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Dental maturity assessment in Serbian population: A comparison of Cameriere's European formula and Willems' method

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Highlights

- European formula and Willem's method are suitable for age estimation in Serbs.
- Both methods are very good for age estimation in individuals aged from 7 to 13 years.
- European formula is more accurate in individuals aged between 5 and 7 years.
- Willems' method showed better results in individuals aged 13 to 15 years.

Abstract

Aims

To test the applicability of European formula for dental maturity estimation in non-adults on Serbian sample and compare its accuracy with Willems' age estimation method.

Materials and Methods

Panoramic radiographs of 423 children (192 boys and 231 girls) aged between 5 to 15 were evaluated. Willems' method and European formula were applied to estimate dental age. Intra-class correlation (ICC) coefficients between estimated age and chronological age for each method and sex were reported separately. Furthermore, the percentage of individuals with estimated age within error range of ± 0.5 year was calculated.

Results

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