

Anthropology and Anatomy

Morphometric Characteristics of the Brain Ventricular System Based on the Magnetic Resonance Imaging Data

S. Baybakov, L. Gorbov

Kuban State Medical University, Krasnodar, Russia, Dept. of Normal Anatomy

In this study there are presented the results of a morphometric description of brain ventricle sizes based on the data collected via the magnetic resonance imaging in 60 men and 60 women of early adulthood. Study includes the magnetic resonance imaging scans of the heads of people who were specifically proven not to have any cerebral pathology. There were studied the linear sizes of the liquor system objects, the comparison of those parameters in men and women was carried out as well. For those objects that have a chiral symmetry, the bilateral differences were also determined.

Key words: magnetic resonance imaging, brain ventricles, early adulthood, bilateral symmetry, gender differences.