

Bone Density : Christine Jade Anderson, Penrad Main Clinic
 Gladys Y. Aanenson DOB: 10/10/1950 AGE: 61 F PID: 223239758 9/27/2012 14:09:26

Risk Factors Add Text
 Caucasian race
 Asian race
 Advanced age
 Early or surgical menopause
 Long term use of corticosteroids
 Maternal history of osteoporosis
 Low height/weight ratio
 Prolonged bed rest
 History of previous fracture
 High alcohol consumption
 Diet low in calcium
 Cigarette smoking
 Diet high in protein/phosphates
 High caffeine consumption

Clinical Data Add Text
 Post menopausal
 Perimenopausal
 Estrogen deficient
 Clinical risk for osteoporosis
 Follow up to previous study
 FU after initiating bone preserving meds

BMD Change
 n/a
 Not Significant
 Decrease
 Increase

Recall Interval
 No Recall Msg
 6 months
 1 year
 2 year

Impression
 Cannot be assessed
 Normal Exam Bone
 Medium Osteopenia BMD -1 to -2.99
 High Osteoporosis BMD <= -2.5
 Severe Osteoporosis BMD <= -2.5
 Borderline Osteopenia BMD
 BMD normal for age
 BMD below for age

Recommendations Add Text
 Estrogen replacement therapy
 Weight bearing exercises
 Calcium & vitamin D supplements
 Recheck of BMD in 1-2 years
 Pt consult w/primary care provider
 Further BMD testing
 Post Menopausal BMD test

Patient Letter Toggle Risk
 No Letter
 Normal Exam Bone
 Major: 34.1%
 Hip: 53.1%

New	Date	Side	Region	BMD	stdT	T	Z	%Ref	%Age	Risk	Machine	Tr
Edit	9/13/10	R	Femur Neck	1.047	1.11	0.10	1.40	101.0	123.0	normal	Lunar	st
Edit	9/13/10	L	Femur Neck	1.050	1.11	-0.10	1.20	99.0	120.0	normal	Lunar	st
Del	9/13/10	O	Dual Femur	1.097	1.11	0.70	1.70	109.0	125.0	normal	Lunar	st

(1) Added two additional assessment categories for region scanned and overall assessment for premenopausal patients; BMD normal for age and BMD below for age (z-score). (These assessments categories remove references to the WHO Criteria in the narrative report.)

(2) Added the ability to capture and incorporate the FRAX major and hip fracture index percentages into the report. To include FRAX data, tap the FRAX button and enter values. Reference to FRAX information appears in findings.

Expanded the formatting option to display scan data in row and column format on report in addition to paragraphical sentence layout by scan region. The row and column format places similar regions in chronological descending order and each row then displays the individual data sets, and the last row beneath oldest region scanned displays a summary of the computed differentiation values and percentage from current scanned region to oldest region.

Also available to automate report generation with row and column format is the option to "AutoSelect" comparison scans for similar regions scanned in current study.

The first generation of direct import of scan data into the DEXA report from the imaging study DICOM file is now available. This eliminates manual scan data input by automatically populating scan region and values into the narrative the report directly from the modality.

By compounding direct scan import with DEXA AutoSelect for comparisons scans, narrative report approval only requires selection of impression and review of the report.

PenRad also offers the direct import feature for tissue density, CAD marks and abnormalities for mammography as well as direct import of ultrasound measurements.

A special thanks to the Hologic team and our clients that requested a DICOM SR for DEXA, so all can benefit from direct scan data import. The SR will require Hologic DEXA software upgrade.

Recommendation for product development?

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