Glaucoma Surgery Devices Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Product (Punches, USC marker, USC planner, USC shaver, forceps, algerbrush, probes, diamond knives, Glaucoma Drainage Device, Laser System, Others), By Surgery Method (Traditional glaucoma surgery, Minimal invasive glaucoma surgery, Laser surgery), By End Use (Hospitals, Ophthalmic clinics, Others), By Region & Competition, 2020-2030F

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Abstracts

Market Overview

The Global Glaucoma Surgery Devices Market was valued at USD 1.44 billion in 2024 and is anticipated to grow at a CAGR of 5.14% through 2030. This growth is primarily driven by the rising global incidence of glaucoma, a chronic eye disease that is among the leading causes of irreversible blindness. With increased awareness of early detection and treatment options, there is a growing preference for surgical interventions, particularly for patients who do not respond to medications. According to the World Health Organization (WHO) 2023 report, more than 2.2 billion people suffer from some form of vision impairment globally, underscoring the critical need for timely eye care and effective treatments. These trends highlight the expanding role of advanced surgical devices in preventing avoidable vision loss and improving quality of life for affected individuals.

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Key Market Drivers

Increasing Geriatric Population

The expanding global geriatric population is a major driver of the Global Glaucoma Surgery Devices Market. According to WHO, the proportion of people aged 65 and above rose from 5.5% in 1974 to 10.3% in 2024 and is projected to reach 20.7% by 2074. Since glaucoma predominantly affects older adults, the growing elderly demographic is directly linked to an increased prevalence of this condition. As life expectancy continues to rise, so does the number of individuals at risk for glaucoma, intensifying the need for early diagnosis and surgical intervention. Additionally, aging populations in both developed and emerging markets are experiencing higher healthcare access, resulting in more frequent eye screenings and subsequent treatments. Innovations in surgical techniques, particularly the rise of micro-invasive glaucoma surgery (MIGS), are also enabling safer, more effective solutions tailored to elderly patients. As this population segment expands, demand for reliable glaucoma surgery devices is expected to remain strong.

Key Market Challenges

Availability of Alternative Treatment Methods

The presence of alternative treatment methods presents a notable challenge to the growth of the Global Glaucoma Surgery Devices Market. Non-surgical interventions—particularly pharmaceutical eye drops—remain widely used due to their non-invasive nature and patient familiarity. Laser therapies, such as selective laser trabeculoplasty (SLT) and laser peripheral iridotomy (LPI), offer additional less-invasive options with shorter recovery periods, making them appealing to many patients. Furthermore, minimally invasive glaucoma surgery (MIGS) blurs the line between medical and surgical treatments, offering safer procedures that can be performed alongside cataract surgeries. These alternatives often serve as the first line of treatment, especially in early-stage cases, limiting the number of patients opting for traditional surgical devices. Factors such as patient age, comorbidities, and treatment affordability further influence the decision, often leading healthcare professionals to recommend less invasive measures initially.

Key Market Trends

Minimally Invasive Glaucoma Surgery (MIGS) Dominance

The rising adoption of Minimally Invasive Glaucoma Surgery (MIGS) is a pivotal trend reshaping the Global Glaucoma Surgery Devices Market. MIGS procedures are gaining popularity due to their less invasive approach, which involves smaller incisions, faster recovery, and reduced postoperative risks. This approach enhances patient outcomes and satisfaction, particularly among older individuals. Additionally, MIGS techniques are frequently performed alongside cataract surgery, offering a dual-benefit solution that is efficient and convenient for patients and providers. With a strong safety profile and effective intraocular pressure (IOP) reduction, MIGS has become an attractive option for managing both early and moderate stages of glaucoma. The growing preference for such procedures is prompting manufacturers to innovate and expand their MIGS device portfolios, solidifying its dominance within the surgical treatment landscape.

Key Market Players

- Alcon, Inc.
- Abbott Medical Optics Pvt Ltd
- Asico LLC
- Katalyst Surgical LLC
- Ziemer Ophthalmic Systems AG
- Lumenis Ltd
- Iridex Corporation
- Carl Zeiss Meditec AG
- Allergan Plc.
- Glaukos Corporation

Report Scope:

In this report, the Global Glaucoma Surgery Devices Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

- Glaucoma Surgery Devices Market, By Product:
  - Punches, USC marker, USC planner, USC shaver, Forceps, Algerbrush, Probes
  - Diamond knives
  - Glaucoma Drainage Device
  - Laser System
  - Others
- Glaucoma Surgery Devices Market, By Surgery Method:
  - Traditional glaucoma surgery
  - Minimal invasive glaucoma surgery
  - Laser surgery
- Glaucoma Surgery Devices Market, By End Use:
  - Hospitals
  - Ophthalmic clinics
  - Others
- Glaucoma Surgery Devices Market, By Region:
  - North America
    - United States
    - Canada

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- Mexico
- Europe
  - France
  - United Kingdom
  - Italy
  - Germany
  - Spain
- Asia-Pacific
  - China
  - India
  - Japan
  - Australia
  - South Korea
- South America
  - Brazil
  - Argentina
  - Colombia
- Middle East & Africa
  - South Africa

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Saudi Arabia

UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Glaucoma Surgery Devices Market.

Available Customizations:

Global Glaucoma Surgery Devices Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

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