OsteoGram®

Bone Density Measurement Software

for DICOM Compliant Systems

The OsteoGram® software works in combination with any standard or digital x-ray equipment to support osteoporosis screening/diagnosis. You take a simple low-dose hand x-ray and forward the file to the OsteoGram software for analysis

While breast cancer is a substantial financial burden ($6 billion) on the U.S. healthcare system, the cost of osteoporosis is considerably more ($16 billion)!

Osteoporosis - an underdiagnosed and undertreated silent disease

One out of every two women over the age of 50 will experience an osteoporosis-related fracture in her lifetime. Yet many women do not realize that they are at risk for osteoporosis until they suffer the debilitating consequences.

Improve patient care in your facility by providing quality bone density testing

The NOF and IOF recommend testing bone density for early detection as well as monitoring the treatment of osteoporosis. Government regulations (e.g., HEDIS 2004) are addressing health care quality issues as a performance measure for health plan accreditation. Osteoporosis management is a priority.

Eliminate redundant hardware

Workstation consolidation is a recent trend that allows you to increase the utilization of your equipment. Providing quality osteoporosis patient care does not require the acquisition of dedicated equipment, computers, space and staff. The OsteoGram is installed on your existing imaging workstation.

Obtaining the OsteoGram software is a wise financial decision

The combination of digital radiology equipment and OsteoGram software is a cost effective means of improving utilization. The reimbursement revenue of BMD testing may significantly offset the cost of your digital x-ray equipment.

OsteoGram technology will have applications beyond osteoporosis

The patented OsteoGram technology will be applied to a suite of value-added applications. Today's OsteoGram is the beginning of a series of sound investments for tomorrow's patient care.

The National Osteoporosis Foundation (NOF), www.nof.org
International Osteoporosis Foundation (IOF), www.osteofound.org
The Health Plan Employer Data and Information Set (HEDIS), www.ncqa.org/Programs/HEDIS

DataStream Medical Imaging Systems

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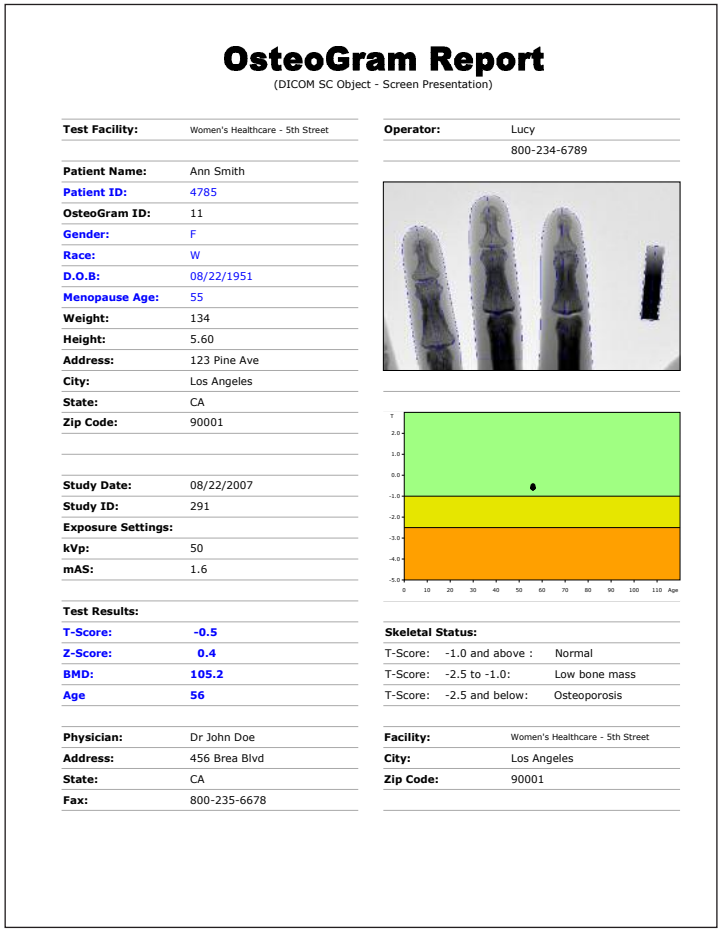
OsteoGram is backed with clinical studies where more than 130,000 tests were performed

- FDA cleared to screen, diagnose and monitor therapy for osteoporosis
- Fully automated analysis requiring no expertise
- Uses the Radiographic Absorbtiometry (RA) technology with negligible radiation
- High correlation to DXA (r=0.87)
- Excellent correlation to Ash Weight (r=0.98) ensures accuracy
- Less than 1% precision error allowing monitoring bone density changes over time
- Highly predictive of overall fracture risk
- T-score and Z-score reports for effective detection and diagnosis of osteoporosis

The OsteoGram software provides the diagnostic accuracy of a DXA scan with the convenience and ease of a standard in-office x-ray procedure.



OsteoGram Report

(DICOM SC Object - Screen Presentation)

Test Facility:	Women's Healthcare - 5th Street	**Operator:**	Lucy
			800-234-6789
Patient Name:	Ann Smith		
Patient ID:	4785		
OsteoGram ID:	11		
Gender:	F		
Race:	W		
D.O.B:	08/22/1951		
Menopause Age:	55		
Weight:	134		
Height:	5.60		
Address:	123 Pine Ave		
City:	Los Angeles		
State:	CA		
Zip Code:	90001		
Study Date:	08/22/2007		
Study ID:	291		
Exposure Settings:			
kVp:	50		
mAS:	1.6		
Test Results:		**Skeletal Status:**	
T-Score:	-0.5	T-Score: -1.0 and above :	Normal
Z-Score:	0.4	T-Score: -2.5 to -1.0:	Low bone mass
BMD:	105.2	T-Score: -2.5 and below:	Osteoporosis
Age	56		
Physician:	Dr John Doe	**Facility:**	Women's Healthcare - 5th Street
Address:	456 Brea Blvd	**City:**	Los Angeles
State:	CA	**Zip Code:**	90001
Fax:	800-235-6678		

The OsteoGram software determines bone mineral mass and bone volume from radiographic scan data. The bone mineral density is calculated and compared to normal healthy bone generating both T-score and Z-score on a printed graphic report for patient management.

BMD Method Comparison

Method	Precision (Error)	Accuracy (Error)	Total Time (Minutes)	Special Training
OsteoGram	<1%	4-5%	3 (includes x-ray)	No
DXA Central	1-2%	4-8%	15	Yes
DXA Peripheral	<1-2%	4-6%	7	Yes
Ultrasound	1-10%	Undefined	3	No

Data on file

Call DataStream today to make OsteoGram a part of your practice

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