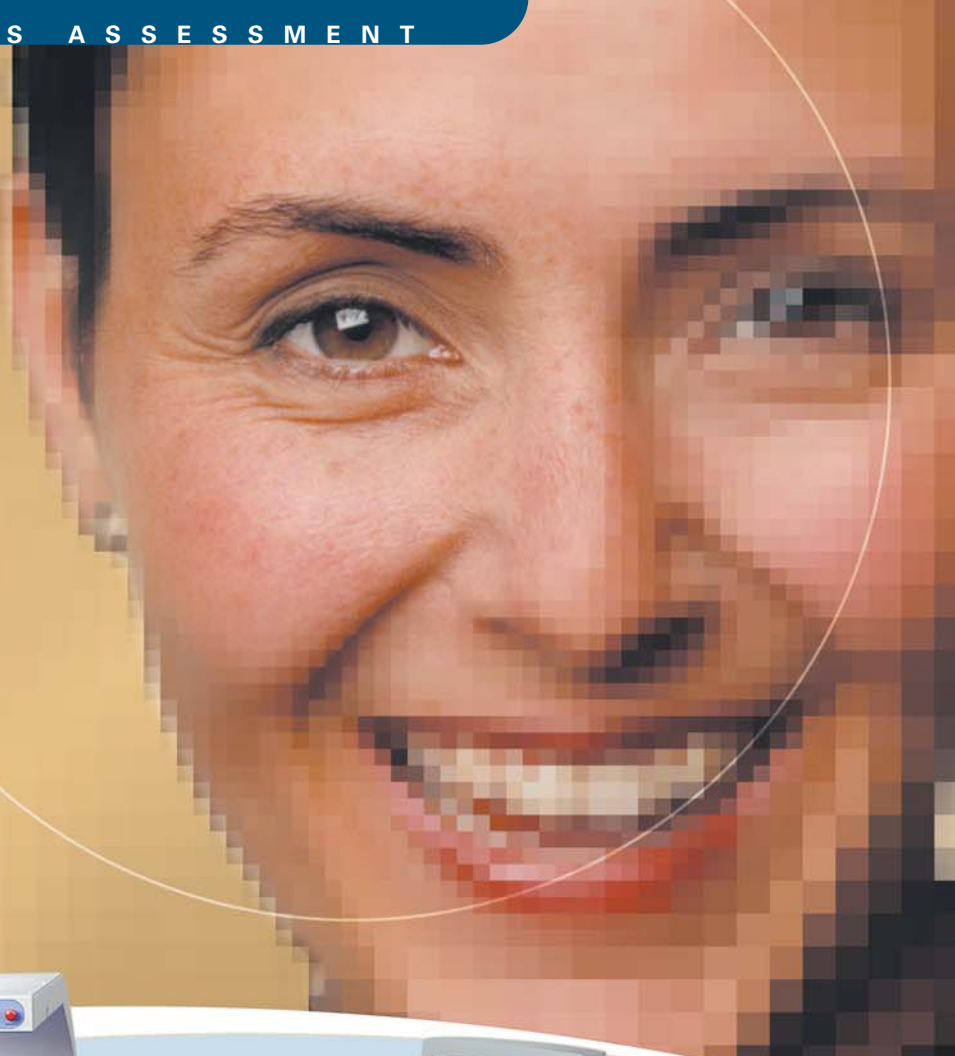CLARITY OF
Vision

Explorer™

Fan-beam DXA for the Cost-Conscious Practice

HOLOGIC®

CLARITY OF VISION

A Milestone
in the assessment of osteoporosis

Explorer (ik-splor'er) n.—

One who carefully searches or examines for the purpose of discovery.

The QDR Explorer™—Hologic's newest bone densitometer—utilizes our exclusive OnePass™ fan-beam technology to perform precise bone mineral density (BMD)measurements. Powered by a multi-element solid-state detector array, Explorer comes equipped with many features found on our high-end DXA systems, but at a price comparable to older pencil-beam technology.

The evaluation of bone health has become an essential component of women's wellness. Meet this growing demand and expand your practice with Explorer. Explorer's unique combination of workflow enhancements, electronic reporting capabilities and fan-beam technology meet your high standards of patient care and productivity.

Multiple Detector Array

X-Ray Fan Beam

Linear Scan Path

X-Ray Source

Y Drive

C-Arm
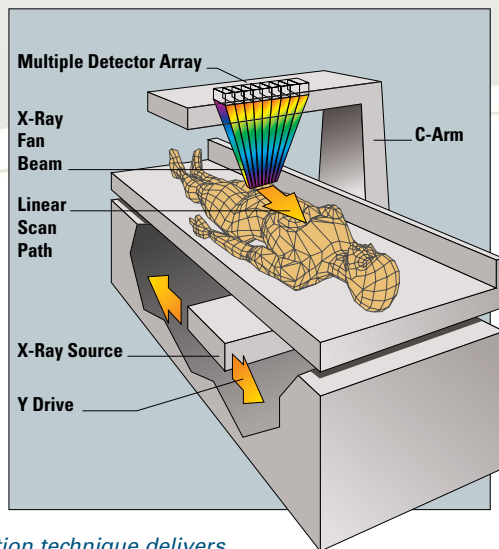
OnePass acquisition technique delivers precise BMD results in a single sweep.

OnePass™ Technology

OnePass technology's single sweep scanning enables superior image quality and unparalleled precision. Developed from a proven technology platform, Explorer's high performance is made possible through several proprietary technologies.
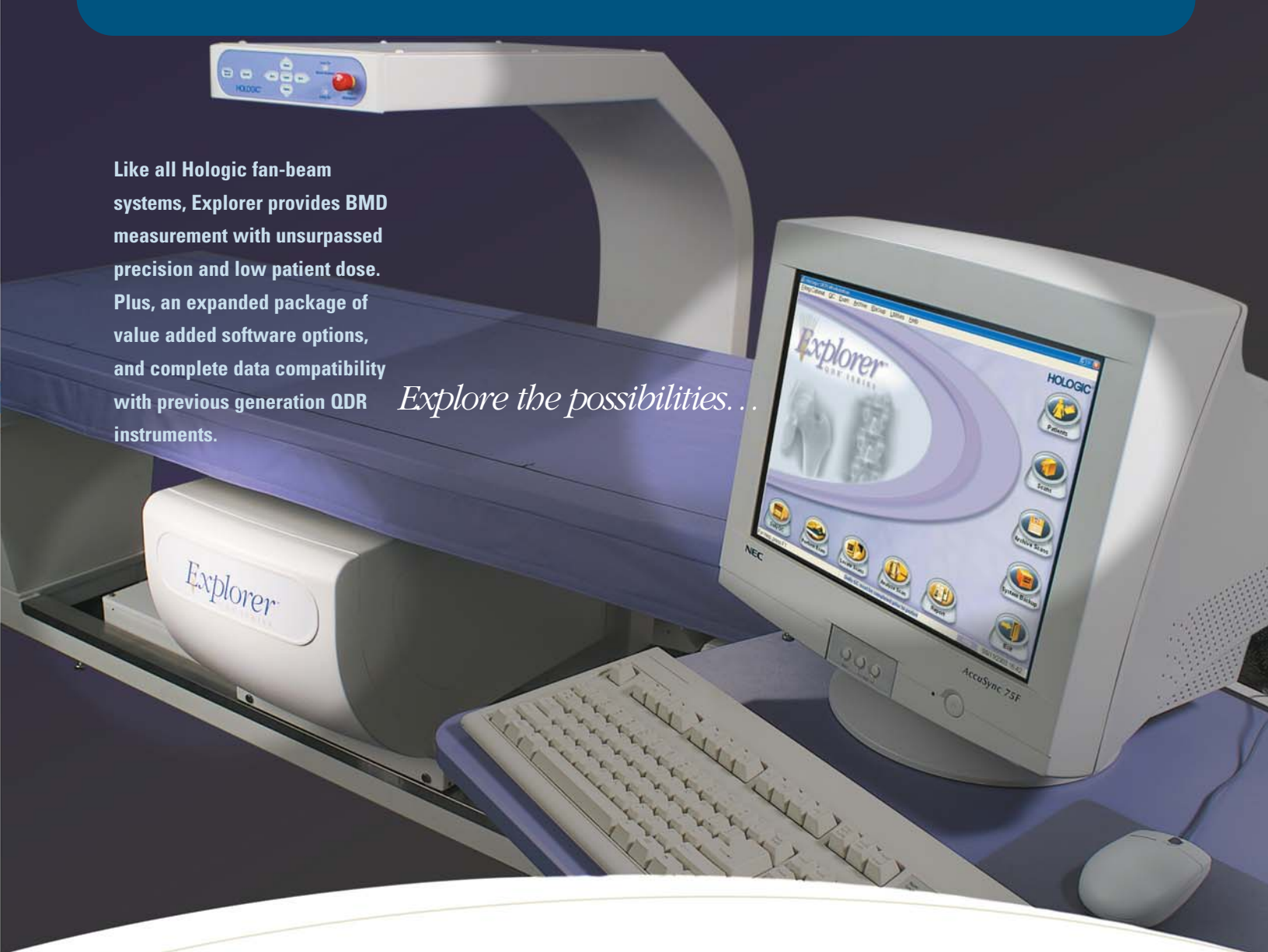
True Fan-beam Geometry

Explorer's exclusive design, similar to that found on CT scanners, utilizes a multi-element detector array paired with true fan-beam acquisition geometry. The true fan-beam design enables rapid, dual-energy bone density measurements.

Internal Reference System

Hologic's patented Internal Reference System provides automatic pixel-by-pixel calibration assuring precise BMD results, test after test, year after year.

Hologic Anthropomorphic QC Phantom

Hologic's Anthropomorphic Spine QC Phantom confirms system stability with a life-like standard.

See specifications for availability of options.

Like all Hologic fan-beam systems, Explorer provides BMD measurement with unsurpassed precision and low patient dose. Plus, an expanded package of value added software options, and complete data compatibility with previous generation QDR instruments.

Explore the possibilities…

Explorer sets a new standard in value and cost-efficiency with features that include:

Precise Bone Density
Spine and hip BMD results with better than 1% precision.

Express Exam™
Enables the operator to establish routine scan protocols with automated scanning and analysis workflow.

Electronic Reporting
The most advanced remote interpretation and reporting software available, including speech recognition compatibility. The IRIS™ Connectivity Suite provides seamless integration with existing healthcare information systems.

Additional Explorer Features
- **Image Repositioning** allows perfect image centering without moving the patient.
- **Dual Hip**™ automatically moves the table and C-arm into position for a "mirror" image and measurement of the opposite hip and allows identification of the lowest BMD site for improved clinical assessment.
- **OneTime**™ **Auto Analysis** delivers expertly analyzed hip and AP spine scans instantly. Automatically identifies the region of interest, virtually eliminating operator intervention.
- **Automatic Low Density Spine and Hip** Advanced analysis algorithms automatically detect bone edges in low-density patients, minimizing operator intervention.
- **Scoliotic Spine Analysis** tailors vertebral BMD assessment to the unique curvature of a patient with scoliosis.
- **Automatic Locate** feature internally records and monitors the location of patient data saved to a storage media, eliminating the need to log patient data.
- **Pediatric Reference Data*** for children. The database provides whole body, hip and AP spine reference data for North American, Caucasian boys and girls.
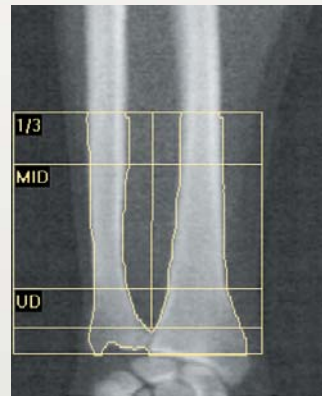
*Optional software. For investigational use in the U.S.

Clinical Applications
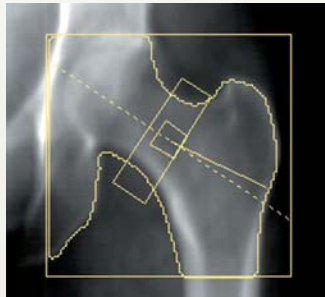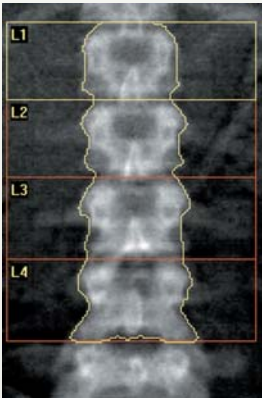
AP Spine and Proximal Femur

Explorer provides unmatched precision for lumbar spine and proximal femur studies. Ninety-second AP spine and proximal femur precision is better than 1.0% (CV at BMD=1.0g/cm²).
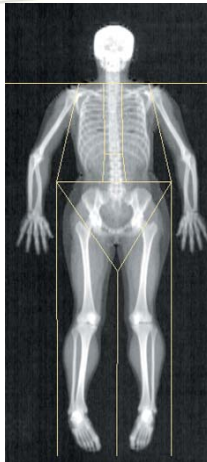
Forearm*

Explorer produces simultaneous assessments of 1/3, mid-, and ultra-distal regions. Radius and ulna can be analyzed either separately or combined.

Whole Body/BMD Analysis*

Explorer can evaluate BMD of the entire skeleton and report on up to 10 adjustable regions of interest.

Body Composition Analysis*

Explorer software enables evaluation of fat mass, lean mass and total mass for the entire skeleton and for individual sub-regions. Both BMD and body composition can be derived from a single whole body scan. Hologic fan-beam technology is the technology of choice for major government-sponsored and pharmaceutical body composition studies. Hologic's exclusive Tissue Calibration Step Phantom, composed of soft tissue and lean tissue equivalent materials, provides the most reliable tissue calibration in the industry.
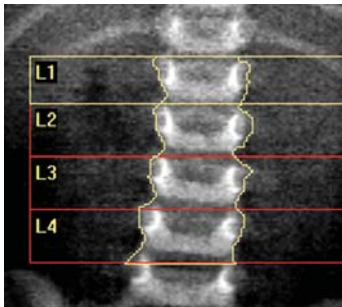
Subregion Whole Body*

Place up to seven user-defined, custom regions for BMD and body composition analysis. Allows comparison to previous exams for patient monitoring.
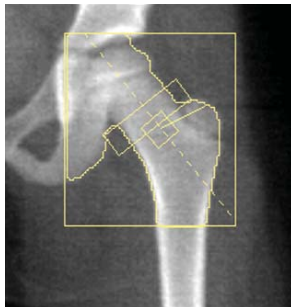
* Optional

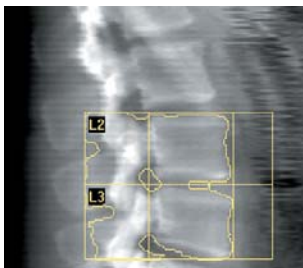See specifications for availability of options.

Pediatric Applications

Pediatric Spine and Femur

Pediatric Whole Body*

Scanning and analysis protocols make Explorer the system of choice for pediatric studies. Advanced analysis algorithms automatically detect and measure very low-density bone.


Decubitus Lateral BMD*

Decubitus lateral spine BMD enables clinicians to obtain quantitative measurements of trabecular-rich vertebral bodies.

Prosthetic Hip*

Bone resorption around a hip prosthesis can eventually contribute to loosening of the implant. Monitoring changes in the bone surrounding the prosthesis provides clinicians with pertinent information regarding bone status and the viability of the implant.

The QDR Prosthetic Hip software option automatically identifies and removes the influence of metal to produce precise BMD measurements.
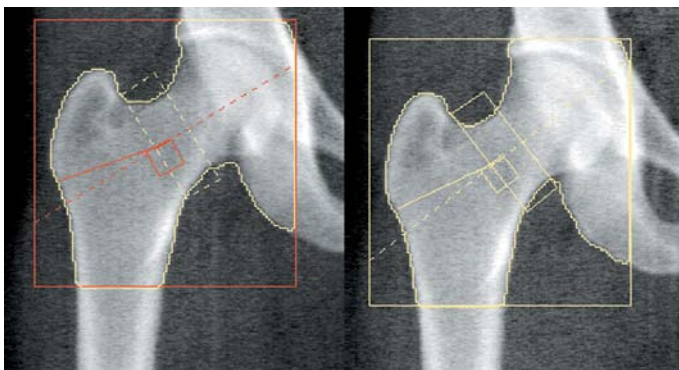
Follow-up Scan   *Baseline Scan*

Scan Comparison

Scan comparison automatically replicates regions of analysis, minimizing operator involvement and procedure time.

* Optional

IRIS™
Connectivity Solutions
Your gateway to true, paperless densitometry

Hologic leads the industry in providing connectivity solutions for bone densitometry systems, streamlining the workflow between and within facilities and workstations. Now physicians and other healthcare providers can transmit, receive, and review patient results virtually from anywhere in the world. With Hologic software, physicians can interpret bone density data from a remote workstation. From entering patient data to physician interpretation, Hologic provides a comprehensive suite of tools to meet your connectivity needs.

DICOM Modality Worklist

HIS/RIS

QDR DICOM

Introducing…

QDR Mobility

The Industry's Only Wireless Mobile Reporting Solution

Introducing QDR Mobility, an exclusive package of mobile reporting tools, enabling physicians to receive BMD studies and generate reports using a wireless network. Now physicians have the option to interpret scans anywhere, anytime, offering the flexibility essential in today's busy medical practices.

- Wireless networking
- Utilize CADfx - point-and-click fracture assessment
- Input patient medical history
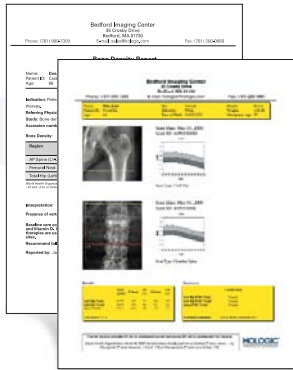- Generate reports
- Receive and interpret BMD and IVA studies

Input Patient Medical History

Mobile Softcopy Review and Reporting

See specifications for availability of options.
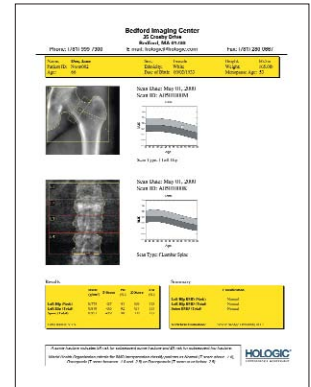
Physician's Report Writer

Physician's Viewer

Physician's Report Writer*

Produces a comprehensive electronic report in Microsoft® Word format for electronic distribution and printing.

## OnePage Dx™ Report*
A comprehensive, one-page report

The OnePage Dx Report presents BMD results in a concise, easy-to-read and interpret format.

Physician's Interpreting Report*
Streamline report writing and workflow

The Physician's Interpreting Report automatically downloads and formats key information into a customizable electronic report that includes patient biographical information, BMD and T/Z-scores. The physician can enter final comments via keyboard, Canned Text Dictionary, or third-party speech recognition.
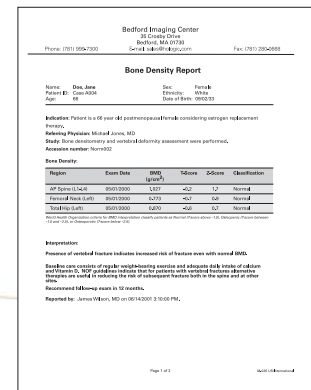
Health Level 7 (HL7) Report (with IRIS Package only)*

The HL7 Report extracts bone density exam results and interpretation as text data from the Physician's Report and formats it for the HIS/RIS system.

Modality Worklist*

The Hologic QDR® for Windows® XP operating system connects to HIS/RIS and HL7, simplifying the exchange of text data between QDR workstations and hospital information systems. The Modality Worklist facilitates workflow and reduces input errors. It allows QDR operators to draw text data—admissions information, the daily order of exams, etc.—from HIS/RIS and view it on the QDR workstation monitor.
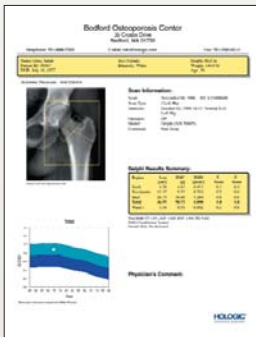
*Optional

Value-added
Features and Options

QDR One-Page Report

Combine image, scan analysis, and reference curves in a concise, easy-to-read, visually impressive, single-page report. The Explorer patient report also contains pertinent patient information and space for diagnosis and comments. Choose from several preformatted templates.

Standard Patient Report

The extensive online database of reference values included with Explorer simplifies interpretation of studies. It includes ethnic-matched reference data and utilities that allow customization of user reference values to the local patient population. Hip reference data are based on NHANES in compliance with standardization criteria.
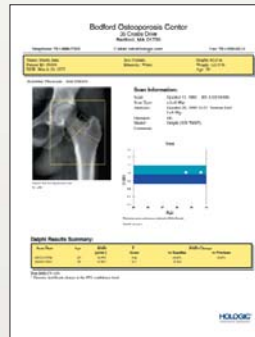
Trend Report

QDR for Windows facilitates serial follow-up of patients. Trend Reports provide an easy method to compare visit-to-visit rates of change. Significant changes in bone mineral status are automatically and clearly noted on the report to facilitate clinical management.

Loaded with new features, Explorer offers a comprehensive package of advanced clinical tools, time-saving conveniences and practice-building aids.

Express Exam™

Enables operators to establish routine scan protocols with automated scanning and analysis workflow.
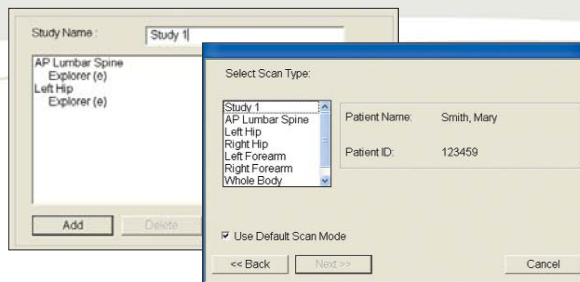
Tech Tips™

Graphical positioning aid demonstrates correct patient alignment, scan start position, and the correct scan, making it easier than ever for technologists to position patients correctly the first time and every time.

DXA Practice Manager™

A complete suite of tools to more effectively manage your practice.

- Patient Call-back List
- Unlimited 800# for Customer Support
- Practice Development Guide
- Osteoporosis Learning Series (up to 16 CME credit hours)
- Two Days ECE Approved Applications Training by Licensed RT
- Reference Database Editor
- Database Export Tools
- Online Data Conversion
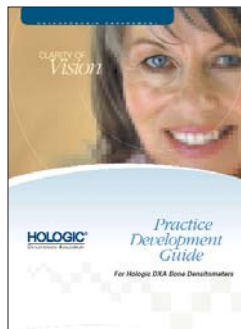
Practice Development Guide

Take full advantage of Explorer's practice-building potential. Contains two CDs with ready-to-print marketing and patient education materials and marketing tips to help you navigate the myriad of marketing and media options.

See specifications for availability of options.

The power of Hologic is the power of clear innovation and a singular

focus . . . to challenge the boundaries of science and technology everyday

to raise the standards of image quality. Our passion has led to

discoveries that contribute to earlier detection, more accurate diagnoses,

and better overall patient care. As we focus on the future, we are bound

by our clarity of vision. A vision created solely to enhance yours.

Osteoporosis Assessment ■ **DirectRay® Digital Imaging**
LORAD® Breast Cancer Detection ■ **FLUOROSCAN™ C-arm Imaging**

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CLARITY OF VISION

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