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Correlative Study of Length of Upper Limb with Position of Bifurcation of Brachial Artery in Males of Rajasthan Population

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Abstract

26 (Twenty Six) Male Cadavers were dissected to Study the Position of bifurcation of Brachial Artery and the length of the upper limb both right and left upper limb were measured by tailors tape. The Mean Value of right upper limb was 72.11cm (SD + 4.33) And Mean Value of Position of Bifurcation of Brachial Artery from below the epicondyle of humerus was 4.26cm (SD + 1.4) and Correlative coefficient was $r = 0.482$ regression equation was -6.99 which was Highly significant P Value ($P < 0.01$) and mean value of length of left upper Limb was 72.02cm (SD + 5.24) and position of bifurcation Brachial Artery below the Epicondyle distance mean value was 4.27cm (SD + 0.84). Correlative coefficient value was $r = 0.698$ and regression Equation was -3.783 which was highly significant p value ($p < 0.005$). This correlative study is quite useful to the surgeons, anatomist, Medico legal Expert, Radiologist and Anthropologist. As there is no previous study is done to compare length of upper limb with position of bifurcation of Brachial Artery. By knowing the length of the upper limb one can predict the position of bifurcation of Brachial Artery Hence

known for the variation and create a challenge in orthopedic and vascular surgeries.

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Keywords

= UL = Upper limb, rt = Right, Lt = Left, Tailors Tape.

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