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## Sexual Dimorphism of Ventricles of the Brain in Rajasthan Population

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### Abstract

40 Male and 40 Female, normal adult age between 25 to 35 were selected for study. Their Ventricles of the Brain were studied with C.T Scan. Mean Values Height of Fourth Ventricle of males was 1.476 cm (SD  $\pm 0.008$ ) and Females was 1.121 cm (SD  $\pm 0.013$ ) and t-test result was 147.07 cm which was statistically highly significant (P < 0.001) Mean Value of width of fourth Ventricle of male was 1.628 cm (SD  $\pm 0.016$ ) and females was 1.235 cm (SD  $\pm 0.014$ ) and t-test Value was 118.30 cm which was statistically highly significant (P < 0.001) mean value of length of Right frontal horn of lateral ventricle of male was 3.265 cm (SD  $\pm 0.014$ ) and female was 2.944 (SD  $\pm 0.159$ ) and value of t-test was 12.68 cm which was highly significant P value (P < 0.001) and mean Value of length of left front horn of lateral ventricles in males 3.315 cm (SD  $\pm 0.012$ ) t-test value was 148.63 cm which was highly significant P value (P < 0.001). Classification of Functional coefficient of a) Height of Fourth Ventricle in males was 7.72 E3 while in Females 5.23 E3. b) Width of Male fourth Ventricle coefficient was 2.37 E while female was 1.15 E. c) Coefficient Values of length of Right frontal horn of lateral ventricle in males was 171.9 and in females 148.6. d) Coefficient Values length of left frontal horn of lateral ventricle in males was 2.75 E4 and in Females was 2.52 E4.

The Present study values are more or less in agreement with previous studies<sup>(1)(2)</sup> but these normal values indicate or signifies the regional, ethnic or racial identity of Rajasthan population which can be clinically correlated in diagnosis and suggest further line of treatment because metrical values of Ectoderm derivatives are uncertain.

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## Keywords

HFV = Height of Fourth ventricle, WFV = Width of Fourth Ventricle, LRFLV = Length of Right Frontal Horn of Lateral Ventricle, LLFHLV= Length of Left Frontal Horn of Lateral Ventricle.

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