Anterior segment parameters tied to gonioscopic angle closure

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(HealthDay)—Baseline anterior segment parameters are associated with

development of incident gonioscopic angle closure after four years, according to a study published online Feb. 9 in *JAMA Ophthalmology*.

Monisha E. Nongpiur, M.D., Ph.D., from the Singapore Eye Research Institute, and colleagues recruited 342 participants aged 50 years or older to a prospective observational study. At baseline and after four years, participants underwent gonioscopy and anterior segment optical coherence tomography imaging.

The researchers found that 14.3 percent of participants developed gonioscopic angle closure after four years. These participants had a smaller baseline angle opening distance at 750 µm (AOD750), trabecular iris surface area at 750 µm, anterior chamber area, and anterior chamber volume (all P

"These findings suggest that smaller AOD750 and larger LV measurements are associated with the development of incident gonioscopic angle closure after four years among participants with gonioscopically open angles at baseline," the authors write.

More information: Full Text