



Subject: A Grand Prix to combat cataracts

A Tool Simplifying Cataract Surgery Wins Grand Prize at the International Exhibition of Inventions Geneva

The tool, invented by Saudi ophthalmologist Dr. Saad Alenezi, makes it possible to produce a clean, regular circular opening in the lens capsule at low cost.

An innovative device, invented by Saudi ophthalmologist Dr Saad Alenezi, was awarded the Grand Prize of the 50th International Exhibition of Inventions Geneva. This simple, sterilisable and cost-effective tool makes a clean, regular circular opening in the anterior lens capsule, an essential step in cataract surgery.

This pathology, which affects millions of people worldwide, remains one of the main causes of blindness, particularly in low-income countries. Where lasers are often inaccessible or too expensive, Dr. Alenezi's invention offers an effective, precise and affordable alternative.

The device is inserted into the eye through a micro-incision. Once in position, a cutting mechanism — activated by a micro-pulley system and an electrical impulse — produces a perfectly circular, cauterised capsulotomy. The resulting opening is then used to remove the opacified lens and implant an intraocular lens.

There are many advantages to this tool: it ensures precise and swift execution, produces a consistent opening, improves implant centering, and significantly reduces surgical risks.

By recognising this invention, the Exhibition jury is acknowledging a technological breakthrough with significant social and medical impact, particularly suited to settings where access to healthcare remains limited.

[Photo of the winner](#)

Many other prizes were awarded at this 50th edition, which brought together nearly 1,050 inventions from all over the world.

The prize list will be available on Sunday, 13 April, on the [Exhibition website](#).

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