

TBS iNsight v3.0

Enhanced Bone Fracture Prediction

TBS iNsight v3.0 boosts the performance of bone densitometry and adds value to your clinical practice. Benefits for the v3.0 include:

- FRAX adjusted for TBS is a 10-year probability of fracture based on clinical risk factors, BMD, and TBS. Created and cross-validated in population-based studies; validation meta-analysis study: 17,800 women and men in 14 countries^{1,2}
- TBS iNstats is an automated database statistics tool that allows you to analyze your complete TBS patient database and report-out patient distribution based on both bone mineral density (BMD) and trabecular bone score (TBS) thresholds
- Evaluates bone microarchitecture in routine clinical practice
- Easy to use and installs quickly on GE LUNAR iDXA and Prodigy systems
- One click, 3 second results
- One scan – no additional radiation to patients
- Works retrospectively on patient BMD database
- Differentiates DXA clinics and may increase patient referrals



TBS iNsight™—an advanced, imaging software for bone densitometers (DXA)—enhances the ability to predict osteoporotic fracture risk. Using AP spine data obtained during routine DXA exams, it produces a complimentary fracture risk parameter based on a determination of bone texture. The result—expressed as a trabecular bone score (TBS)—derives from a patented algorithm that evaluates pixel gray-level and spatial variations in the DXA scan. This provides an indirect, highly correlated index of bone microarchitecture that is independent of bone mineral density (BMD), clinical risk factors and FRAX®.

Identify more at-risk patients

TBS can help reclassify patient fracture risk. Its maximal impact is observed in patients with low/normal BMD values who display low TBS scores and consequently have a higher combined risk profile.

¹Adjust Fracture Probability by Trabecular Bone Score », E.V. McCloskey et al., CTI 2015

²A meta-analysis of trabecular bone score in fracture risk prediction and its interaction with FRAX », J. Kanis et al., WCO-IOF-ESCEO 2015



Integration and immediate results

Fast and easy to use, TBS iNsignt installs on GE bone densitometers and integrates into the DXA workflow.

- No additional scan time or radiation exposure to patients
- Enables retrospective analysis of completed DXA scans
- TBS Report displays and prints automatically within seconds of having completed a routine spine scan
- FRAX adjusted for TBS automatically computed and displayed on the TBS Report.

Catalog #	Description
E63701AF	TBS iNsignt v3.0 (with calibration phantom)
E63701AG	TBS iNsignt v3.0 (without calibration phantom)
E63701AH	TBS iNsignt Upgrade to v3.0 (out of warranty)
E63701AC	TBS calibration phantom v3
E63701AD	TBS DICOM option

All catalog numbers listed may not have achieved regulatory clearance in all regions. Please contact your local GE Healthcare representative for availability in your area.

Learn more

Contact your local GE Healthcare representative.

www.gehealthcare.com/accessories

Specifications	
Compatibility	GE Lunar: Prodigy and iDXA. (DPX Series is not supported.) Compatible with enCORE™ software from v.8.10. Please check with your local GE representative for most up to date enCORE software compatibility.
Operating system	Windows XP (SP2), Vista, Seven
Ethnicity reference curves available	American men and women (Caucasian, Black and Hispanic), European men and women, Latin American men and women, Japanese women
Acquisition modes	DXA scans acquired in Standard, Thin or Thick modes
TBS DICOM module	Required for communication with PACS systems (optional)
Reporting	Automatic and customizable patient reports
Installation and Service	GE Healthcare authorizable patient report
Training	Clinical applications training and certification available online.
Software license	The TBS iNsignt software license is assigned to a specific DXA system serial number and is calibrated using a dedicated TBS phantom

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