Randomized Comparison of Systemic Anti-inflammatory Therapy Versus Fluocinolone Acetonide Implant for Intermediate, Posterior and Panuveitis:

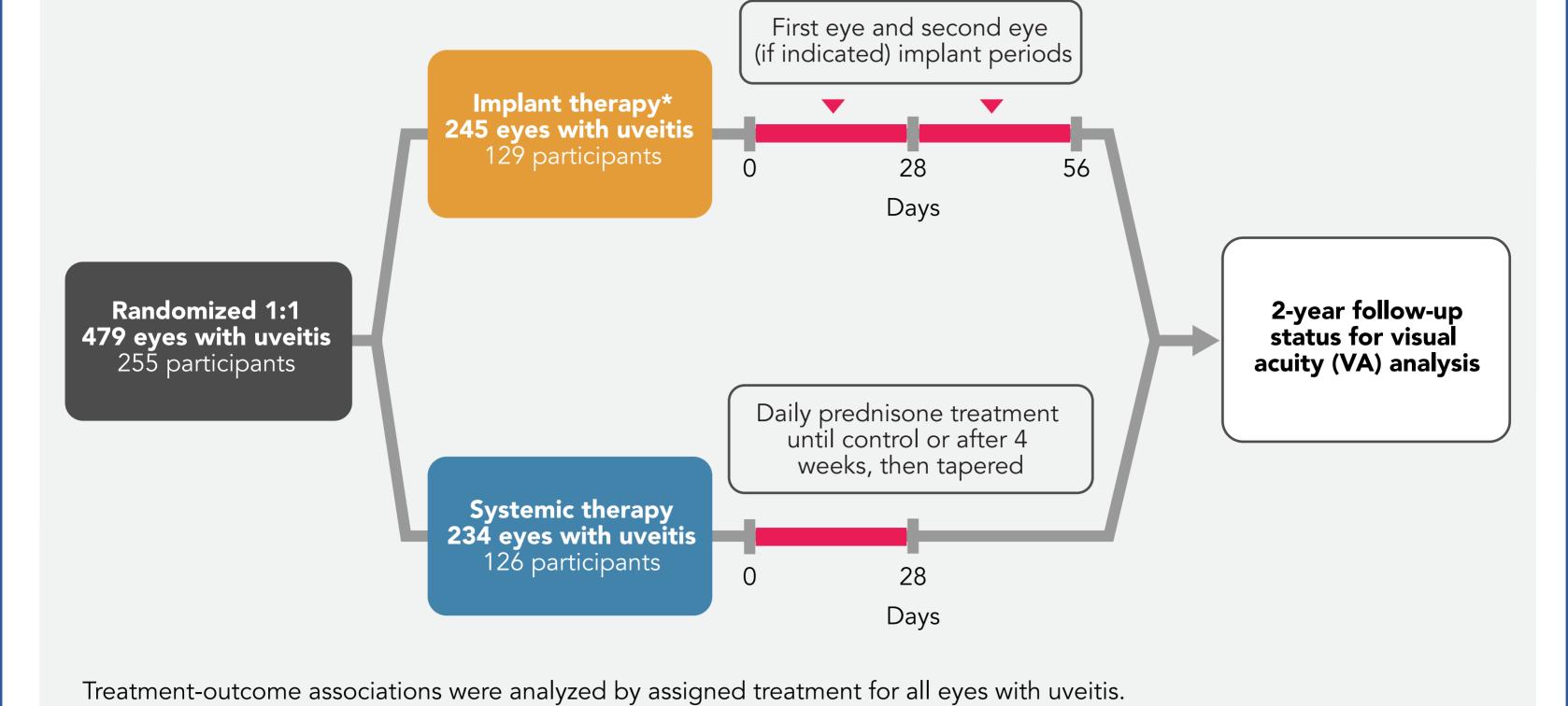
The Multicenter Uveitis Steroid Treatment Trial

The Multicenter Uveitis Steroid Treatment (MUST) Trial Research Group, Kempen JH, Altaweel MM, et al. Ophthalmology. 2011;118(10):1916-1926.

doi:10.1016/j.ophtha.2011.07.027 Uveitis (intraocular inflammation) is an important cause of visual impairment. Intermediate, posterior, and panuveitis are the forms most likely to cause vision loss. Systemic corticosteroids (supplemented by corticosteroid-sparing immunosuppresive drugs when indicated) have been the mainstay of treatment for chronic, vision-threatening cases of uveitis. Relative effectiveness and risks of alternative treatments, such as a surgically-placed intravitreal acetonide implant, require further characterization. This trial compares the relative effectiveness of systemic corticosteroids plus immunosuppression when indicated (systemic therapy) versus fluocinolone acetonide implant (implant therapy) for non-infectious intermediate, posterior or panuveitis (uveitis).



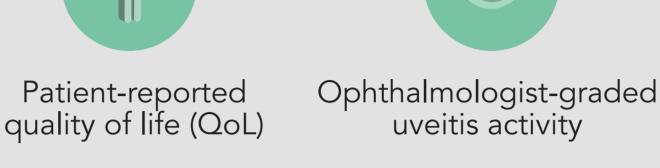
The Multicenter Uveitis Steroid Treatment (MUST) Trial is a randomized, partially masked, 23-center parallel treatment comparative effectiveness superiority trial to evaluate changes from baseline over 24 months.



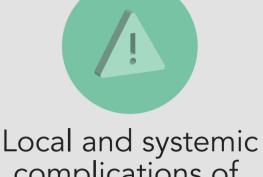
Primary outcome Secondary outcome

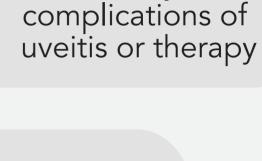
*Implant-assigned participants with bilateral uveitis were assigned to have each eye that warranted study treatment implanted.

Change in best-corrected visual acuity from baseline

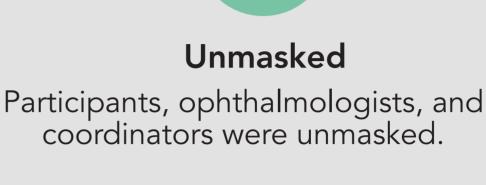


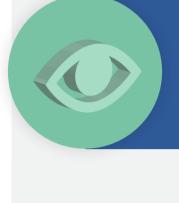








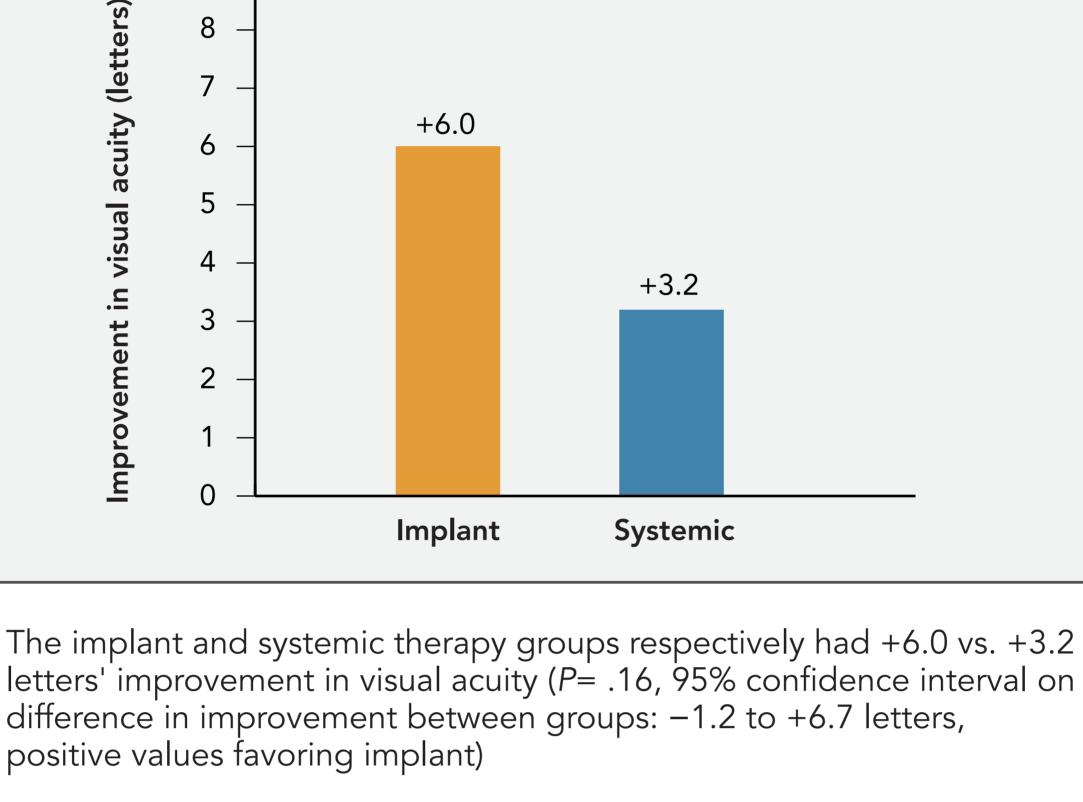




Change in visual acuity over 24 months 8

Best-corrected visual acuity improved in both treatment groups over 24

months, with no statistically significant difference between the groups.



At 24 months, implant therapy was associated with small improvements in vision-related and general quality of life compared with systemic therapy.

P = .043

10

80

60

20

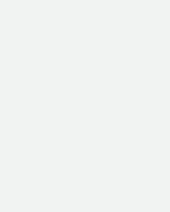
0

80

 $0^{\dagger \ddagger}$

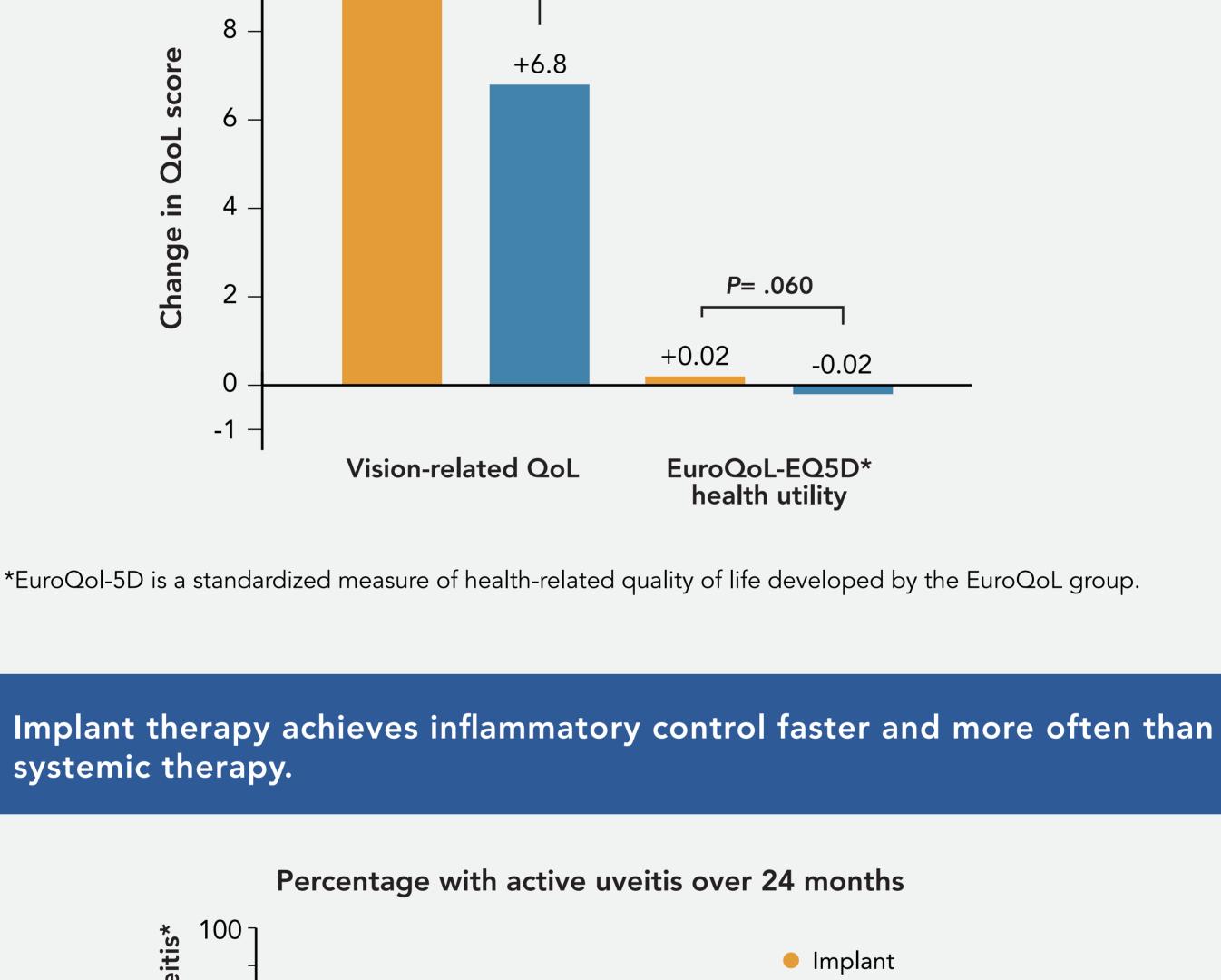
3

6



12 -+11.4 Implant Systemic

Change in QoL over 24 months



Percentage with active uveitis* 40

12[‡]

15

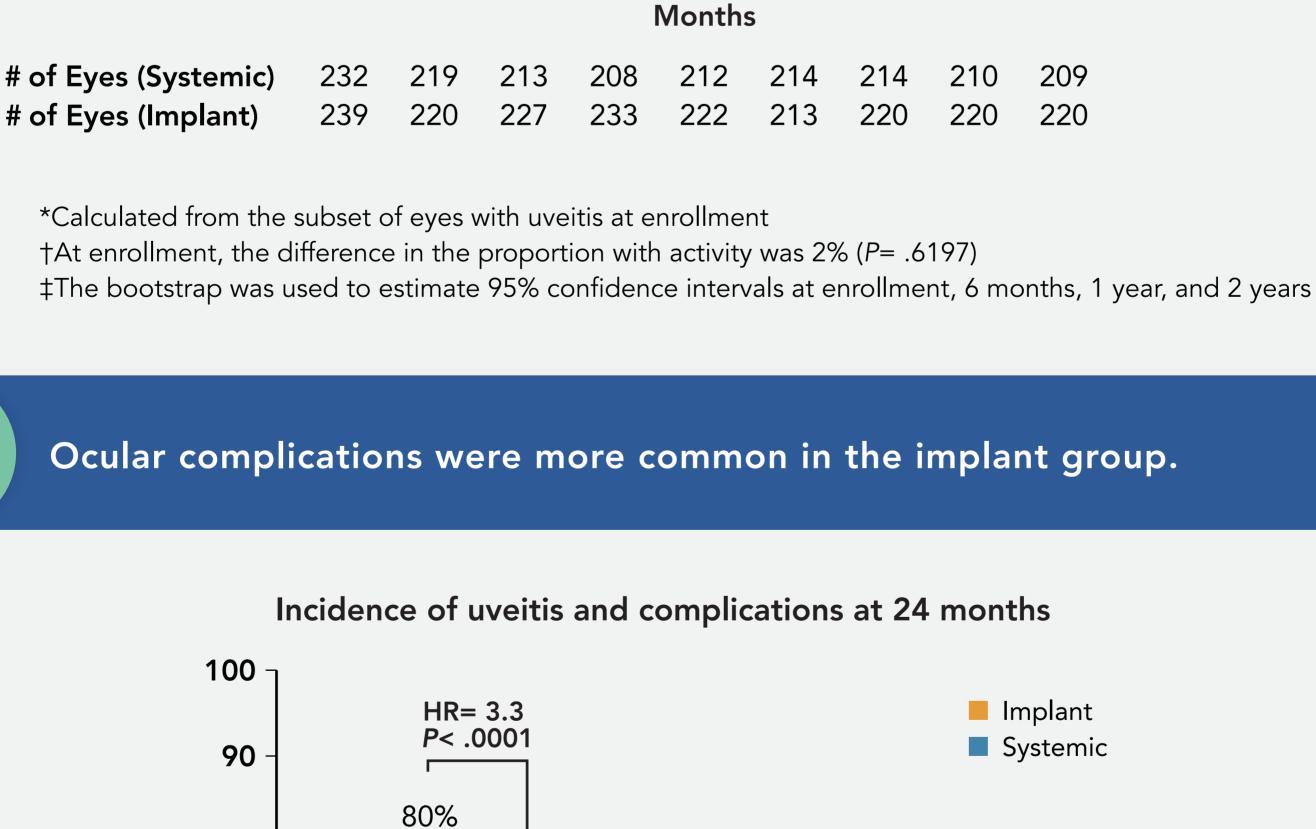
9

Systemic

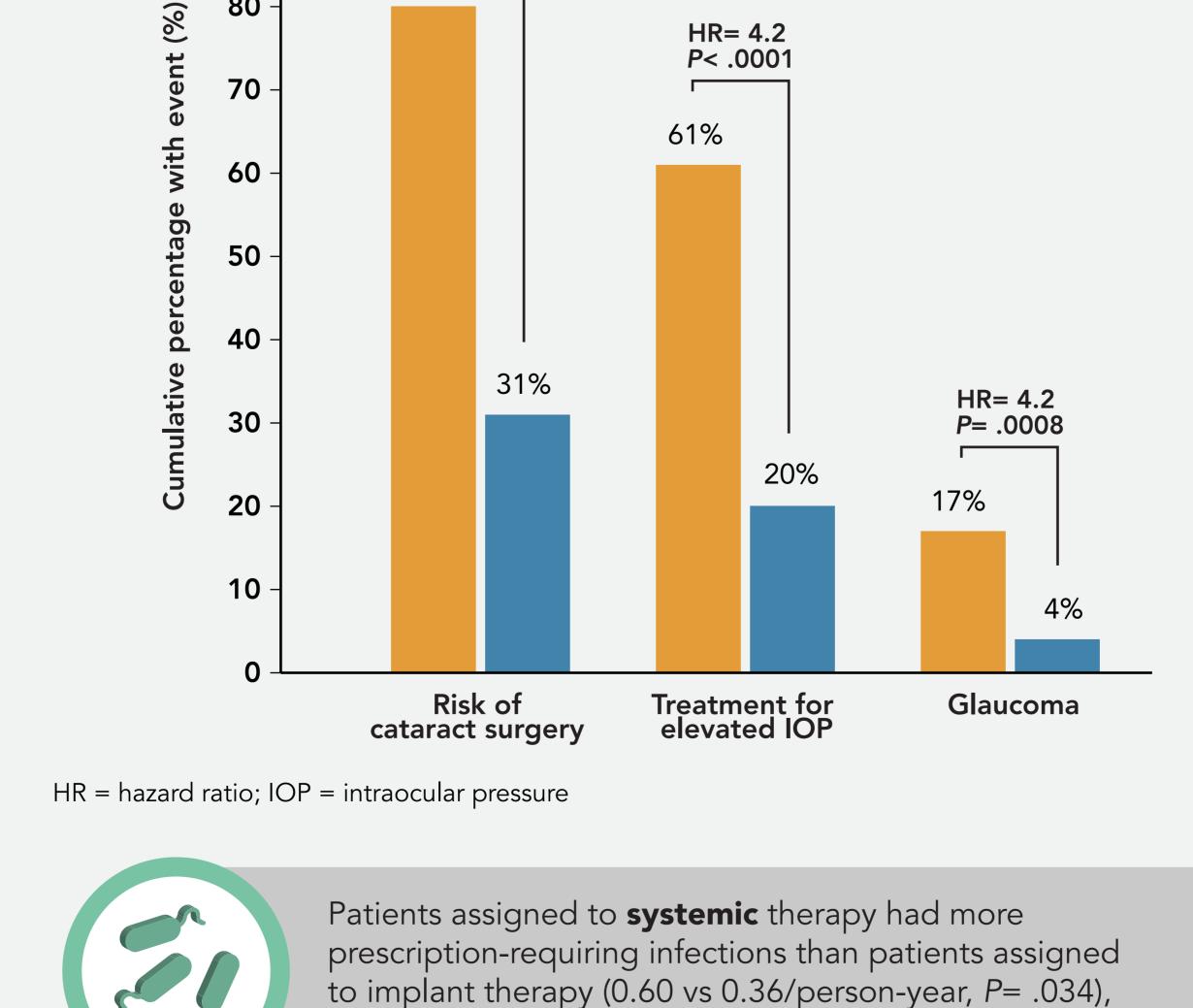
21

18

24[‡]



HR= 4.2





Systemic adverse outcomes otherwise were unusual in both groups, with minimal di fferences between groups.

without notable long-term consequences.

