

CBCT News Letter-September 2011

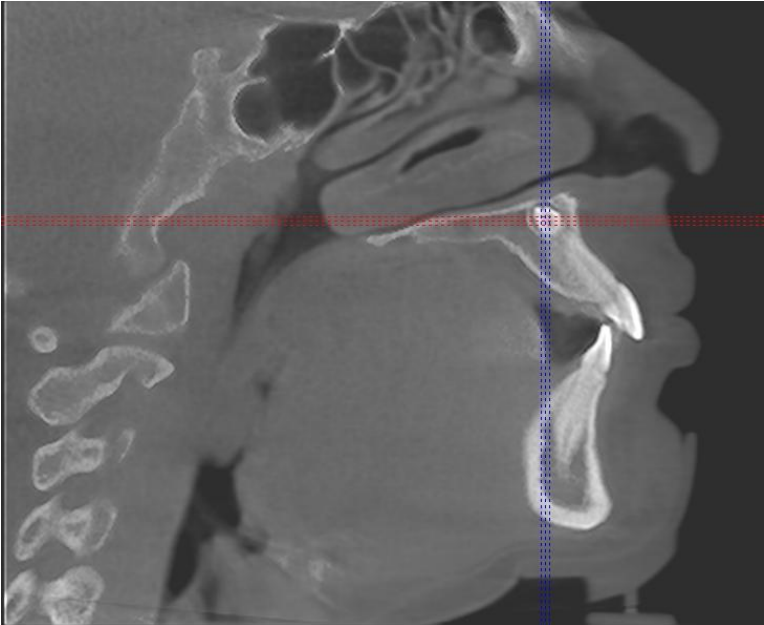
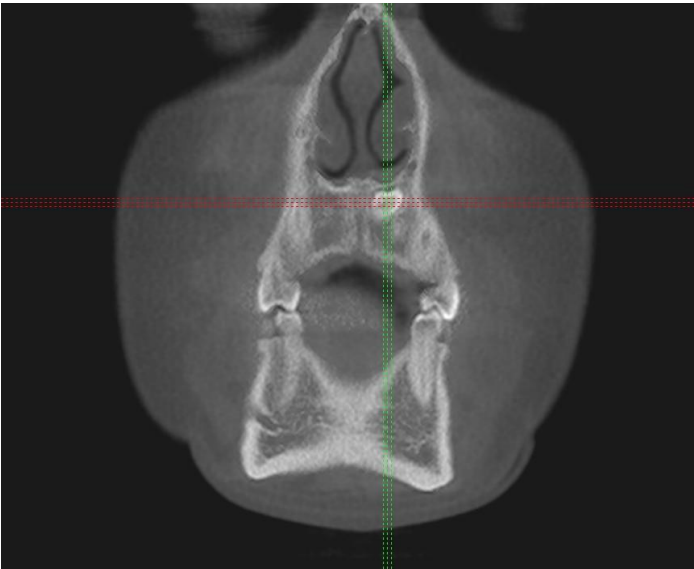
Cone beam computer technology is a game changing imaging technology that is transforming the way I diagnosis and treat our patients. Traditional orthodontic imaging started with both lateral and posterior- anterior cephalograms, plus a panoramic radiograph to diagnosis patients for orthodontic treatment. However, the panoramic image has distortion and magnification errors. Because of the nature of the typical focal trough of the panoramic radiograph, these magnification and distortion errors are not consistent throughout the image, and more importantly, anatomical features, teeth, and/or undiagnosed pathologies are often hidden within the radiograph.

This point was hammered home recently when a 13:08 year old young man came in with a chief complaint of severe overcrowding. We took our normal "screening" panorex which showed a potential lesion apical to the maxillary right segment.

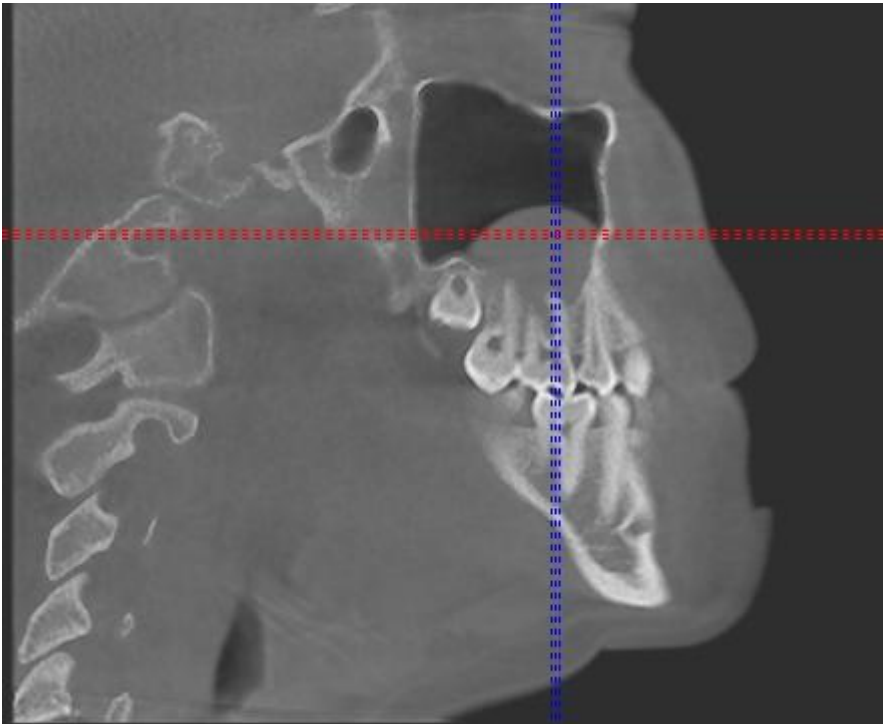
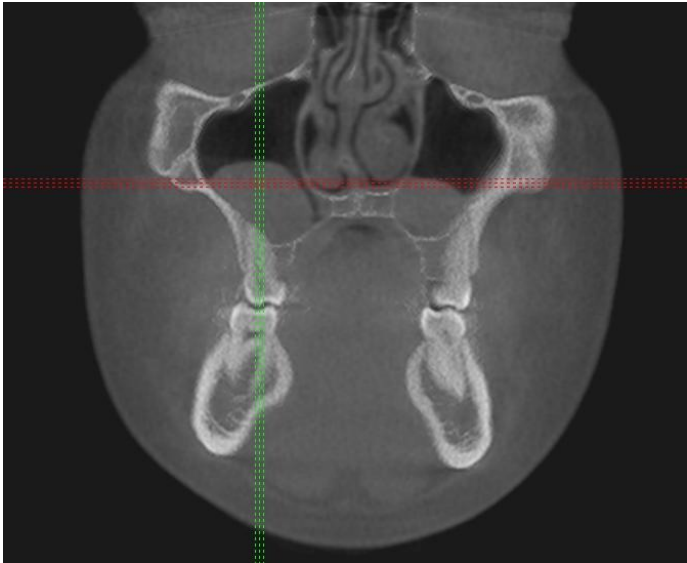
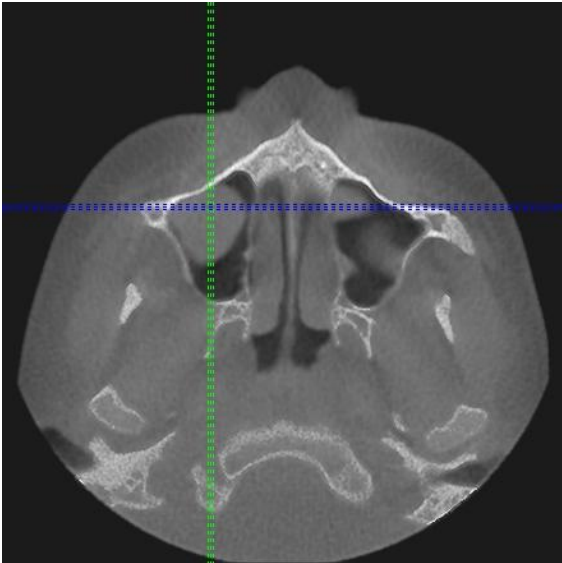


A CBCT scan was taken which clearly showed the extent of the lesion and undiagnosed mesiodens between #8,9. This CBCT diagnosis changed the treatment plan.

Axial, Coronal, and Sagittal View of Mesiodens



Axial, Coronal, and Sagittal Views of the Right Sinus



Axial, Coronal, and Sagittal Views of the Left Sinus

