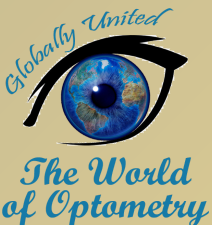


TWOP Discussion

DUANE RETRACTION SYNDROME



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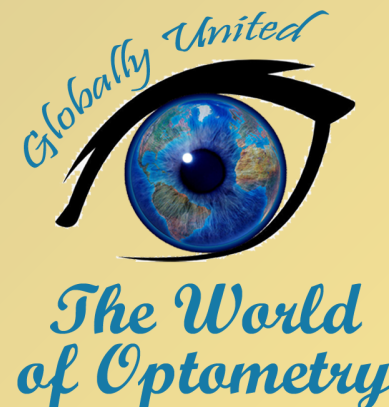
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DEFINITION

Duane Syndrome is a rare type of eye condition which occurs congenitally.

It is non progressive strabismus which involved in horizontal movement limitation.

Upshoot or downshoot are abnormal vertical movement anomaly in DRS.

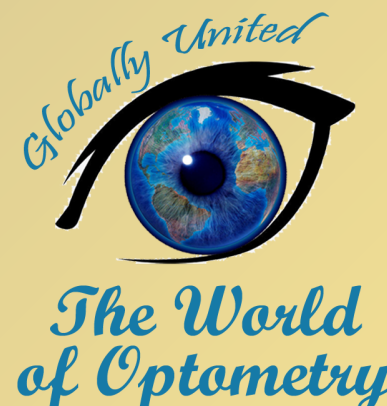
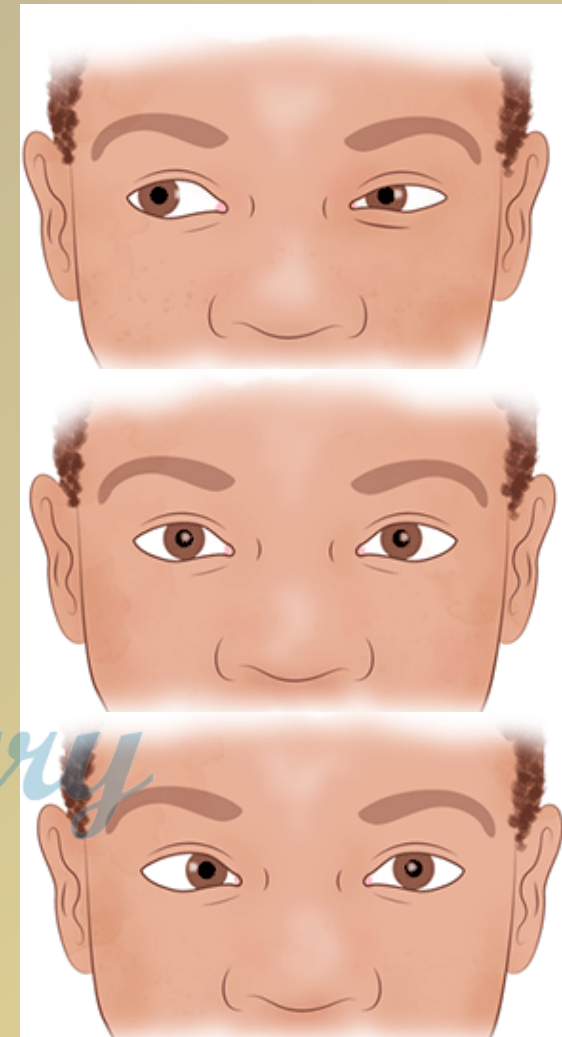


TYPES OF DUANE SYNDROME

Type 1 : Limitation of the ability to move the affected eye out (abduction), and retraction of the globe occurs during adduction.

Type 2 : Limitation of the ability to move the affected eye in (adduction) and retraction of globe occurs when abduction.

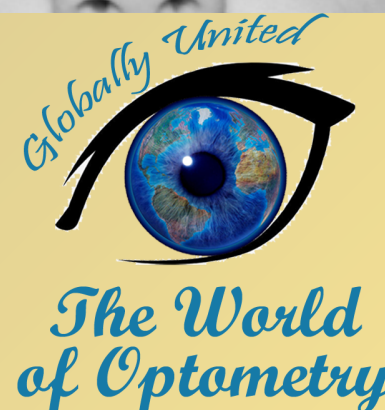
Type 3 : Limitation of the ability to move the affected both inward (adduction) and outward (abduction) and retraction of globe when adduction.



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CLINICAL FEATURES

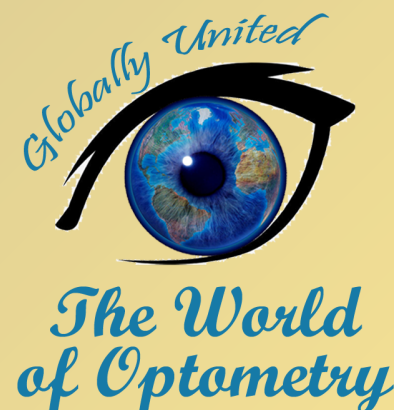
- Limited or complete absence of outward movement (abduction) of the affected eye.
- Limited or complete of inward movement (adduction) of the affected eye.
- Retraction of the affected eye into the orbit when it is adducted
- Pseudoptosis of the affected eye when it is adducted.



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CLINICAL FEATURES

- A sharply oblique movement of the affected eye, either down and in (downshoot) or up and in (upshoot), when it is adducted.
- Convergence Insufficiency on the affected eye in the primary position while the other eye is converging.
- Presence of Abnormal Head Posture (AHP) in order to search the direction of gaze for the absence misalignment to obtain binocularity.

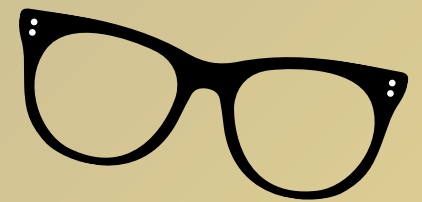


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MANAGEMENT

Non Surgical:

- Correct the refractive error by prescribing spectacles or contact lenses for refractive error even prism if needed.
- Treatment of amblyopia accordingly.
- Injection of Botulinum toxin to decrease the amount of deviation and leash phenomenon (upshoot or downshoot of globe).



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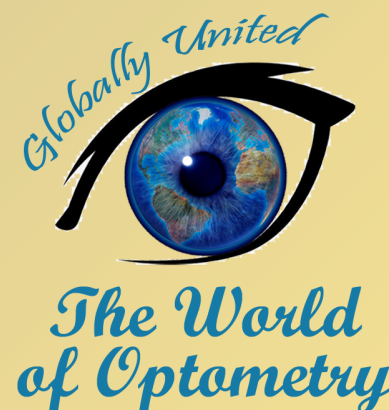
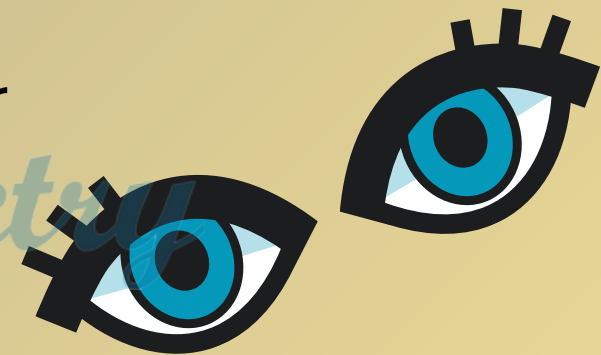
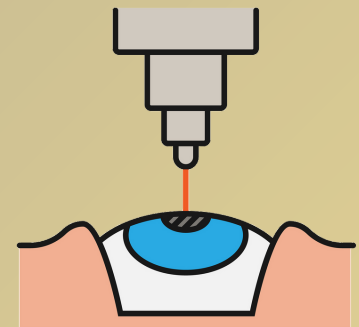
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MANAGEMENT

Surgical:

The aims of the surgery are:

- To correct a manifest strabismus.
- To centralize the field of binocular single vision.
- To overcome the Abnormal Head Posture and to avoid manifestation of it.



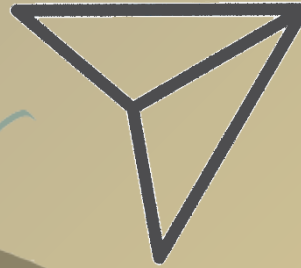
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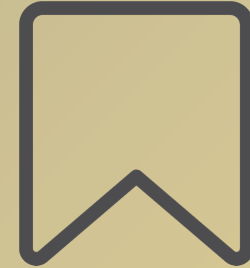
Wow, what cool content



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