Cone Beam Computed Tomography (CBCT-3D) Application in Determining Impacted Lower Third Molar Apical Location On Mandibular Canal

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Background

Tooth extraction of impacted mandibular third molars have a high risk because the roots are close to the mandibular canal. Examination and analysis of accurate radiograph before therapy is needed. Two-dimensional radiography has limitation in locating the actual apical third molar where the three-dimensional objects are transformed into two-dimensional.

Aim

The aim of this paper is to explain the application of 3D CBCT-apical position in interpreting the actual location of impacted third molars apical to the mandibular canal to determine the treatment plan.

Discussion

3-D CBCT can interpret a variety of things that are needed in determining the treatment plan and evaluation compared to two-dimensional radiography in cases of impacted lower third molar root location to the mandibular canal.

Conclusions and Discussion

3-D CBCT has advantages in analyzing compared to other radiographic and very useful for determining the therapeutic plan of impacted mandibular third molars.

Keywords: CBCT 3-D, impacted lower third molar, mandibular canal.
The 10th ACOMFR 2014
Asian Congress of Oral and Maxillo-Facial Radiology

"PRESENT AND FUTURE PROSPECT OF DIAGNOSTIC IMAGING IN DENTO-MAXILLO-FACIAL RADIOLOGY"

Inna Grand Bali Beach Hotel
November 20-22, 2014
Bali - Indonesia

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