TBS Osteo™

TBS Osteo & DXA

Better Together

If you are managing patients at risk for osteoporosis, adding TBS to your DXA scans will enable you to identify up to **30% more patients** at high risk of fracture[1]

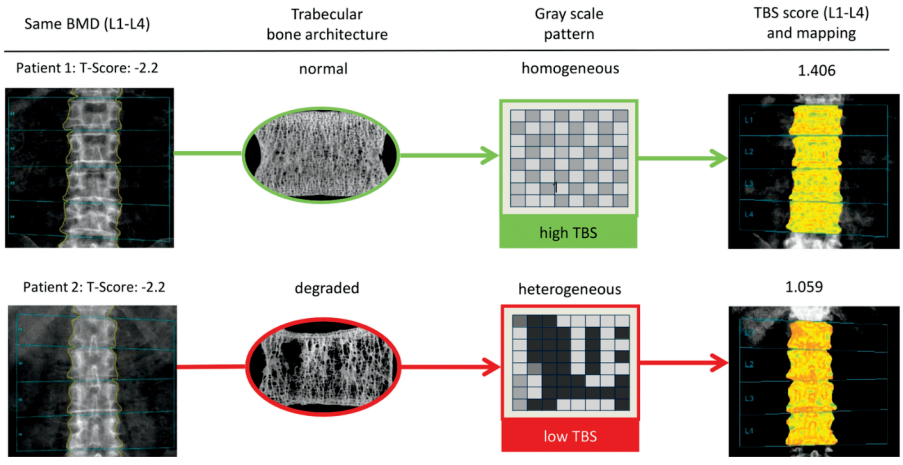
What is osteoporosis?

A silent systemic skeletal disease characterized by low bone mass and a micro-architectural deterioration of bone tissues leading to an increase in bone fragility and increased risk of fracture.

DXA + TBS = Density + Structure
BMD alone is just half the story

What is TBS (Trabecular Bone Score)?

TBS Osteo™, developed by Medimaps Group, is a state-of-the art software technology to evaluate bone micro-architecture in patients during a standard lumbar spine DXA scan, thus providing the missing link you need to identify more patients at high risk of fracture.



Know more with TBS

Figure 1: The TBS value is derived from an algorithm that analyzes the spatial organization of pixel intensity which corresponds to the differences in the X-ray absorption power of an osteoporotic bone versus a normal trabecular pattern[2]

Ordering TBS, What You Need to Know

Is TBS clinically validated?

- >1,500 published papers supporting TBS as a tool for evaluating bone quality.
- TBS Osteo™ has been FDA approved since 2014 as a complement to DXA analysis of the AP Spine to calculate a TBS score that can then be used in conjunction with other risk factors to diagnose osteoporosis and assess risk of fracture.[3]
- Over 3.5M TBS procedures worldwide.

Why should I order TBS with a DXA scan?

- 50% of fractures occur in the normal/osteopenic BMD zone.[4]
- Fine-tune therapy decisions and monitor changes in primary and secondary osteoporosis.
- No additional radiation or scanning required for TBS results.

Who qualifies for TBS?

According to ISCD guidelines, any patient eligible for a BMD study also meets the criteria for TBS.

What information will I receive?

Typically, you will receive an interpretive report from radiology that includes the patient's BMD results, as well as the TBS results of the AP Spine*. You may also receive FRAX® adjusted for TBS, BMD and the BMD T-Score adjusted for TBS.

*TBS results are only available for AP Spine

Where can I find more information?

https://www.medimaps.ai/

Know more with TBS

References:
1. The Manitoba Study: Prospective study that aimed to elucidate the ability of lumbar spine TBS to predict future clinical osteoporotic fractures. Sample: 29,407 women age 50 or older at time of baseline in the Canadian province of Manitoba, mean follow-up time of 4.7 years. Hans et al. ,2011, J. Bone Miner. Res. 26.
2. Silva, B. C. et al. Trabecular bone score: a noninvasive analytical method based upon the DXA image. J. Bone Miner. Res. Off. J. Am. Soc. Bone Miner. Res. 29, 518–530 (2014).
3. FDA 510K K152299 on file
4. Siris et al. Arch Intern Med. 2004; 164:1108-1112 The NORA cohort

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