

Estimation of biological age and growth for cephalometric radiography

Abstract

The estimation of biological age in humans from radiographs has practices in various fields of dental science, especially in forensic dentistry and orthodontics dentistry applications. Serving to identify and estimate the age, diagnose, plan and treat malocclusions. The states of child development are estimated according to the literature, at specific stages of physiological maturity in four physiological indices: somatic, skeletal, dental and sexual maturity. The analysis of bone age by cervical vertebrae eliminates the need for radiographic another, reducing the radiation dose received by the patient. This study aimed to review the literature on the importance of diagnosing and growth of biological age by radiography, with considerations on age estimation by methods of tooth mineralization, skeletal and secondary sexual characters and their use in the context of dentistry.

Descriptors: Cervical vertebrae, Growth and development, Sexual maturity, Legal dentistry.

Mendonça RTD, Vieira L, Galvão VC. Estimativa de idade biológica e crescimento por telerradiografia cefalométrica. R Odontol Planal Cent. 2014 Jul-Dez;4(2):13-28.