

# Central corneal thickness influenced by body position

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(HealthDay)—Central corneal thickness (CCT) is influenced by body

position, with a decrease noted in the first 30 minutes of supine positioning, according to a study published online March 14 in *Clinical & Experimental Ophthalmology*.

Jessica S. Maslin, M.D., from the Yale University School of Medicine in New Haven, Conn., and colleagues conducted a cross-sectional study involving 23 [patients](#) with open-angle [glaucoma](#) and 23 healthy subjects. The authors measured CCT using an ultrasound pachymeter in each subject. Three consecutive measurements were taken in each eye in the sitting position, and in a supine position after 10 and 30 minutes.

The researchers found that CCT decreased with supine positioning at 10 and 30 minutes in healthy subjects (mean =  $-5.2 \mu\text{m}$  [P = 0.0043] and  $-6.5 \mu\text{m}$  [P

"CCT is a dynamic measurement that can be influenced by [body position](#)," the authors write. "It decreases linearly in the first 30 minutes of supine positioning at a similar rate in both open-angle glaucoma patients and in healthy subjects."

**More information:** [Abstract](#)  
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