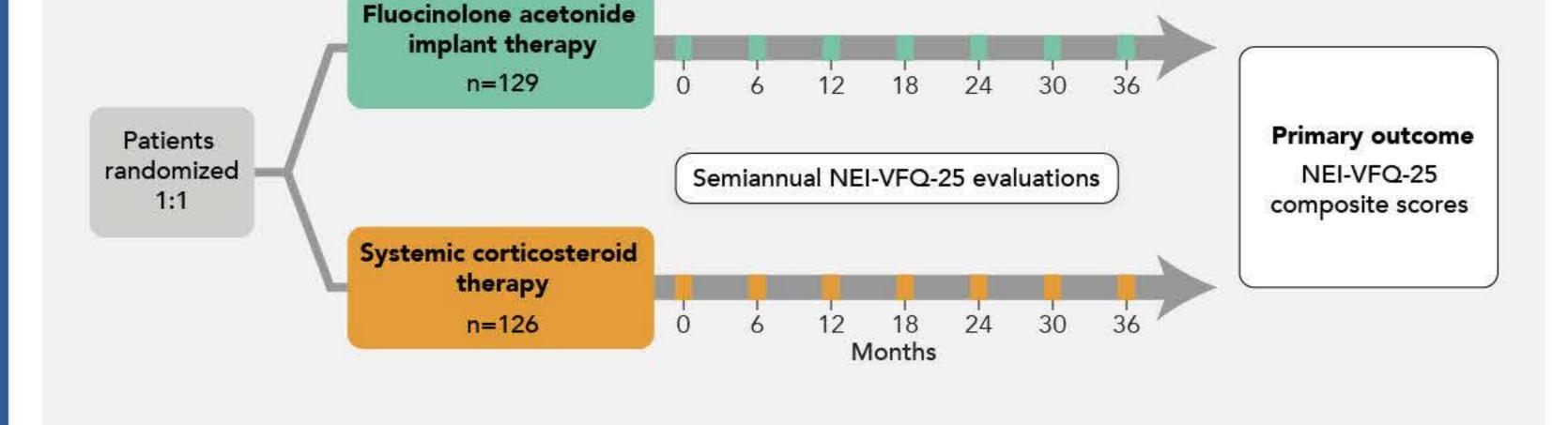
Longitudinal Vision-Related Quality of Life for Patients with Noninfectious Uveitis Treated with Fluocinolone Acetonide Implant or Systemic Corticosteroid Therapy

Sugar EA, Venugopal V, Thorne JE, et al. Ophthalmology. 2017;124:1662-1669. doi:10.1016/j.ophtha.2017.05.015

Uveitis impacts multiple aspects of visual function, and is associated with complications that may result in loss of visual acuity. With increasing emphasis on patient-reported outcomes in clinical trials and the multifaceted impact of uveitis on visual function, the 25-item National Eye Institute Visual Function Questionnaire (NEI-VFQ-25) may play a key role in evaluating the progression of disease as well as in comparing therapies. This analysis examined the longitudinal vision-related quality of life (VRQoOL) in patients with noninfectious uveitis treated with either steroid implant or systemic steroid \pm immunosuppressive therapy using NEI-VFQ-25 composite scores.



Participants were patients with uveitis (active or recently active intermediate uveitis, posterior uveitis or panuveitis) enrolled in the Multicenter Steroid Treatment (MUST) Trial and Follow-up Study.

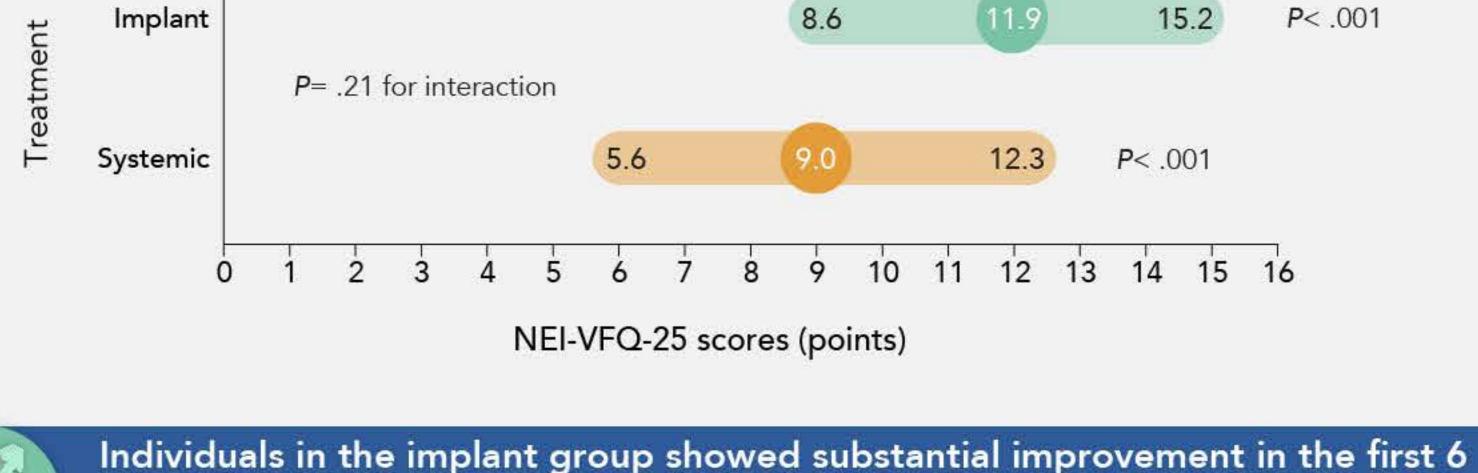




after 3 years of follow-up.

Both treatment groups showed similar improvement in NEI-VFQ-25

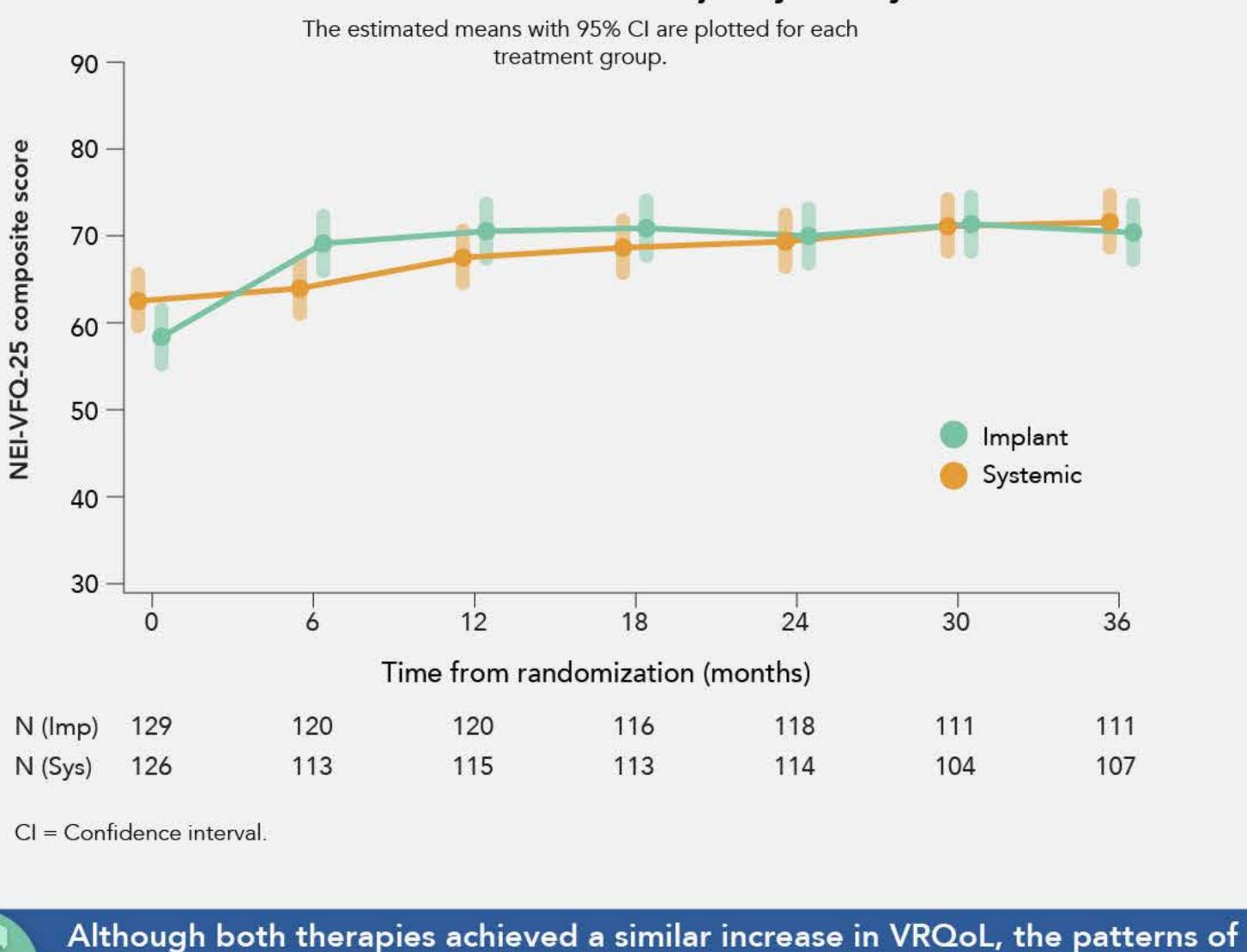
NEI-VFQ-25 score improvement after 3 years of follow-up





steady improvement over the course of follow-up. Estimated means of NEI-VFQ-25 trajectory over 3 years

months followed by stable scores, while those in the systemic group showed



The overall pattern of initial improvement in NEI-VFQ-25 composite scores was similar

trajectories include:



Patients likely had higher expectations and enthusiasm for the more novel implant

Patients in the systemic arm were able to achieve stable therapeutic doses with low

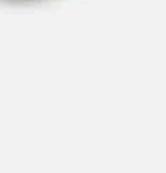
side-effect profiles and maintain good visual acuity, which likely contributed to the

therapy, as it had the potential to replace systemic corticosteroids and immunotherapy.

improvement differed substantially. Factors likely related to different



NEI-VFQ-25 composite score for both implant and systemic treatment arms.



Visua

Wors

2

Implant

Systemic

score at randomization* (points, 95% CI) Percent at randomization (%)

34%

27%

Estimated mean difference in NEI-VFQ-25

-10.16

P< .001

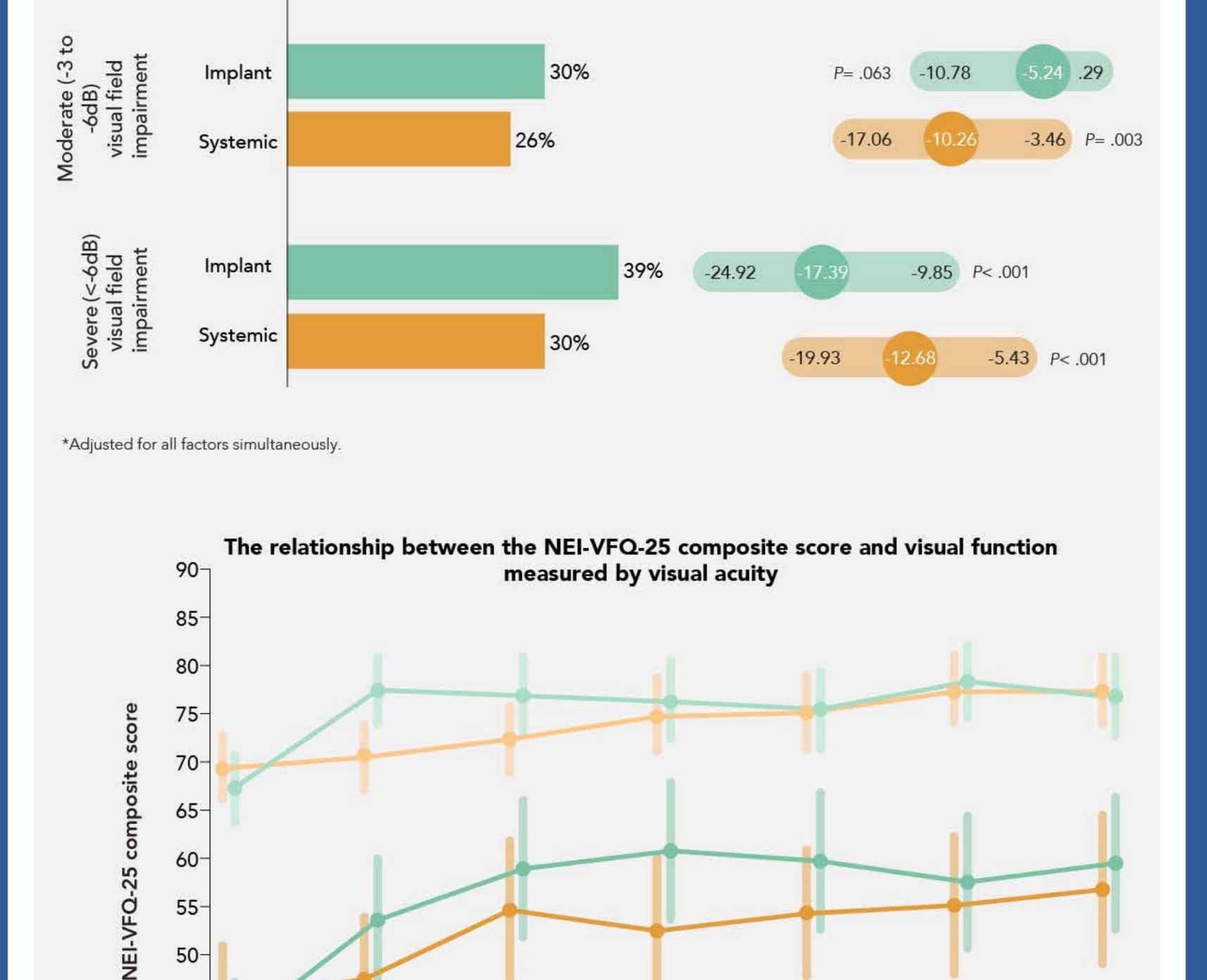
P< .001

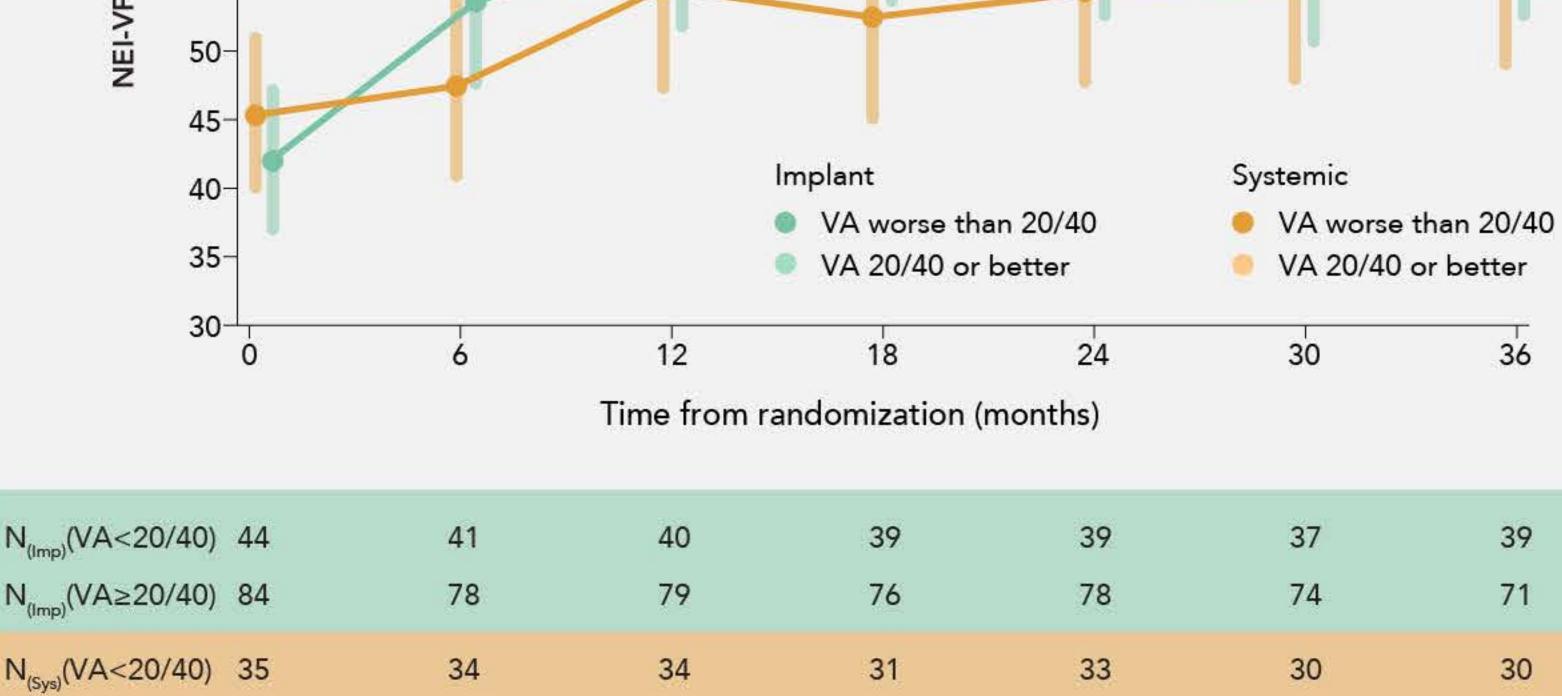
14.95

17.61

-21.83

-25.05





60-

55-

N_(Svs)(VA≥20/40) 91 81 79 81 82 74 77 Conclusions Over the course of the 3-year follow-up, both implant and systemic treatment groups showed significant improvements in NEI-VFQ-25 scores. The score improvement was immediate for the implant group as opposed to gradual for the systemic group. While individuals who started with poorer visual function in

general were unable to achieve levels of NEI-VFQ-25 scores similar to those who

started with good values, those who started with poor visual acuity in the implant

group were able to overcome their initial deficits by the end of 3 years.