

SMARTICLES



Summary

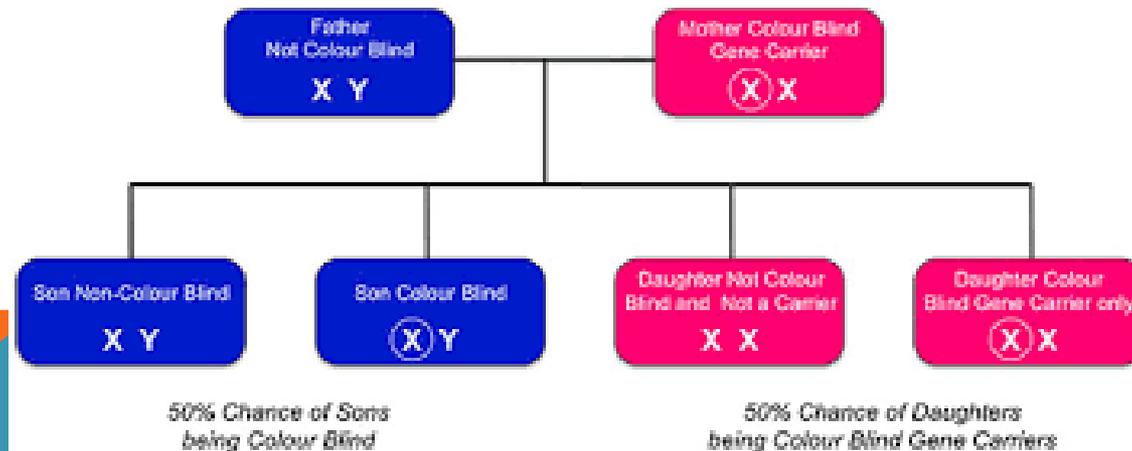
Today, we'll be talking about....

- The definition of inherited blindness
- Various forms of inherited blindness
- Treatments that are currently available for inherited blindness
- Organisations that are actively promoting awareness of inherited blindness.

Introduction

What is inherited blindness?

- Inherited blindness is a form of visual impairment which involves the passing of abnormal genes from parent to offspring.
- **More than 60 percent** of cases of blindness among infants are caused by inherited eye diseases.

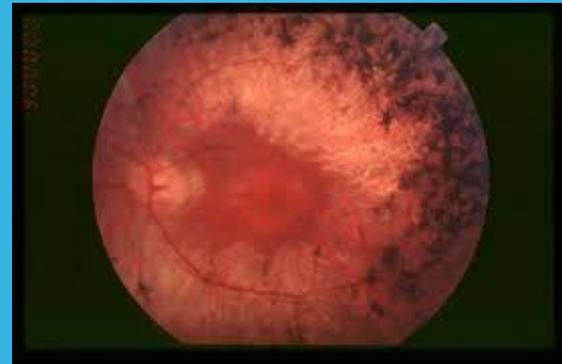


Genetically Inherited Diseases That Can Affect Teenagers

- A genetic disorder is a disease that is caused by an abnormality in an individual's DNA.

Examples of diseases that can be genetically inherited:

- **Congenital Cataracts**
- **Congenital Glaucoma**
- **Retinal Degeneration**
- **Optic Atrophy**
- **Retinitis Pigmentosa**

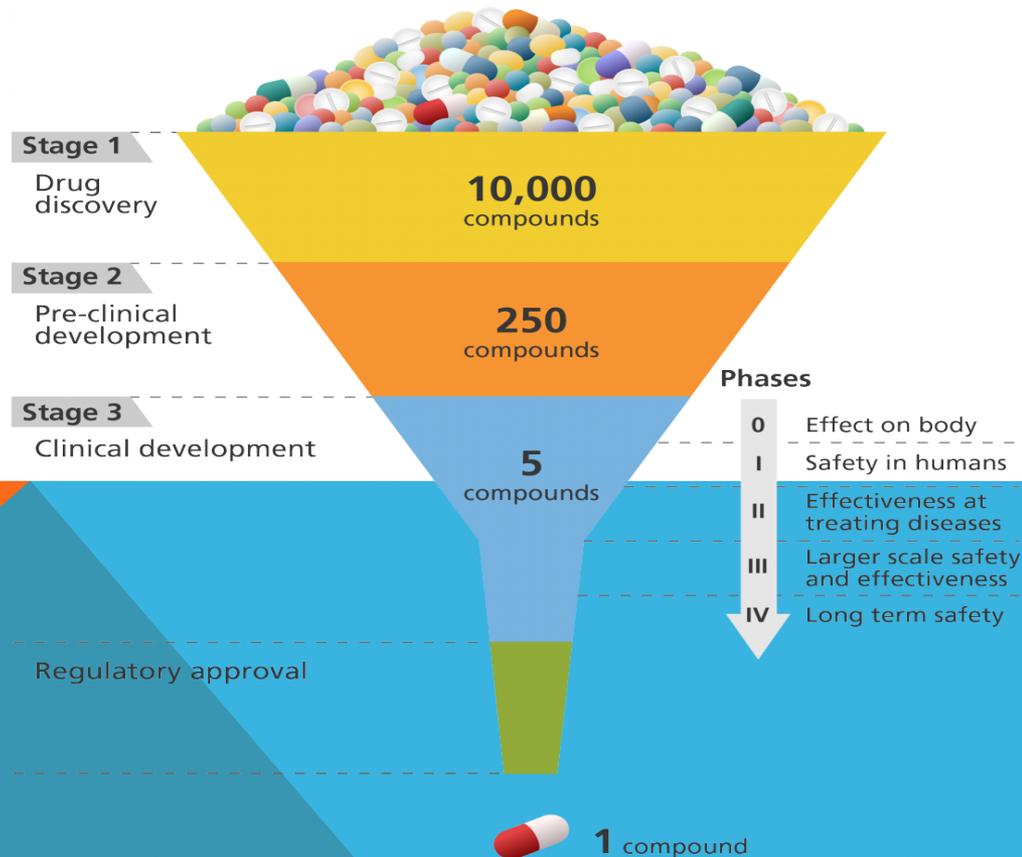


Often, Inherited Blindness can affect...

- Social Life
- School Life/Education
- Sports Activities
- Normal day to day activities e.g. showering, driving, cycling, social interactions, eating, exercise, travelling

Stages before a Drug is Approved

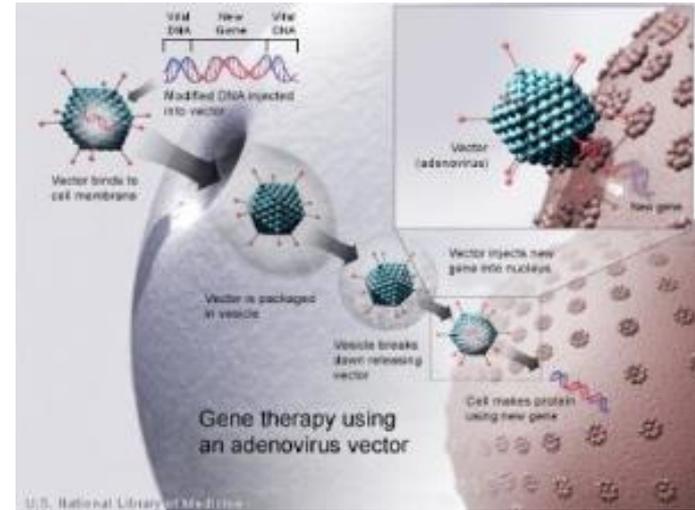
- Discover → Development → Pre-Clinical Trial
- Clinical Trial → Approval → Post-Monitoring



CURRENT THERAPIES

- Gene Therapy
- Stem Cell therapy
- Medical devices
- Pharmacological Therapy

Restoring vision with stem cells



PEOPLE WITH BLINDNESS

- Have problems with normal life
- Spanish project: “Diseño accesible para el aprendizaje de lenguas en la Red”
- World Blind Union (WBI)