



A CASE OF ACQUIRED HORNER'S SYNDROME AFTER BLALOCK TAUSSING SHUNT SURGERY

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KEYWORDS :

INTRODUCTION-

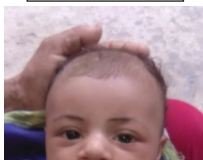
- Horner syndrome results from an interruption of the sympathetic nerve supply to the eye and is characterized by the classic triad of ptosis, miosis and anhidrosis^[2].
- Causes^[4]:
 - Central (First order neurone)
 - Brainstem disease-commonly stroke, tumour, demyelination
 - Syringomyelia
 - Later I medullary (Wallenberg) syndrome
 - Cervical Cord lesion
 - Diabetic neuropathy
 - Preganglionic (Second order neurone)
 - Pancoats tumour
 - Carotid and aortic aneurysm and dissection
 - Thoracic spinal cord lesion
 - Miscellaneous neck lesions (thyroid tumour, enlarged lymph node, trauma, postsurgical)
 - Postganglionic (Third order neurone)
 - Internal carotid artery dissection
 - Nasopharyngeal tumour, cavernous sinus mass
 - Otitis media
 - Cluster headache (migrainous neuralgia)

ACASE REPORT

We present a rare case of 5 month old hindu male child referred to our tertiary center was diagnosed with tetralogy of fallot for which he was under gone for blalock taussing shunt surgery. After blalock taussing shunt surgery child developed mild ptosis, miosis, enophthalmos suggestive of horner's syndrome.

- Phenylephrine 1% test was used which resulted in dilation of pupil and ptosis was temporarily relieved.

PRE SHUNT



POST SHUNT



Before Phenylephrine 1% test



After Phenylephrine 1% test

following thoracic and neck surgery especially in high risk patients with hypertension and diabetes^[3]. It occurs due to disruption of sympathetic pathway between brain and eye. In our case report we presented a rare case of 5 month old patient having ptosis, miosis, enophthalmos suggestive of horner's syndrome developed after blalock taussing shunt surgery.

CONCLUSION:

Incidence of horner's syndrome is 1.42 per 100000 patients younger than 19 years^[5], with a birth prevalence of 1 in 6250 for those with a congenital onset^[3], it is 0.2% after conventional surgery^[6]. Horner's syndrome after blalock taussing shunt surgery is rare and hence it should be reported

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DISCUSSION:

Iatrogenic horner's syndrome is rare complication that can occur after trauma, cervical central line insertion, chest tube insertion and rarely