

Latest laser surgery to sharpen vision

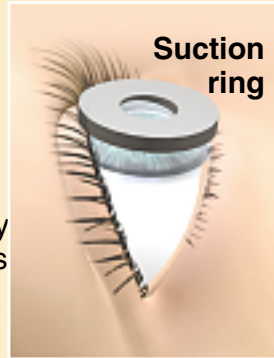
New technology is changing how laser eye surgery – known as “lasik” – is performed.

How the surgery is done

1 Numbing drops are put in eye; eyelids are taped or clamped open

2 Suction ring stabilizes eye and temporarily blocks patient’s vision

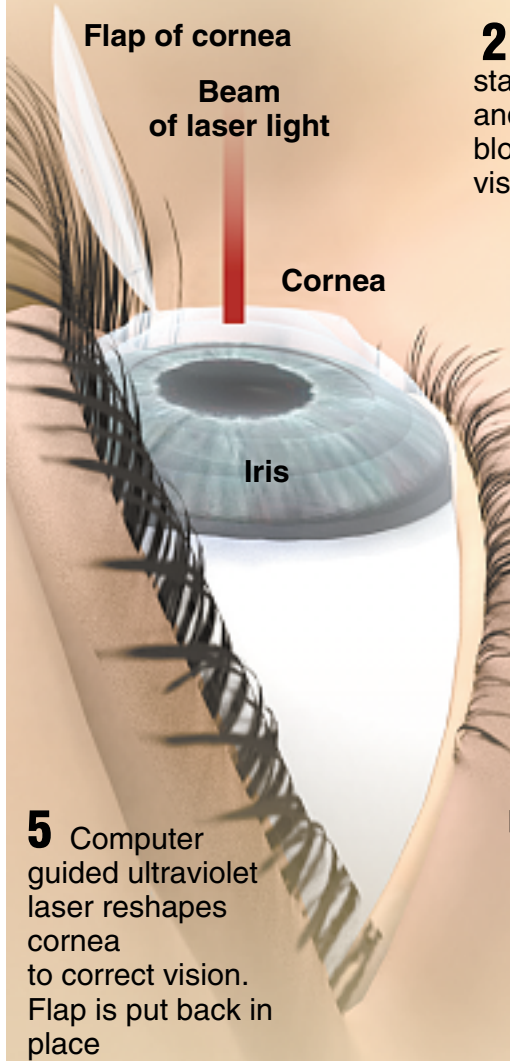
Suction ring



Flap of cornea
Beam of laser light

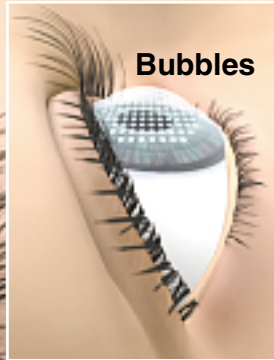
Cornea

Iris



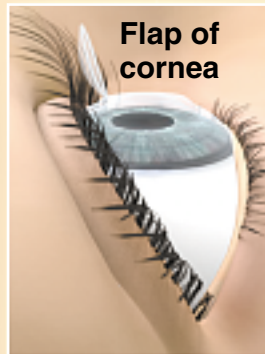
Bubbles

3 Laser pulses create bubbles in cornea, loosen a flap



Flap of cornea

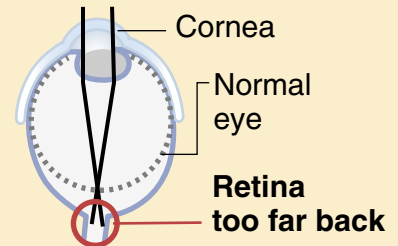
4 Flap is peeled back



5 Computer guided ultraviolet laser reshapes cornea to correct vision. Flap is put back in place

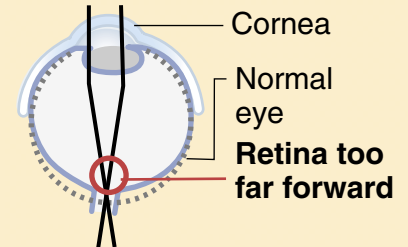
Used for these problems

Myopia (nearsightedness)



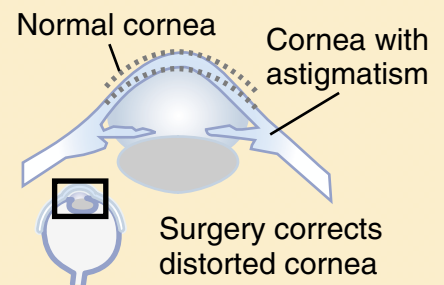
Surgery flattens cornea; corrects focus

Hyperopia (farsightedness)



Surgery increases curvature of cornea, corrects focus

Astigmatism



Vision after Lasik surgery

Procedure takes 15-25 minutes for both eyes; healing takes two to four weeks

Some patients see colored prisms or a halo of glare around lights, making night driving difficult



Prisms

Glare

