

TBS iN Insight v3.0

Enhance the Prediction of Patients' Fracture Risk

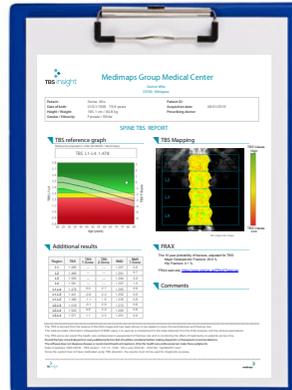
Boost the Performance of Bone Densitometry & Add Value to Your Clinical Practice



Improve Identification of Patients' Fracture Risk with TBS

TBS iN Insight™ - an advanced imaging software for bone densitometers (DXA) - enhances the ability to predict osteoporotic fracture risk. The result - expressed as a Trabecular Bone Score (TBS) - derives from a patented algorithm that evaluates pixel gray-levels and spatial variations in the AP spine DXA scan, providing an indirect, yet highly correlated, index of bone microarchitecture that is mostly independent of bone mineral density (BMD), clinical risk factors and FRAX®.

TBS' maximal impact is observed in patients with osteopenic/normal BMD values who display low TBS scores and consequently have a higher combined risk profile. Furthermore, when added to FRAX, TBS' greatest utility is seen in patients whose BMD is close to an intervention threshold.



TBS iN Insight v3.0 Features

- ◆ Automatic detection of compatible AP spine DXA scans
- ◆ Evaluates an index of microarchitecture in routine clinical practice by analyzing AP spine scans
- ◆ Automatically incorporates FRAX adjusted for TBS
- ◆ Monitoring trend curve including LSC
- ◆ Allows retrospective analysis of patient BMD database
- ◆ User interface, patient report available in various languages
- ◆ Online training & certification
- ◆ TBS DICOM module required for communication with PACS systems (optional)
- ◆ TBS iN Insight software license is assigned to a specific DXA system serial number and is calibrated using a dedicated TBS phantom
- ◆ TBS iN Stats module included (information on back page)

FAST: no additional scan time, immediate results

SAFE: no additional radiation to patients. TBS derived from routine DXA exams

EASY: automatic TBS report with BMD, TBS, FRAX adjusted for TBS

DIFFERENTIATES DXA clinics and can increase patient referrals

Compatibility

GE Lunar Systems

List of current compatible bone densitometers with TBS iN Insight

iDXA™
Prodigy™ Series (all models)

List of current BMD software versions compatible with TBS iN Insight

enCORE™ versions from 8.10 to 17.01

Ethnicity reference curves include

Ethnicities	Women	Men
European	x	x
American Caucasian*	x	x
American Black*	x	x
American Hispanic*	x	x
Latin American	x	x
Japanese	x	-

*NHANES

Clinical Validation

- ◆ More than 220 peer-reviewed publications
- ◆ Already included in international and national guidelines (e.g. ISCD, ESCEO, DVO, NOGG)
- ◆ TBS adjusted FRAX (approved by FDA)
- ◆ Thousands of TBS users worldwide



TBS iNstats is a TBS iNlight feature that allows you to analyze your complete TBS patient database and to generate reports on patient distributions. It automatically generates patients' lists for the selected risk categories.

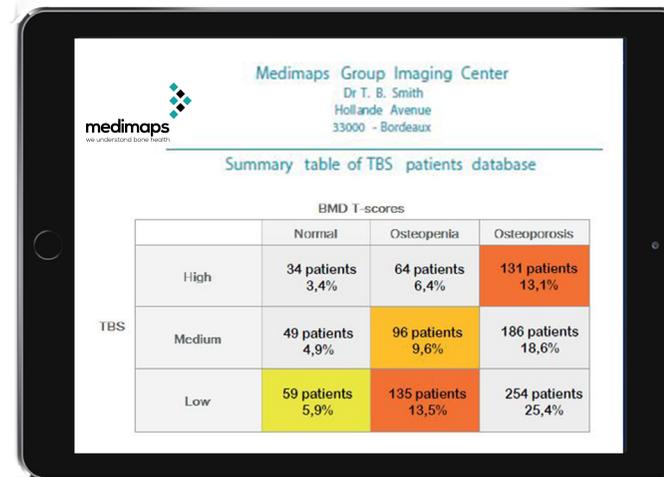
TBS iNstats can help focus clinical attention on those patients whose relative risk of fracture is deemed to have changed as a result of a new TBS score. It will help you to report-out patient data to prescribing doctors, showing that, e.g. some of their patients are at risk contrary to what would be expected from BMD alone. This could also enhance the communication with your prescribing doctors and could boost the success of your business.

Therefore, TBS iNstats is a valuable add-on to TBS iNlight v3.0 that could improve and facilitate the management of patients who did not benefit from TBS analysis before. It is available as a standard with TBS iNlight software v3.0.

TBS iNstats Features

- ◆ Intuitive selection of patients' risk categories
- ◆ Comprehensive filters to personalize reports
 - Referring physicians
 - Examination date period
 - Various BMD & TBS risk categories
- ◆ Automatic report generation
 - Global analysis of the medical center database
 - Identification of patients from sub-categories of risk based on both BMD and TBS thresholds
 - Possibility to filter (e.g. referring physicians, date)
 - Corresponding patients' list reports (patient information; BMD, TBS, FRAX Adujsted for TBS)
- ◆ Patients' report export in pdf and csv (excel compatible) format
- ◆ Report customization: medical center logo and header

TBS iNstats facilitates the integration of TBS into the overall bone fracture risk assessment.
EASILY identify patients at high risk of fracture based on BMD, TBS & FRAX adjusted for TBS
OPTIMIZE your patient monitoring & outcomes
PROMOTE your best-in-class DXA practice with TBS in line with ISCD & ESCEO recommendations
ENHANCE communication with your prescribing doctors

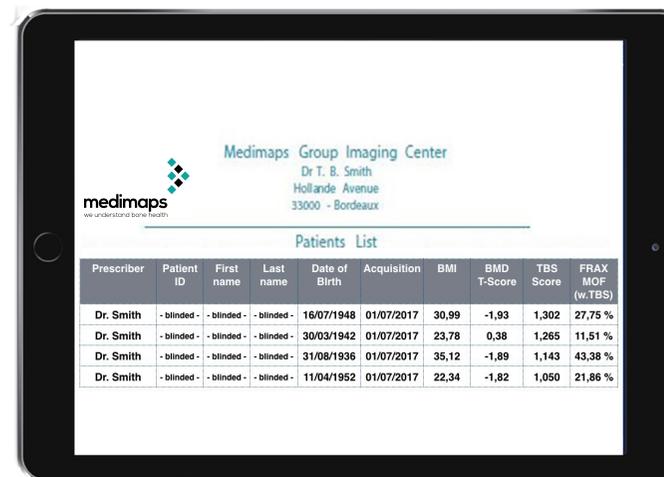


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Summary table of TBS patients database

		BMD T-scores		
		Normal	Osteopenia	Osteoporosis
TBS	High	34 patients 3,4%	64 patients 6,4%	131 patients 13,1%
	Medium	49 patients 4,9%	96 patients 9,6%	186 patients 18,6%
	Low	59 patients 5,9%	135 patients 13,5%	254 patients 25,4%

Filter on referring physicians and BMD / TBS risk categories for generating patients' lists on selected risk categories



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Patients List

Prescriber	Patient ID	First name	Last name	Date of Birth	Acquisition	BMI	BMD T-Score	TBS Score	FRAX MOF (w. TBS)
Dr. Smith	- blinded -	- blinded -	- blinded -	16/07/1948	01/07/2017	30,99	-1,93	1,302	27,75 %
Dr. Smith	- blinded -	- blinded -	- blinded -	30/03/1942	01/07/2017	23,78	0,38	1,265	11,51 %
Dr. Smith	- blinded -	- blinded -	- blinded -	31/08/1936	01/07/2017	35,12	-1,89	1,143	43,38 %
Dr. Smith	- blinded -	- blinded -	- blinded -	11/04/1952	01/07/2017	22,34	-1,82	1,050	21,86 %

Graphically visualized distribution based on BMD & TBS

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