



Hyperopic refractive surgery: a different story than myopes

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Hyperopes heal differently than myopes. Myopes typically have good distance vision postop, but it may regress during the first 6 months in some patients, at which point they may be considered for enhancement. Hyperopes, on the other hand, start with mild myopia postop and may require glasses for driving. Many hyperopes, however, are not bothered by their postop myopia – they can see small things up close that they haven't been able to see for a long time. As their eyes heal, they typically regress toward plano and start needing reading glasses if they are presbyopic. Hyperopes stabilize between 6 months and a year. We perform enhancements, if necessary, close to a year postop.

We can correct up to +6.00D hyperopia with up to -5.00D astigmatism. Instead of flattening the cornea, the laser steepens it. This creates a different interaction between the residual stroma and the flap. With myopic treatments, the vision stabilizes after 3 months and 20/20 can be achieved the following day. Hyperopic treatments, however, can take 6 months to stabilize and the vision can take 2-3 months to improve to 20/20. Even though it takes longer for hyperopes to stabilize, they tolerate mild postoperative refractive error more than myopes.

Unlike myopes, hyperopes typically have strong accommodative amplitudes. If the patient ends up a bit near-sighted, a cycloplegic refraction is a MUST to rule out accommodation. If accommodative spasm is detected, vision therapy can help improve the distance vision. The enhancement rate is higher for hyperopic corrections than it is for myopes due to the shape of the ablation.

Properly counseling the patients before surgery can lay the groundwork for a better recovery. I explain to the patient that the distance vision will be blurry at first and they should only do what is within their own comfort level. Distance vision tasks should be possible, but more difficult to do. If the patient is having difficulty, a pair of temporary distance glasses can be used as long as they know that the prescription will change a good amount during the first 1-2 months. A slightly undercorrected prescription may last them longer. If the patient is presbyopic, I warn them not to get spoiled by the good near vision in the first months since it will only be temporary. I then add that reading without glasses will ultimately be a bit better than it was before the surgery because we're treating the far-sightedness. It's like reading through their distance prescription.

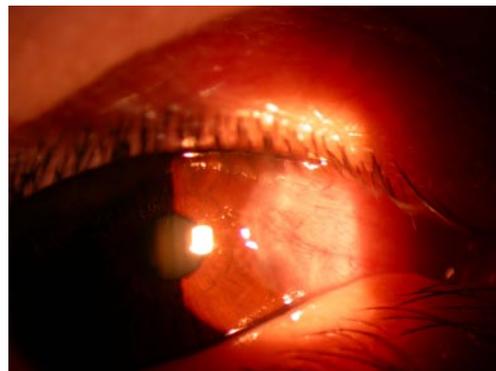
Hyperopes can be just as happy as the myopes after LASIK as long as they are patient patients. ■



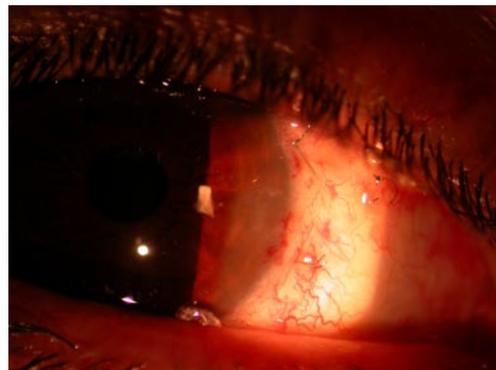
Surgery for Pterygium: indications, results, postop care

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Pterygia are rarely asymptomatic. Their appearance bothers patients. They often cause irritation and difficulty with contact lens wear. They may induce astigmatism and frequently become inflamed with the slightest provocation. Patients often seek a definitive solution and, fortunately, we can offer it to them.



Pterygium before excision



Pterygium after excision with conjunctival autograft and limbal stem cell restoration. Few small sutures are still present. They are removed at two weeks postoperatively.

