

Diode laser photocoagulation of the cycloplegic body



Overview

During TSCPC, a semiconductor diode laser (810 nm) is transmitted through the overlying sclera and absorbed by melanin in the ciliary processes, leading to selective thermal coagulation of the ciliary body. 7 Despite the simplicity of the procedure (comparing to incisional. Traditional transscleral diode cyclophotocoagulation (TSCPC), or continuous wave transscleral diode cyclophotocoagulation (CW-TSCPC), has been widely used since its development in the 1990s. In cyclodestructive procedures, the secretory epithelium of the ciliary epithelium is damaged, which leads to reduced aqueous humor secretion and lower intraocular pressure (IOP). The laser treatment can be applied to an intact eye through the anterior sclera with continuous-wave red. Later forms of the procedure used lasers, 14 including the Nd:YAG equipped with a sapphire-tipped contact probe as well as solid-state diode lasers equipped with disposable laser probes. The near-infrared diode laser has become the most widely used device for cyclophotocoagulation, and this. Recent advances in treatment techniques and parameters for laser cyclophotocoagulation has expanded its role in today's glaucoma practice. Methods: This is a retrospective review of the records of all adult patients who underwent their first TSCPC treatment between 2014 and 2019 at Unidade Local de Saúde de São.

Article Content

(PDF) trans-sCleral diode CyClophotoCoagulation

To describe the outcome of using diode laser transscleral cyclophotocoagulation (cyclodiode laser) as a safe technique

Clinical Outcomes of Slow-Coagulation Continuous-Wave Transscleral ...

In this review, we discuss the treatment outcomes of slow-coagulation continuous-wave transscleral cyclophotocoagulation (CW

Transscleral Diode Laser Cyclophotocoagulation (CPC)

Even in eyes with no light perception, the procedure can provide relief from chronic pain, conjunctival injection, and

Efficacy and safety of diode laser transscleral cyclophotocoagulation ...

Purpose: To evaluate the efficacy and safety of transscleral diode cyclophotocoagulation (TSCPC) at 2 years of follow

Diode Laser Cyclophotocoagulation

Effective laser treatment of the ciliary processes and ciliary body reduces the inflow of aqueous humor and, thus, decreases

Micropulse Transscleral Cyclophotocoagulation

In these procedures, a diode laser targets and destroys the pigmented ciliary body epithelium, thereby decreasing production of

Transscleral Cyclophotocoagulation

The near-infrared diode laser has become the most widely used device for cyclophotocoagulation, and this discussion will focus on

Cyclodestructive Procedures in Treatment of Glaucoma

The ECP laser unit (Endo Optiks, Little Silver, NJ) has 4 different components: the diode laser (pulsed continuous-wave energy at

Transscleral Diode Laser Cyclophotocoagulation

Diode laser was applied to the ciliary body (identified using a retroillumination technique) using the G-Probe after

Transscleral Diode Laser Cyclophotocoagulation (CPC)

The operative template below outlines the use of the established transscleral diode laser G-Probe delivery system,

Contact Us

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