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Comparative radiographical analysis of apical bone injuries in periapical intraoral radiographies and cone beam computed tomography

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Apical bone lesions, as a consequence of pulpar necrosis, have been observed for many years on periapical radiographs.

With the use of CBCT cone beam technology, can be seen in all their magnitude; can establish with certainty its location, amplitude, and anatomical areas and structures involved.

In intraoral radiographs and cone beam; could reach the conclusion, that in innumerable opportunities, what can be seen in the periapical rx, is far from reality. It is an apical lesion of greater size than what can be seen in this radiograph and that the anatomical structures involved are more numerous.

These differences are explained by projection, distortion and absorption phenomenas. Those that are proper and characteristic of the two types of exams for comparison.

A sequence of radiological cases containing apical bone lesions is presented; those that were radiographically examined with intraoral periapical radiography and cone beam CBCT.

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