

Patient ID: Height - Weight - BMI: beferring physician:

Humphrey, Jenny 752-99-6574 154.7 cm - 63 kg - 26.3 kg/m²

8G02

Date of birth - Age: Gender - Ethnicity: Acquisition date:

10/12/1950 - 65 years Female - White

BONE HEALTH REPORT

TBS Values

TBS Mapping



Skeletal Status Assessmen steoporosis is a systemic skeletal disease characterized by low bone mass The FRAX® 10-year probability of fracture. The TBS is derived from the texture of the DXA image and has been shown

to be related to bone microarchitecture and fracture risk. It provides For purpose of clarity, "Bone Resilience Index" is defined as the combination

of SMD T-score and TBS categories. The Bone Resilie established based upon level of fracture risk 2



TBS Spine Results

TBS L1-L4 = 1.151 - Degraded microarchitecture



Therapeutic Decision Tools

Type of Fracture Risk adjusted for TBS*

Reported Risk factors beside BMD: glucocorticoids, rheumstold arthritis The BMD T-score:

RMD Bone Site Femoral Neck <-

* Validated for Caucasian women only *. The greyed cell is the minimum value. The arrow displayed near the hip bone sales recreated the hip side of the suam : *- for





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BONE HEALTH REPORT

Noteiled Spine Results

3 Detailed opine recounts				
Region	TBS	TBS Z-score	BMD (glom²)	BMD T-score
L1	1.057	-	0.807	-1.7
L2	1.227	-	0.798	-2.1
L3	1.183	-	0.841	-2.2
L4	1.137	-	0.912	-1.4
L1-L4	1.151	-1.4	0.842	-1.9
L1-L3	1.156	-1.4	0.815	-1.8
L1-L4(L3)	1.141	-1.3	0.843	-1.7
L1-L4(L2)	1.126	-1.3	0.857	-1.8
L2-L4	1.183	-1.5	0.853	-2.1
L1-L2	1.142	-1.3	0.801	-1.6
L1-L3(L2)	1.120	-1.4	0.824	-1.7
L1-L4(L2L3)	1.097	-1.1	0.884	-1.6
L2-L3	1.205	-1.6	0.819	-2.2
L2-L4(L3)	1.182	-1.4	0.859	-2.0

FRAX Curve



Conclusion

The Lumbar spine TBS is 1.151 which suggests a degraded Date of report generator: 14/09/2023 12:05:25 microarchitecture compared to reference population.

The patient's associated BMD and TBS values suggest a Low resilience to fracture

Furthermore, the minimum BMD T-score (either adjusted or not for TBS), positions the patient in the Osteoporosis category equivalent. The patient's FRAX results should be interpreted in regard to the intervention thresholds provided by national medical guidelines. Final decision regarding diagnostic or therapeutic recommendations

should include BMD. TBS, additional clinical risk factors as well as the clinical context of the patient.

Notes & References

Date of analysis: 10/04/2016 - TBS (Naight version 3.1.2)

1. Consensus Development Conference. Am J Med 94, 646-650 (1994)

 Adapted from J. Bone Miner. Res. 25, 2762–2769 (2011) 3. Calcif Tissue Int. 96, 500-509 (2015) 4. Adapted from Osteoporos Int. 29, 751-758 (2018)

