The Empress International Convention Center, Chiang Mai, Thailand

THE 11th ASIAN CONGRESS OF ORAL AND MAXILLO-FACIAL RADIOLOGY

The Pivotal Role of Oral and Maxillofacial Radiology in Dentistry

November 10-12, 2016

The Empress International Convention Center, Chiang Mai, Thailand
## Oral Presentation SESSION 7

Theme: Digital image/ Panoramic/ Infection control  
Friday November 11, 2016, Time: 09.30 - 10.30 (Room A)  
Chairperson: Prof. Junichi Asaumi  
Co-Chairperson: Dr. Preeyaporn Srimawong

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Review of digital image enhancement methods using image editor software

Y.A. Lita¹, Azhari¹, R. Norianingsih¹, F. Oscandar¹, F. Pramanik¹.

¹Department of Oral Maxillo Facial Radiology, Faculty of Dentistry Padjadjaran University, Indonesia

Dental Radiographs in digital form can be processed in some way to improve diagnostic value. In diagnostic imaging, digital acquisition of radiographs enables digital image enhancement to make relevant information.

The purpose of this paper is to give information to the dentist or dental specialist about correct method of digital radiographic image enhancement using image editor software, without loss of information on radiograph.

The same image may be used for various diagnostic tasks by adjusting the image characteristics. Image enhancement software operations are performed to the visual appearance of the image. Common enhancements tools include, brightness and contrast adjustments, black or white reversal, pseudo color application and sharpening. Correct methods of digital radiographic image enhancement can adjust superimpose object on radiograph to get relevant information for diagnostic necessity.

Keywords: Digital radiographs, Enhancements, Imaging Software, Diagnostic value