

Morphometric measurement of Human femur in Gujarati population and their significance.

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Abstract:

Introduction: morphometric measurement of femur is useful in academic study for anatomist and also useful in medico legal cases and in physical anthropology. The present study has been carried out to establish the normal range of various morphometric parameters of femur in Gujarat populations and compare the various parameters of femur in Gujarat population with other populations. **Material and method:** The study was carried out using 150 dry normal adult femora (97male, 53female) in NHL municipal medical college, Ahmedabad, Gujarat, India. **Result:** The all parameters of femur of Gujarat population is less than that of American white, California, Marathwada, North Central India and population of Maharashtra, while more than the length of Chinese population. **Conclusion:** Findings of the present study is useful in medico legal cases for estimation of sex from available fragmentary femora. The study can also be useful to anatomist & physical anthropologist. Conclusion

Key Words:- Femur, Measurement, Morphometry.

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