Name : AATHMAJA D | Age : 0 | Sex : Female

Referred By : Dr Shyma M M, DCH, MD, DM Neurology | MRN : 430639

Drawn 12 Apr 2024 6:00 PM | Received : 13 Apr 2024 8:25 AM | Reported : 15 Apr 2024 10:44 AM

PLAIN MRI STUDY OF BRAIN

Plain MRI study of the brain was done using 1.5 Tesla Philips Achieva scanner.

SEQUENCES: Axial- T1WI, T2WI, FLAIR, FFE, DWI, ADC; T2WI Sagittal; Coronal- T2WI, T1-IR

Clinical history: Six month old child, born 38 weeks LSCS, Global developmental delay under evaluation.

Findings:

- **Prominence of the ventricular system noted involving the bilateral lateral ventricles, third and fourth ventricles along with prominence of the extra axial subarachnoid CSF spaces, predominantly in the frontal and temporal convexities.**
- **Temporal horns of both the lateral ventricles appear dilated with abnormal medial and vertical orientation of the hippocampi.**
- **Marked thinning of corpus callosum noted.**
- Normal T1 hyperintense and T2 hypointense signals noted in the white matter region of dorsal and ventral brainstem, anterior and posterior limb of internal capsule, central corona radiata and cerebellar white matter suggestive of myelination.
- **Parietal and occipital white matter region show predominantly T1 hypointense signals and T2 hyperintense signals**
- No evidence of intra/ extra axial collection.
- No evidence of midline shift.
- Brain stem and cerebellum are normal in signal intensity.
- Sellar and parasellar regions appear grossly normal.

IMPRESSION

- **Prominence of ventricular system and extra axial CSF spaces as mentioned with suspicious abnormal orientation of hippocampi and marked thinning of corpus callosum.**
- **Parietal and occipital white matter regions show predominantly T1 hypointense signals and T2 hyperintense signals- Possibility of Delayed myelination.**

Suggest clinical correlation and follow up MRI - for further evaluation.

Dr. Karthika Sreekumar
MBBS,MD Radiodiagnosis
Consultant Radiologist
Reg.No. TCMC: 59782
Sunrise Hospital, Kochi-682030

Regd. Office : VII/528-B&C, SEAPORT-AIRPORT ROAD, MAVELIPURAM, KAKKANAD, KOCHI - 682 030, TEL: 4160000, 2660000, 2428913, 14, 15, Fax : 2428917
MAIL : enquiry@sunrisehospital.in, Web : www.sunrisehospital.in, CIN : U85110KL2002PTC015726, GSTIN: 32AAICS4341K2ZB
SUNRISE HOSPITAL - KUSAVANKUNNU, RAMNAGAR ROAD, AJANUR P.O. - 671 531, KANHANGAD, KASARAGOD DIST., PH : 0467 - 2208180, 2200564, 2201080
SUNRISE HOSPITAL - PALLIKKARA, CHANGARAMKULAM, NANNAMMUKKU P.O., MALAPPURAM DIST. - 679 576. TEL: 0494- 2650881/82