



# syngo Dental CT

The syngo® Dental CT program creates panoramic and paraxial views of the upper and lower jaw from thin-slice spiral scans.

Typical applications are pre-surgical planning for implants, information about the structure of the jaw bones and localization of the mandibular canal.

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Evaluation of the teeth and the jaws documented in true anatomical size

Answers for life.

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## General

- Evaluation on a separate *syngo* task card on the user interface
- For better image quality, overlapping slices can be used
- Display and definition based on Maximum Intensity Projection (MIP) and Multi Planar Reformatted (MPR) images
- A “virtual gantry tilt” can be simulated by adjusting the reference line in a lateral view – more comfortable positioning of the head during acquisition and second evaluation with different tilt – using the same dataset\*

## Evaluation

- Fast generation of the curved planar line by interactive marking points along the arch of the jaw
- Definition of panoramic and paraxial parameters such as Number of Views, Distance (mm) and Thickness (mm)
- Individual paraxial lines can be interactively moved and deleted
- Multiple paraxial range definitions on one reference image by using a Cluster & Copy function
- Automatic generation of panoramic and paraxial views within a few seconds
- The paraxial views can be calculated orthogonal to the reference plane as well as orthogonal to the original axial orientation
- Extended definition of the Mandibular Canal on paraxial and panoramic views
- ROI, Distance and Angle measurement tools are available

## Documentation

- Result images can be copied to a film sheet – in anatomical size with maximum use of the film sheet, saved on CD or DVD, and exported to other DICOM nodes
- Dental Film layout with Reference Image and text for detailed study information such as study number, slice width and kernel of input images, slice width of result images
- For easy reprinting, the results of the latest Dental CT Film are stored in the Patient Browser
- All images can be stored on the hard disk with a specific Dental series description for easy identification in the Patient Browser

\* Not applicable for LEONARDO workstation

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