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## Don't Sweat the Blown Pupil: Anisocoria in Patients Using Qbrexza.

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**HUMAN SUBJECTS:** Human subjects were included in this study. This retrospective study was conducted in accordance with the Declaration of Helsinki. Each study obtained its own ethics approval, and the approval for the pooled analysis was obtained by the SingHealth Centralized Institutional Review Board. All participants in studies gave written informed consent. In the INDEYE study, illiterate participants signified assent by a witnessed thumbprint.

No animal subjects were used in this study.

**Author Contributions:**

Conception and design: Rim, Kawasaki, Tham, Wong, Jonas, Chakravarthy, Cheng, Yanagi

Data collection: Rim, Kawasaki, Tham, Kang, Ruamviboonsuk, Bikbov, Miyake, Hao, Fletcher, Sasaki, Nangia, Sabanayagam, Yu, Fujiwara, Thapa, Wong, Chen, Kuang, Yamashita, Sundaresan, Chan, van Rens, Sonoda, Wang, Panda-Jonas, Harada, Kim, Ganesan, Raman, Yamashiro, Gilmanshin, Jenchitr, Park, Cheung, Wong, Jonas, Chakravarthy, Cheng, Yanagi

Analysis and interpretation: Rim, Kawasaki, Tham, Kang, Ruamviboonsuk, Bikbov, Miyake, Hao, Fletcher, Sasaki, Nangia, Sabanayagam, Yu, Fujiwara, Thapa, Wong, Chen, Kuang, Yamashita, Sundaresan, Chan, van Rens, Sonoda, Wang, Panda-Jonas, Harada, Kim, Ganesan, Raman, Yamashiro, Gilmanshin, Jenchitr, Park, Cheung, Wong, Jonas, Chakravarthy, Cheng, Yanagi

Obtained funding: Wong, Cheng

Overall responsibility: Rim, Kawasaki, Tham, Wong, Jonas, Chakravarthy, Cheng, Yanagi

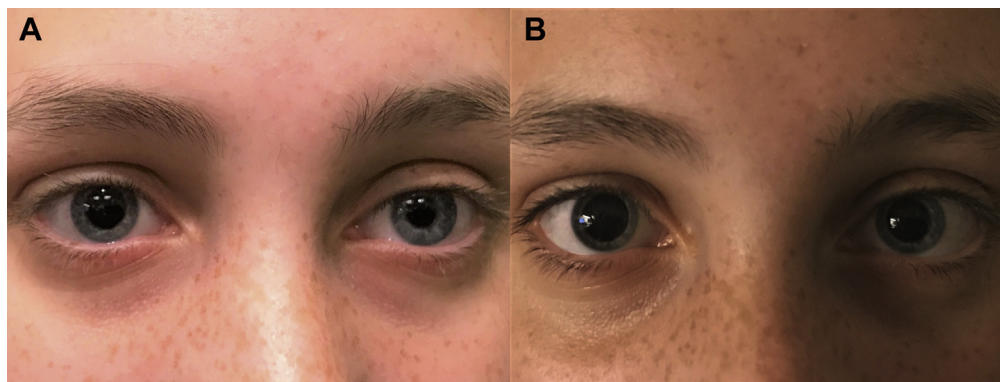
**Abbreviations and Acronyms:**

**AEEC** = Asian Eye Epidemiology Consortium; **AMD** = age-related macular degeneration; **CI** = confidence interval; **GA** = geographic atrophy; **KNHANES** = Korea National Health and Nutrition Examination Survey; **OR** = odds ratio; **RPE** = retinal pigment epithelium; **SN-RAM Study** = Sankara Nethralaya: Rural-Urban Age-Related Macular Degeneration Study; **WARMGS** = Wisconsin Age-Related Maculopathy Grading System.

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## Pictures & Perspectives



### Don't Sweat the Blown Pupil: Anisocoria in Patients Using Qbrexza

This pediatric patient presented with anisocoria greater in bright light (**A**, bright settings; **B**, dim settings) and subsequently underwent neuroimaging, which was negative. The mydriasis was eventually attributed to the newly Food & Drug Administration–approved medicated cloth glycopyrronium tosylate (Qbrexza, Dermira, Eli Lilly and Co, Menlo Park, CA). This synthetic anticholinergic agent is applied to underarms to treat hyperhidrosis. Inadvertent contact with the ocular structures can cause mydriasis and blurred vision. A thorough history asking specifically about cloth wipes such as Qbrexza for patients presenting with unilateral mydriasis in the absence of extraocular motor deficits may prevent unnecessary medical costs, neuroimaging, and risk, as well as avoid considerable fear and anxiety for our patients. (Magnified version of Fig A-B is available online at [www.aaojournal.org](http://www.aaojournal.org).)

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