entry of vascular pedicle to the semitendinosus muscle from its origin was ranging between 44 mm and 265 mm.

Conclusions: The morphometric data obtained in the present study is important to the vascular and plastic surgeons. It has implications during the harvesting of the grafts and pedicle flaps. The data is also essential to the anthropologists, orthopedicians and clinical anatomists.

Conflicts of interest

The authors have none to declare.

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Measurement of height from ulnar length: A cross-sectional study among the staff of NEIGRIHMS, Meghalaya

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Aim of the study: To observe the correlation between the height and length of ulna.

Materials and methods: 164 (male: 118 and female: 46) healthy subjects of age group 25–50 years were studied. Their height was measured from crown to heel with standard height measuring instrument in Frankfurt's plane with bare foot and their ulna length was measured with wide spread caliper using standard procedure.

Results: The regression analysis was carried out to find the strength of relationship of ulna length with body height and the following equation was formulated: $y = mx + c$, where y = height of the subjects, x = length of ulna, c = intercept/constant, m = regression coefficient. In our study following values were obtained. For male subjects: $m = 5.495$ and $c = 26.71$; so equation becomes $y = 5.495x + 26.71$ and $r^2 = 0.913$. For female subjects: $m = 5.641$ and $c = 22.06$; so equation becomes $y = 5.641x + 22.06$ and $r^2 = 0.836$.

From the above we suggest that there is strong positive correlation between height and length of ulna among both male and female study subjects. All the findings will be discussed in details during presentation.

Conclusion: By using the length of ulna we can calculate the height of an individual which will be beneficial for anatomist, clinicians and anthropometry studies.

Conflicts of interest

The authors have none to declare.

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Reconstruction of femoral length from markers of its proximal end

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Introduction: Stature is one of the most important parameter in the identification of an individual, and it can be calculated from measurements of long bones specially femur and tibia. Bony markers such as head and neck of femur can be of use in determining the femoral length and thereby stature of an individual. The aim of this study is to derive regression equation for estimation of length of femur by measuring proximal segments.

Materials and methods: This study consists of 280 femora (136 of right side and 144 of left side). The maximum length of femur, head vertical and transverse diameter, head circumference, neck vertical and transverse diameters were measured with the help of osteometric board and vernier caliper.

Results: The data were statistically analyzed for correlation coefficient and regression. The mean of maximum length of femur was $412.56 + 30.34$ mm (right femur – 414.96 ± 30.57 mm, left femur – 410.29 ± 30.05 mm). The length of femur significantly correlates with the other measurements of proximal end ($p < .01$). Linear regression equations of length of femur against various proximal end measurements have been derived.

Conclusion: The positive correlation between maximum femoral length and parameters of its proximal end, and regression equation derived in this study will be useful in estimation of the total length of the femur. Hence, this study will be helpful to anthropologists, archaeologists and forensic investigators.

Conflicts of interest

The authors have none to declare.

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Bilateral linguofacial trunk in a cadaver: A case report

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Background: External carotid artery (ECA) extends from level of upper border of lamina of thyroid cartilage to a point behind the neck of mandible and parotid gland providing eight branches: superficial temporal, maxillary, ascending pharyngeal, superior thyroid, lingual, facial, occipital and posterior auricular artery. Cases of common thyro-lingual, linguo-facial and thyro-linguo-facial were reported of which linguo-facial trunk is most common.

Materials and methods: During routine dissection in Department of Anatomy, ESI Medical College, Kolkata, Linguo-facial trunk originated from ECA on both sides above greater cornu of hyoid bone in a 60-year-old cadaver. This variation was coloured and photographed.

Observations: Lingual and facial arteries originated from front of ECA as common linguo-facial trunk on both sides and coursed upward towards the mandible, dividing into facial and lingual arteries at the level of laryngeal prominence. Lingual artery crossed the internal laryngeal, passed underneath the hypoglossal nerve and anterior belly of digastric muscle to enter digastric triangle. Facial artery passed upwards and forwards reaching posterior part of submandibular gland. Other branches of ECA were normal.

Discussion: Knowledge of linguo-facial trunk is essential for radiologist to interpret carotid system imaging for superselective intra-arterial catherization and placement of cross clamps on carotid arteries in carotid end-arterectomy and in Facial Artery Musculo Mucosa (FAMM) flap for reconstruction of oro-nasal fistulas and closure of soft tissue defects in mandibular vestibule. Variations pose a danger during thyroidectomy, laryngectomy, carotidendoplasty for treatment of carotid stenosis or extracranial–intracranial arterial bypass for treatment in occlusive cerebrovascular disease, skull base tumours or aneurysms.