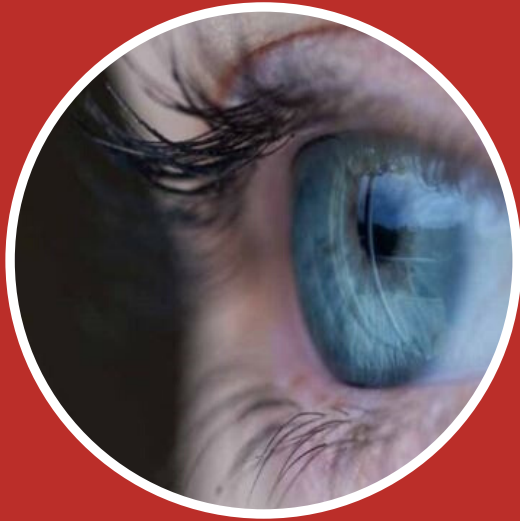


# TREATMENT OF NEURODEGENERATIVE OPHTHALMOLOGICAL DISEASES

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Neuroprotective treatment of degenerative ophthalmologic diseases based on growth factors of natural origin (blood serum)

**Protection:** Italy, Canada, China, Japan, Europe, US

**Inventors:** Silvia Bisti, Marina Buzzi, Emilio Campos, Claudio Velati, Piera Versura

## INVENTION

The invention refers to the ophthalmic use of cord blood serum (CBS) in the treatment of degenerative diseases of the retina and the optic nerve, such as glaucoma. The product to be developed in the form of an eye-drop, will have a neuroprotective purpose, since it will be employed to reduce early and late damage to neuronal cells following tissue damage related to neurodegenerative diseases of retina and optic nerve. The selected growth factors present in blood serum - especially in cord blood serum- have a strong neurotrophic effect supporting growth and survival of neuronal cells and glia, therefore determining the neuroprotective effect of the eye-drop to be developed.

## ADVANTAGES

- Higher bioavailability of the growth factors comparing to synthetic products
- Increased effectiveness of the pool of growth factors derived from CBS and naturally regulated for fetal growth, compared to similar synthetic molecules

## CONTACTS

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## APPLICATIONS

- Topic treatment of neurodegenerative diseases of the retina and optic nerve

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