

Table C-14. Visual field results in RPS studies

Study	Outcomes	Comparator	Post Implantation Visual Field	Change
Rizzo et al. 2014 ³¹ Argus II	Goldmann visual field was tested in the operated eye with the device switched OFF	Pre-implantation	Post-implantation	Improved in all patients
Chow et al. 2004 ^{40,41} ASR	Visual field measurements: Humphrey visual field analyzer II was conducted using III and V white static spot sizes in 30-2 (30-degree radius) and 60-4 (30- to 60-degree radius) protocols as well as a custom protocol with a 30-degree radius and a 4-degree spot separation.	Central Humphrey visual field: Patients 1 through 4: No consistent response to size V white static target Patients 5 and 6: Consistently positively responded to size V white static target	Patient 1 through 4 and patient 6: No improvement Patient 5: Demonstrated improved central and paracentral visual fields (30-2) in the right eye on multiple tests	1/6 improved but authors indicate this test was not applicable for 5 patients
Chow et al. 2004 ^{40,41} ASR	Because Humphrey visual field is limited by the brightness of the instrument target, visual field light threshold testing was conducted in 9 visual field sectors (9 sector test) in a 3x3 grid with less than 0.1 foot-candle of background room illumination.	Patient1: Unoperated eye Patient 2: Subjective visual field was bare to no LP in study eye Patient 3: Unoperated eye	Patient1: Threshold sensitivity improved by 1,000% to 1,500% in all sectors Patient 2: Consistent LP in multiple sectors of the operated eye Patient 3: Threshold sensitivity in right-middle, right-lower, and middle-lower sectors improved by approximately 5,000% to 10,000%	3/6 improved, authors indicate this test was not applicable to the other 3 patients.
Chow et al. 2004 ^{40,41} ASR	Subjective visual field	NR	Patients 2 through 5 indicated perception of light sensation to infrared light in the projected visual field of the implant during testing	4/6

ASR=Artificial Silicon Retina; LP=light perception; NR=not reported