



# 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 Asami

Co-Chairperson: Dr. Preeyaporn Srimawong

OP	Time	Presenting Author's Name	Country	Title
OP39	09.30-09.45	Dr. Ilham Wan Mokhtar	Malaysia	Repeat analysis of intraoral digital radiographs among dental undergraduate students
OP40	09.45-10.00	Dr. Yurika Lita	Indonesia	Review of digital image enhancement methods using image editor software
OP41	10.00-10.15	Dr. Rellyca Sola Gracea	Indonesia	Vertical and oblique measurement comparison of actual and panoramic radiograph of mandible
OP42	10.15-10.30	Dr. Yuti Malinda	Indonesia	Infection control in oralmaxillofacial radiology

**Review of digital image enhancement methods using image editor software**

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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