



## Visual cortex training may enhance premium IOL results

KAANAPALI, Hawaii — A computer-based [visual cortex training system](#) may be able to improve visual results in premium IOL patients, according to results of a pilot study reported here.

At [Hawaiian Eye 2011](#), Jeffrey D. Horn, MD, reported that of 62 eyes undergoing neural vision training (RevitalVision) over a 3-month period after premium IOL implantation, distance vision improved 1.2 lines and near vision improved 0.7 lines. Both improvements were statistically significant ( $P < .05$ ), Dr. Horn said.

Contrast sensitivity improved 172% for distance vision and 101% for near, he said.

At 1 month postop, uncorrected visual acuity and contrast sensitivity measurements were taken for both near and far distances. The patients then underwent visual cortical training sessions over a 2-month period, after which visual acuity and contrast sensitivity were again measured.

"Pilot data are encouraging for improvement in visual acuity and contrast sensitivity after IOL implantation," Dr. Horn said.

- Disclosure: Dr. Horn is a paid consultant for RevitalVision.