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A Congenital Case of Dandy-Walker Malformation

Authors : Neerja Meena, Paresh Sukhani

Abstract : Dandy walker malformation is a generalised disorder of mesenchymal development that affect both the cerebellum and overlying meninges. Classically dandy-walker malformation consists of a triad of- 1:vermian and hemispheric cerebellar hypoplasia 2:cystic dilatation of 4th ventricle 3: enlarged posterior fossa with the upward migration of tentorium(lambdoid-torcular inversion). Clinical presentation: four months old female child with hydrocephalus and neurological symptoms. Generally- early death is common in classic dandy walker malformation. However, if it is relatively mild and uncomplicated by other CNS anomalies, intelligence can be normal and neurologic deficits minimal. Usually, VP shunting is the treatment of choice for this hydrocephalus. Conclusion: MRI is the modality of choice to diagnose posterior fossa malformation. However, it can be ruled out through using during the antenatal check as the prognosis of this malformation is not good; it's better to diagnose it inutero.

Keywords : Dandy Walker, Mri, Earlydaignosis, Treatment
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