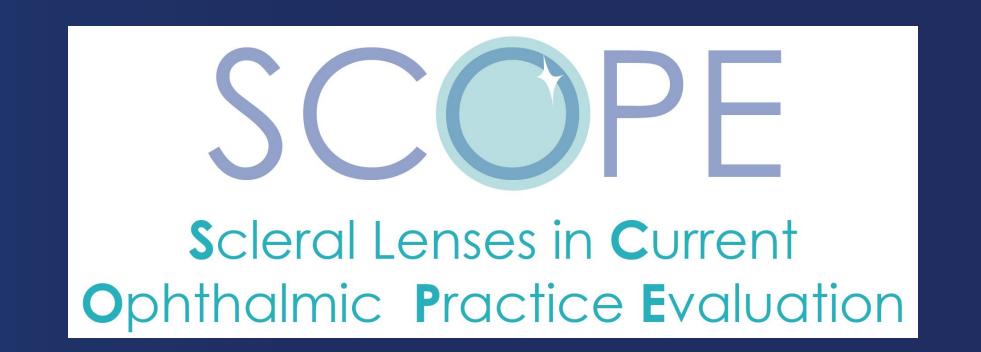


# Scleral Lens Experience in Patients with Keratoconus (SCOPE Study)



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# PURPOSE

Scleral lenses are often used to treat corneal irregularity, with keratoconus a common indication for scleral lens wear<sup>1</sup>. We asked keratoconus patients their experiences with treatments for their keratoconus. This analysis focuses on their reported experiences with scleral lenses.

## **METHODS**

An electronic survey was developed by the SCOPE (Scleral Lenses in Current Ophthalmic Practice an Evaluation) group.

Distributed by the National Keratoconus Foundation.

Links to the survey were shared among keratoconus support groups.

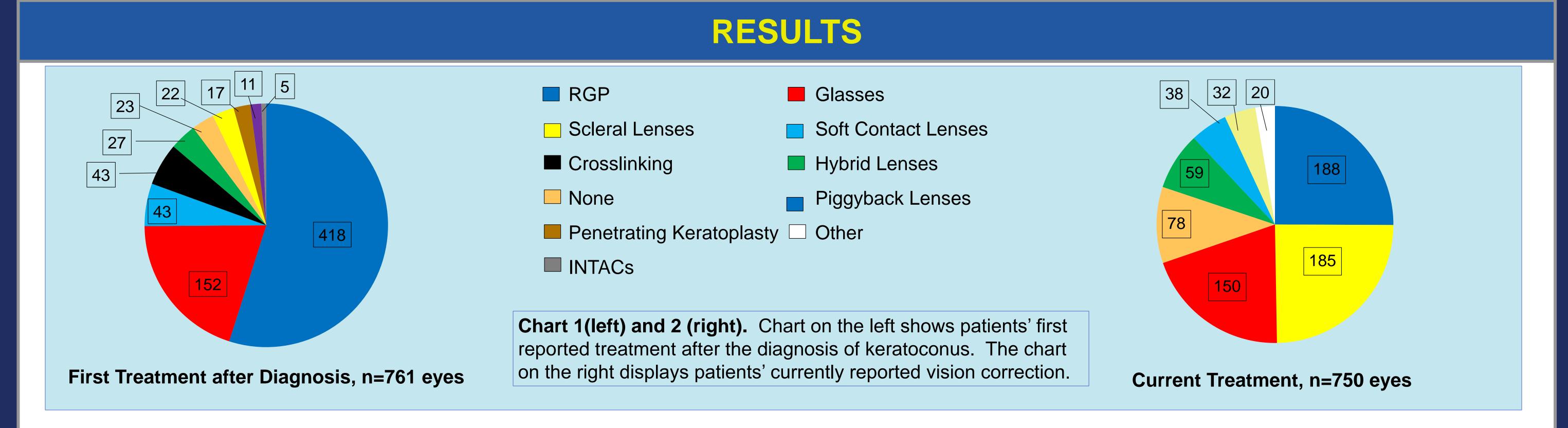
The survey was open between October 2016 and March 2017.

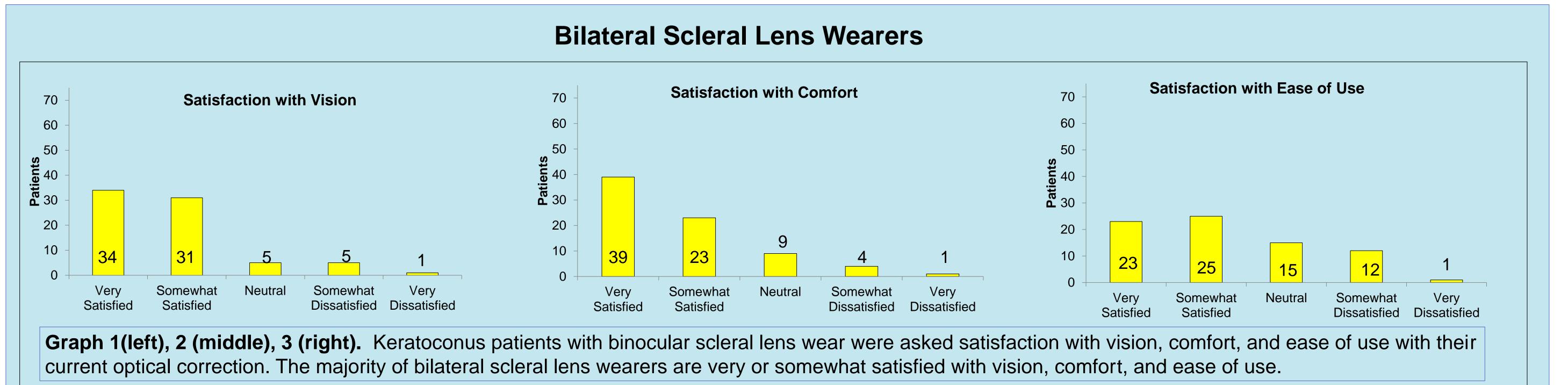
### Respondents:

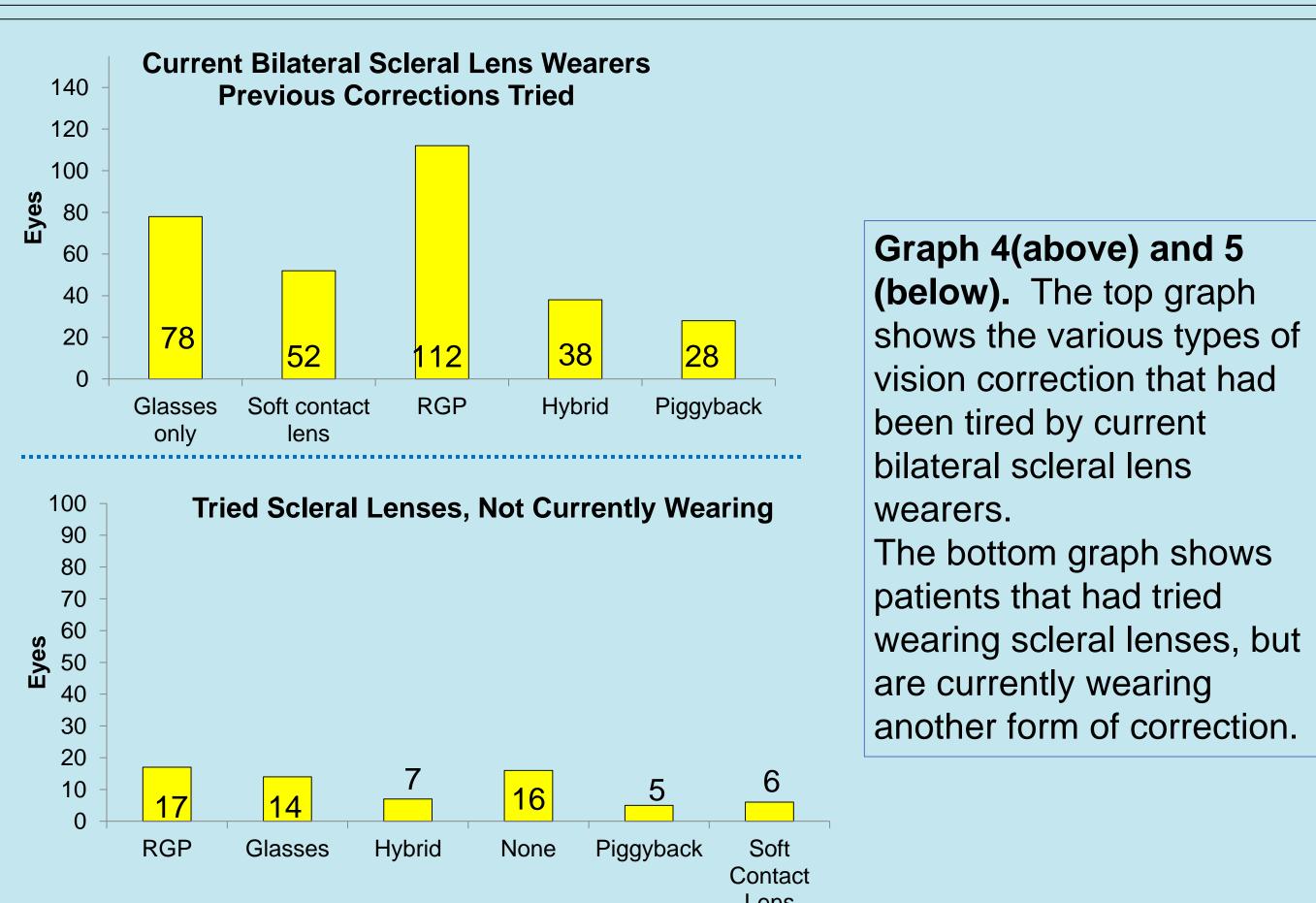
- 422 patients responded to the survey.
- Average age: 47 ± 15 years
- Average time since diagnosis: 26 ± 11 years

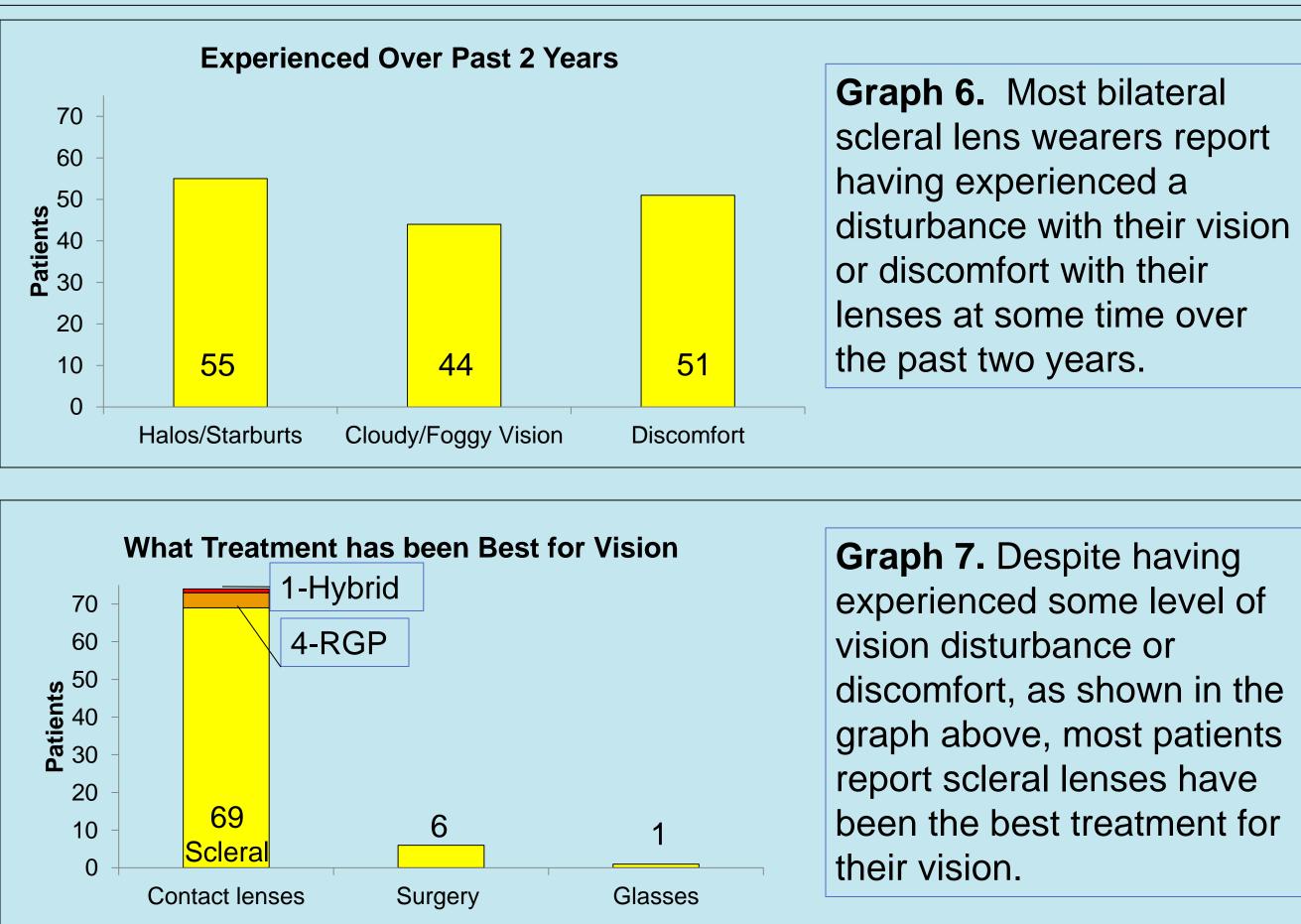
### **Questions:**

- Treatments:
- First treatment
- Current treatment
- Satisfaction with current treatment:
  (5 point scale)
  - Vision
  - Comfort
- Ease of use
- Over the past two years have you experienced:
- Clouding/fogging of vision
- Halos or starburst
- Discomfort with treatment









# CONCLUSIONS

- The number of patients with keratoconus who wear scleral lenses is nearly equal to those who wear GP lenses for vision correction in this study.
- Most keratoconus patients wearing scleral lenses are satisfied with vision, comfort, and ease of use with scleral lenses.
- Although some disruption to vision and comfort with scleral lenses have been experienced, keratoconus patients still find the lenses to be the best treatment for their vision.
- Not all keratoconus patients are successful with scleral lenses.

# REFERENCES

 Shorter E, Harthan J, Nau CB, Nau A, Barr JT, Hodge DO, and Schornack MM. Scleral lenses in the management of corneal irregularity and ocular surface disease. Eye & Contact Lens 2017;0-:1-7.

# SUPPORT





