

R1 R2 R3 PG0 PG1 Estagiário Tecnólogo
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Service (sector) Contact lenses - Refractive Surgery N° CEP

Responsiveness of the National Eye Institute Refractive Error Quality of Life (NEI-RQL) to refractive surgery

Authors: Larissa Madeira Nunes, Paulo Schor Purpose: To evaluate the responsiveness of the National Eye Institute Refractive Error Quality of Life (NEI-RQL) instrument to surgical correction of refractive error. Methods: In this prospective study, the NEI-RQL, a 42-item questionnaire with 13 scales, was self-administered by 96 patients before and after undergoing surgical correction of refractive error. Differences between preoperative and postoperative NEI-RQL scores were examined. Responsiveness was assessed by calculating the effect size for each scale of the instrument. Results: Refractive surgery was associated with statistically significant improvements in scores for all the scales of the NEI-RQL. The largest improvements were seen in the scales: "expectations", "dependence on correction", "appearance", "activity limitations", "satisfaction with correction", "worry" and the overall scale. The effect sizes calculated ranged from 0,4 (glare) to 4,19 (expectations).

Conclusions: The NEI-RQL is highly responsive to changes in vision-related quality of life resulting from keratorefractive surgery.