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Abstract Information

Abstract Title:

Indications For Transscleral Laser Cyclotherapy

Purpose:

To analyze clinical outcomes of patients treated with transscleral laser cyclotherapy to determine whether AAO guidelines for this treatment should be reconsidered.

Design:

Retrospective chart review

Participants:

More than 300 patients treated with transscleral laser cyclotherapy and followed for up to 8 years.

Main Outcome Measures:

Visual acuity, IOP, need for additional glaucoma therapy, adverse events such as hypotony, sympathetic ophthalmia, or corneal decompensation

Methods:

The laser surgery log book was used to identify patients who had been treated with transscleral laser cyclotherapy. The charts of these patients were reviewed to obtain pertinent clinical information such as visual acuity, IOP, and type of glaucoma pretreatment, and similar information including need for additional glaucoma treatment or serious adverse events post laser treatment.

Results:

We identified many patients with good visual acuity, who had only mild to moderate cupping and/or visual field loss, and/ or who had not had previous glaucoma surgery. Many of these patients achieved good clinical outcomes including IOP control without need for additional glaucoma treatment, preservation of visual acuity and absence of serious adverse events.

Conclusion:

The AAO guidelines which recommend laser cyclotherapy for,

