

DEXXUM T BEYOND DEXXUM T

Quantum

New fan beam DXA



DEXXUM T Quantum, the Central new fan beam DXA(Dual energy X-ray Absorptiometry) bone mineral densitometry can be installed regardless of the location due to its compact design concept. It is the quickest way to undertake measurement for patients with the most comfortable posture.

Technical specifications

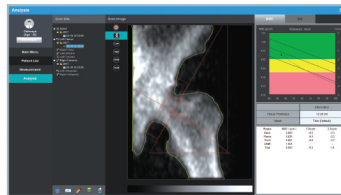
- Central DXA(Dual energy X-ray Absorptiometry)
- Fan beam
- Scan site : AP spine, Femur(Dual femur), Forearm
- Scan area : 580 × 480 mm
- Scan time : AP spine - 36Sec.
Femur - 27Sec.
Forearm - 24Sec.
- Automatic real one-scan
- Reproducibility : ≤ 1.0% C.V.
- Measured parameter : BMD, BMC, BMI, T-score, Z-score, Area
- FRAX / Color mapping / Trend report / DICOM & PACS
- Dimension : 2000 × 800 × 1213 mm(Standard)
1900 × 800 × 1213 mm(Medium)
1850 × 800 × 1213 mm(Compact)
- Table height : 650mm
- Weight : 130.5Kg
- Power consumption : 110VAC / 220VAC (+/- 10%)



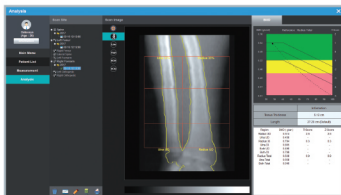
Image analysis



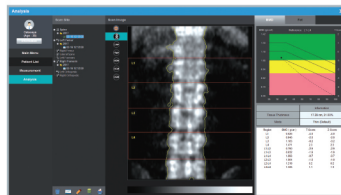
Main user interface



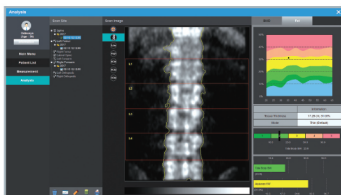
Femur



Forearm



spine



spine fat

Result report

Fracture Risk Assessment Index (FRAX®)

*The FRAX tool has been developed by WHO to evaluate fracture risk of patients. It is based on individual patient models that integrate the risks associated with clinical risk factors as well as bone mineral density (BMD) at the femoral neck.

PatientID	Patient Name	PrintDate
29	김희원	2015-9-23 10:57:54

Prediction of Major Osteoporosis: BMD(Bone Density) Risk Factor

측정결과 Measurement Results

환자 ID: 29, 성명: 김희원, 생년월일: 1958-05-09 (56), 키: 156.0 cm, 체중: 68.0 kg, 성별: 여성, 국적: KOREAN, 유방 노출: 2016-11-30

측정결과개요 Overview

BMD(Bone Density) Spine: L1-L4: -1.2, -0.7, 0.071, 0.07, 0.20

요추분석 Site Analysis

Site	BMD (g/cm³)	T-Score	Z-Score	FRAX (g) Area (cm²)
L1	0.901	-1.308%	-0.920%	13.41 14.87
L2	0.995	-1.405%	-0.920%	14.85 16.30
L3	1.000	-1.030%	-0.920%	15.10 16.10
L4	1.019	-0.901%	-0.920%	17.76 17.48
L1-4	0.959	-1.305%	-0.920%	20.10 20.26
L1-4	0.962	-1.207%	-0.920%	43.19 46.26
L1-4	0.971	-1.020%	-0.920%	69.97 62.00
L2-4	0.977	-1.207%	-0.920%	29.78 30.48
L2-4	0.992	-1.105%	-0.920%	42.06 42.23
L3-4	1.010	-0.930%	-0.920%	32.88 32.66

일대적 및 상대적 분석 T-Score & Z-Score

환자 T-Score: -1.2, -0.7, 0.071, 0.07, 0.20

이력분석 History Analysis

Item	Value
나이 (yr)	56.0
성별 (gender)	F
BMI (kg/m²)	28.1
BMD (g/cm³)	0.959
T-Score	-1.2
Z-Score	-0.7
Score Calc	0.071

위험도 평가 Risk Factor

이러한 위험도를 평가하기 위해 FRAX®는 다음과 같은 위험 인자를 고려합니다. 이 위험 인자는 골밀도 측정 결과와 함께 골절 위험도를 평가하는 데 사용됩니다.

위험 인자: 나이, 성별, BMI, BMD, T-Score, Z-Score, Score Calc

결과 및 의사정보 Decision Info

Operating department: 1
Reference Doctor Name: Doctor Name
Doctor Address: Address_001234

AP spine & FRAX report