

Study: Magnetic resonance imaging of the brain.

MRI machine: Philips Intera 1.5T.

Age: 28.

Sex: Female.

Race: Caucasian.

Brief anamnesis of the disease (complaints): Headache.

REPORT

A series of T1- and T2-weighted MR tomograms in three planes visualized sub- and supratentorial structures.

The midline structures are not displaced.

No focal and diffuse changes in the brain substance were detected.

In DWI mode no diffusion disturbance areas were revealed.

Lateral ventricles are asymmetric, D<S, not dilated, size within the age normometry, normal configuration, without periventricular infiltration. The 3rd ventricle is not dilated. The IVth ventricle is not dilated, not deformed.

No additional formations in the area of the pontine-brachial angles were revealed. Internal auditory canals are not dilated.

Orbits without peculiarities, data for the presence of obvious pathologic structural changes, reliably detected foci of pathologic MR-signal changes in their projection were not revealed.

Chiasmal area without features, pituitary gland is not enlarged in size, pituitary tissue has a normal signal. The chiasmal cistern is not changed. The pituitary funnel is not displaced.

The cerebellar tonsils prolapse below the level of the greater occipital foramen on the right ~ 1.8 cm, on the left ~ 1.1 cm, the great cerebral cistern is not traced /tamponed/. The medulla oblongata is displaced ventrally, the ponto-medullary cistern is narrowed; the pontophoraminal distance is reduced to 0.95 cm.

The remaining basal cisterns are not dilated, not deformed. Subarachnoid convexital spaces and grooves are not widened. The lateral fissures of the brain are symmetrical and not widened.

Decrease in the cranio-vertebral angle up to 145 g (norm 150-180 g); increase in the Bogart angle up to 131 g (norm less than 122 g).

Pneumatization of facial sinuses is not significantly disturbed.

CONCLUSION

MR sign of Arnold-Chiari I anomaly. No MR evidence of focal and diffuse changes in the brain substance was found.

MR signs of dysplasia of the cranio-vertebral junction (platybasia).

RECOMMENDATIONS

Consultation with the attending physician.

Year of study and report: 2023