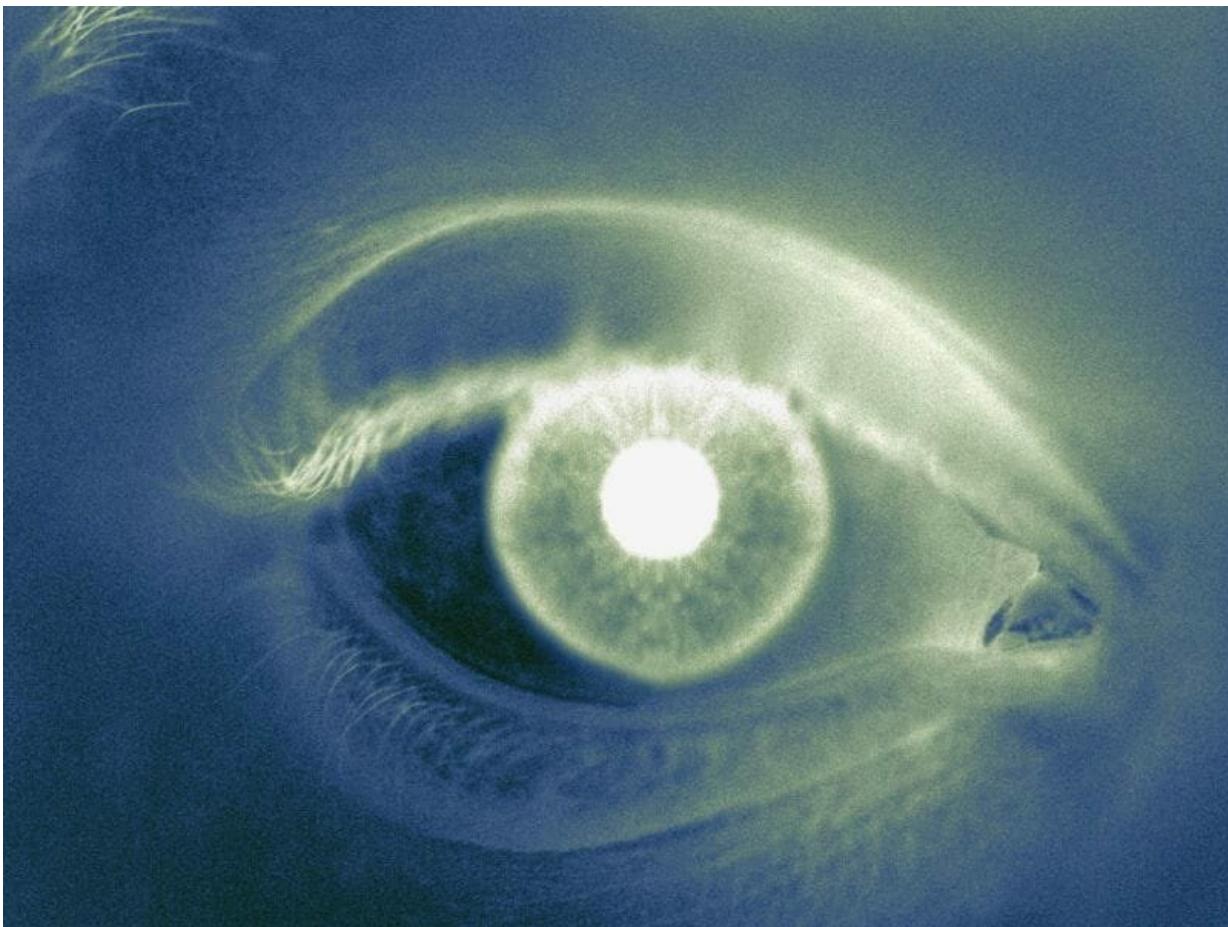


# **Statin therapy reduces risk for diabetic retinopathy in T2DM**

January 11 2019

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(HealthDay)—For Taiwanese patients with type 2 diabetes and

dyslipidemia, statin therapy is associated with a reduced risk for diabetic retinopathy, according to a study published online Jan. 10 in *JAMA Ophthalmology*.

Eugene Yu-Chuan Kang, M.D., from the Chang Gung Memorial Hospital in Taoyuan, Taiwan, and colleagues examined the correlation between [statin therapy](#) and development of diabetic retinopathy in patients with diabetes and dyslipidemia. After [propensity score](#) matching, 18,947 patients were included in the statin and nonstatin groups.

The researchers found that 10.6 and 12.0 percent of patients in the statin and nonstatin groups, respectively, developed diabetic retinopathy. Compared with the nonstatin group, the statin group had significantly lower rates of diabetic retinopathy, nonproliferative diabetic retinopathy, proliferative diabetic retinopathy, vitreous hemorrhage, tractional retinal detachment, and [macular edema](#) (hazard ratios, 0.86, 0.92, 0.64, 0.62, 0.61, and 0.60, respectively); they also had lower rates of interventions such as retinal laser treatment, intravitreal injection, and vitrectomy (hazard ratios, 0.71, 0.74, and 0.58, respectively) and underwent a smaller number of these interventions (rate ratios, 0.61, 0.68, and 0.54, respectively). A correlation was also noted for statin therapy with reduced risks for major adverse cardiovascular events, new-onset diabetic neuropathy, and new-onset diabetic foot ulcers (hazard ratio, 0.81, 0.85, and 0.73, respectively).

"These results suggest that statins are associated with a decreased prevalence of diabetic retinopathy and may decrease the progression of [diabetic retinopathy](#) in patients with type 2 diabetes and dyslipidemia," the authors write.

**More information:** [Abstract/Full Text \(subscription or payment may be required\)](#)

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