Argon Laser Photocoagulation

Laser - Wikipedia

A laser is a device that emits light through a process of optical amplification based on the stimulated emission of electromagnetic radiation. The word “laser” is an acronym for “light amplification by stimulated emission of radiation”. The first laser was built in 1960 by Theodore H. Maiman at Hughes Research Laboratories, based on theoretical work by Charles Hard Townes and Arthur Leonard.

Argon Laser - Wikipedia

Argon laser photocoagulation (ALP) is a laser photocoagulation technique using the argon laser. It is a treatment for conditions that involve abnormalities of blood vessels in the retina, such as diabetic retinopathy and age-related macular degeneration.

Photocoagulation . Common Ophthalmic Abbreviations

YAG Yytrium Aluminum Garnet Laser.

ALP Argon Focal Laser
ALP Argon Laser Trabeculoplasty
AMD Age Related Macular Degeneration (alternative)
APD Afferent Pupillary Defect
PRP Pan Retinal Photocoagulation

Common Ophthalmic Abbreviations

Photocoagulation is possible.

Vitreous Hemorrhage: Diagnosis and Treatment - American Academy of Ophthalmology

A vitreous hemorrhage occurs when blood enters the vitreous cavity, which is the gel-like substance that fills the eye and holds the retina in place. The two most common causes of vitreous hemorrhage are diabetic retinopathy and age-related macular degeneration.

Ocular Complications - Ophthalmology

Retinal detachment is a serious eye condition where the retina detaches from the back of the eye. It is characterized by a sudden loss of vision and a floating of wavy or flashing lines in the visual field.

Common Ophthalmic Abbreviations

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Common Ophthalmic Abbreviations

Diabetic retinopathy - SlideShare

Diabetic retinopathy is a complication of diabetes that affects the blood vessels in the retina. It can lead to vision loss and blindness if left untreated.

Laser Photocoagulation for Age-Related Macular Degeneration - American Academy of Ophthalmology

Photocoagulation is a treatment option for age-related macular degeneration (AMD). It involves the use of laser energy to seal leaking blood vessels in the retina.

Early Treatment Diabetic Retinopathy Study (ETDRS) - Full

The ETDRS was a multicenter, randomized clinical trial designed to evaluate the efficacy of argon laser photocoagulation in the treatment of proliferative diabetic retinopathy.

Holographic Light: Laser Safety - The Rayleigh Group

Laser safety is crucial to prevent accidents and injuries caused by laser light. This article provides guidance on laser safety, including the use of laser safety glasses and the proper handling of laser equipment.
Pôle Ophtalmologique de Champagne Reims-Bezannes
Le traitement de la rétinopathie diabétique par laser : photocoagulation au laser Argen. En cas de rétinopathie diabétique proliférative un traitement laser est nécessaire. La photocoagulation des zones ischémiques permet d'obtenir la régression des néovaisseaux.

Eye and Vision Care Center (Ophthalmology) | Michigan Eye
Laser Vision Correction. LASIK is one of the safest, most effective, and popular elective procedures for vision correction. This convenient and quick in-office procedure involves using a precise computer-controlled laser ultimately reducing your dependence on corrective lenses.

Clinical development and potential of photothermal and
Jul 22, 2020 | One of the first applications of lasers in surgery was demonstrated by ophthalmologists in 1963 for the photocoagulation of ablated with red light irradiation using an argon dye laser.

Sickle Cell Disease Treatment & Management: Approach
Nov 02, 2021 | Xenon arc and argon laser photocoagulation have been used to treat either the peripheral neovascularization or the feeder vessels to the neovascularization. Photocoagulation applied through various techniques (e.g., feeder vessel, focal scatter, peripheral circumferential scatter) is effective for treating proliferative sickle retinopathy and