Case presentation: CBCT with SCANORA® 3Dx
Questionable Root Fragment in the Left Maxillary Sinus

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FINDINGS

Findings

Evidence of a root fragment in the mesiobuccal root socket of the extracted tooth 27.
In the panoramic radiograph, the caudal osseous border of the maxillary sinus cannot be detected in that area. (Fig. 1)

Fig. 1 Panoramic radiograph
FINDINGS

The acquired CBCT image (SOREDEX®, SCANORA® 3Dx, Tuussula, Finland) shows, furthermore, that a second, larger root fragment, directly in the caudal end of the physiological ostium of the right maxillary sinus, can be found. The mucosa of the sinus is slightly widened. (Fig. 2, Fig. 3, Fig. 4)

Fig. 2 CBCT - axial view

Fig. 3 CBCT - coronal view

Fig. 4 CBCT – surface rendered 3D view of the root fragment

All other shown portions of the maxillary sinuses, regarding wall contours, pneumatization and ventilation, are without any findings.

Evaluation

Root fragment in the socket of 27 and in the left maxillary sinus.