

Development of the imaging analysis method for the facial aging: Establish of the objective evaluation method

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Facial aging is caused not only by age-related changes in the skin, but also by changes in muscles, subcutaneous soft tissues, and adipose tissues. Gravitational effects also affect to the aging appearance. CT and MRI allow the depiction of the state of those facial structures. We focused on the gravity and evaluated the gravitational effect to the facial appearance. Our diagnostic imaging analysis based on the degree of sagging can be used as an objective evaluation of the state of the face and is useful to the elucidation of the mechanism for facial aging process. Furthermore, it will contribute to the development of the facial anti-aging prostheses and the technical application to the police scientific criminal investigation.