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ACCEPTED MANUSCRIPT

ESTIMATION OF STATURE FROM DIMENSIONS OF THE FOURTH LUMBAR VERTEBRA IN CONTEMPORARY MIDDLE-AGED FINNS

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HIGHLIGHTS

- We present L4-based stature estimation equations for Northern Finns
- In the pooled-sex sample, the most accurate equation yielded an error of 5.635 cm
- Among men and women, the lowest errors were 5.125 and 4.640 cm, respectively
- We suggest that L4 dimensions may be used to estimate stature relatively accurately

ABSTRACT

Background: Accurate stature estimation plays an essential role in the identification of unknown deceased individuals. For cases in which conventional methods of stature estimation are not applicable, we studied the stature estimation potential of the fourth lumbar vertebra (L4) among a large living sample of

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