Alzheimer's risk, it may be possible one day to screen people as young as their 40s or 50s to see whether they are at risk for the disease.

For more information, click here:

<https://www.sciencedaily.com/releases/2018/08/180823140921.htm>

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Date: 16 November

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

Subject: IVI Young Optometry Researcher Rolling Trophy 2018-19

IVI is pleased to announce the IVI Young Optometry Researcher Rolling Trophy for Undergraduate Optometry students in India for the year 2018-19.

The yearly award aims to improve the research capacity of optometry institutions by developing research interest among undergraduate optometry students. The award will recognize the winning institution and its student researcher for the best research proposal initiated as part of the course requirement

Institutions will nominate the best project undertaken among the currently enrolled students of Bachelors in Optometry. Only one nomination from each institution will be accepted. Multiple entries from the same school will not be entertained. The winner will receive the **IVI Researcher Award** and the **Rolling Trophy** will be sent to their school

**The last date of Application submission:** Friday, 14 December 2018

Applications are welcome!

For further details, please visit the link below: <https://www.indiavisioninstitute.org/upcoming-programs-view.php?id=29>

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Date: 21 November 2018

From: Brien Holden Vision Institute

Subject: Professor Padmaja Sankaridurg named Head of 'Global Myopia Centre'

Leading international myopia researcher, Professor Padmaja Sankaridurg has been appointed Head of the 'Global Myopia Centre' by the Brien Holden Vision Institute.

Under Prof Sankaridurg's leadership and overarching global perspective, the Global Myopia Centre aims to bring expertise and resources in myopia research, training and global advocacy onto one platform to equip and provide resources for vision scientists and eye care professionals to manage the impending escalation in myopia. The platform hosts several online tools for myopia management, information and resources such as global prevalence data and the popular Myopia Education Program.

Currently Prof Sankaridurg is Head of the Myopia Program at Brien Holden Vision Institute. She was previously Leader of the Vision CRC Myopia Program, a 12-year global collaboration to develop optical products to manage myopia, involving several partners.

Find out more at: [www.globalmyopiacentre.org](http://www.globalmyopiacentre.org)

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Date: 29 November

From: EV memorial organizing team (events1@snmail.org)

Subject: 18th Dr EV Memorial Session - Ocular Photography Contest

The 18th Dr. E Vaithilingam Memorial Scientific Session - Ocular Photography contest is around the corner.

Submit an interesting case picture (less than 5mb in .jpeg format) with a title and a short description in the contests tab by logging in from the EV memorial website.

**Deadline for submission:** 31 December 2018

For more information, please visit: [http://www.eso.sankaranethralaya.org/drev\\_2019/index.html](http://www.eso.sankaranethralaya.org/drev_2019/index.html)

For queries, write to: [evmemorial@snmail.org](mailto:evmemorial@snmail.org) | Contact: 044 22349269

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Date: 04 December 2018  
From: Indira Priyadharshini ([indira@swarupeye.org](mailto:indira@swarupeye.org))  
Subject: Optometrist position available at Swarup eye centre, Hyderabad

Optometrist position vacant at Swarup eye centre, Hyderabad.

**Job Position:** Senior Optometrist  
**Minimum experience:** 4 years of clinical experience  
**Job profile:** The optometrist should be able to handle diagnostics, dispense contact lenses and manage the outpatient department.

Interested candidates can send their curriculum vitae to:  
[info@swarupeye.org](mailto:info@swarupeye.org)/[indira@swarupeye.org](mailto:indira@swarupeye.org) or contact at 9160403188  
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Date: 05 December 2018  
From: Unnati Vaish ([unnativaish@gmail.com](mailto:unnativaish@gmail.com))  
Subject: KAP of low vision services in Uttar Pradesh – A survey by Sitapur eye hospital

Low vision is a major problem with many people experiencing difficulty in the quality of life because of the visual impairment. Patients with serious sight loss have some residual working vision. Appropriate low vision support might help them to use the residual vision to prevent from economic blindness. Due to poor referral by eye care providers, many people live in significantly compromised life by the time they reach the low vision service especially in Uttar Pradesh, India.

We from Sitapur Eye Hospital, would like to conduct a survey to assess the knowledge, attitude and practice of low vision services in UP. This will help us to formulate a training program for eye care practitioners on provision of low vision services. Also with the support of qualitative eye care services and strategies planning we can help in domiciliary care as well as up gradation of low vision services at Sitapur Eye Hospital.

We request you to take part in the survey by clicking the below link

<https://goo.gl/forms/RrL7xYlkuqLlr28D3>

Please submit this form before **28 February 2019**.

For any questions about this survey, please contact Ms Unnati Vaish at [unnativaish@gmail.com](mailto:unnativaish@gmail.com)

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