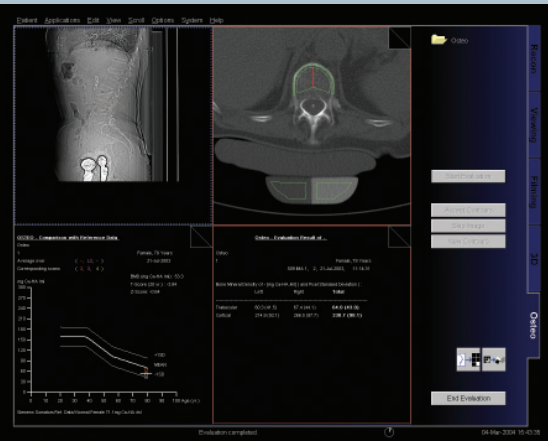


syngo Osteo CT

syngo® Osteo CT provides bone mineral density measurements of the cortical and trabecular bone – free of superposition. The measurement of the trabecular bone is important because this bone has a high metabolic activity and is thus a very sensitive indicator for early bone loss and effects of treatment.

syngo Osteo CT is used for accurate assessment of the bone mineral density, thus aiding the physician in the diagnosis of osteoporosis, identification of fracture risk and monitoring the effect of treatment.

The acquisition and evaluation can be performed in only a few minutes.



syngo Osteo CT

Non-invasive measuring of the Bone Mineral Density (BMD)

Answers for life.

SIEMENS

General

- Acquisition of three mid-vertebral slices with pre-defined scan protocol*
- Osteo mattress with cavity for the calibration phantom and gel pack sponge for correct patient positioning (lordosis) during acquisition*
- Evaluation on a separate *syngo* task card on the user interface

Evaluation

- Automatic contour tracing of the trabecular and cortical bone with easy manual interaction and modification
- Automatic result calculation of cortical and trabecular BMD
- Siemens Standard Comparison Table with a healthy bone reference group (age and sex specific based on data from three European centers) or with an user-defined reference data base
- Display of standard deviation either ± 1 or ± 2
- Output of the Z-score (age matched controls), T-score (at peak bone mass) and BMD
- BMD values can be compared within the SOMATOM family because the individual patient result is rescaled to the ESP-standard (European Spine Phantom)

Documentation

- Results images can be copied on a film sheet, saved on CD or DVD, and exported to other DICOM nodes
- Filming of the Osteo CT results can be linked to a specified film format

* Not applicable for LEONARDO workstation

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