NEW FOR RSNA 2008 Technical Exhibition Expands to Three Halls

RSNA2008 Personal Learning in the Global Community

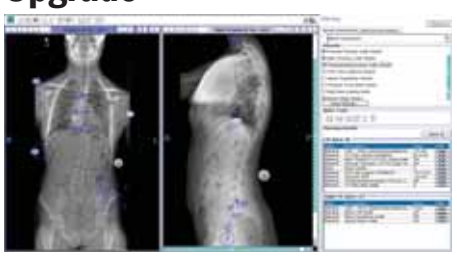
New Products & Services

■ The following new products and services are offered in the technical exhibit areas. Consult the RSNA *Meeting Guide* for the booth number and location of each company.

Imaging Informatics System

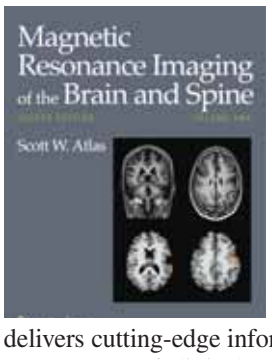
Merge Healthcare's imaging informatics solution, Fusion RIS/PACS MX™, is a uniquely optimized workspace for radiologists. This solution moves beyond simple interfacing of RIS and PACS and provides radiologists with single-desktop access to the Patient Master Jacket, providing all information required for reading and reporting on an exam. The newest release incorporates the ability to deploy standalone RIS, PACS or integrated RIS/PACS, as well as integrated mammography, within the PACS viewer. Optional 64-bit technology within the PACS allows for the efficient management of today's growing study sizes.

Web-based PACS Software Upgrade



OrthoView™ 5.2 Web-based software offers a faster launch time, improved integration and more template-handling capabilities as well as new clinical features. It will be available through several of the leading PACS providers. New clinical features with OrthoView 5.2 include a range of tools for the OrthoView Spine Module such as the Nash Moe Grading Guide, Thoracic Trunk Shift Wizard, a combined Pelvic Incidence, Sacral Slope, Pelvic Tilt Wizard and many more.

Neuroradiology MR Textbook



Lippincott Williams & Wilkins (LWW) releases the Fourth Edition of the Scott Atlas book *Magnetic Resonance Imaging of the Brain and Spine*. This two-volume text delivers cutting-edge information on nearly every aspect of clinical neuroradiology. Expert neuroradiologists, MR physicists and clinical neurospecialists show how to generate state-of-the-art images and define diagnoses from crucial clinical/pathologic MR imaging correlations. Highlights of this edition include more than 6,800 images of remarkable quality, more color images and new information using advanced techniques, including perfusion and diffusion MR and functional MR imaging. A companion Web site provides access to the fully searchable text and image bank.

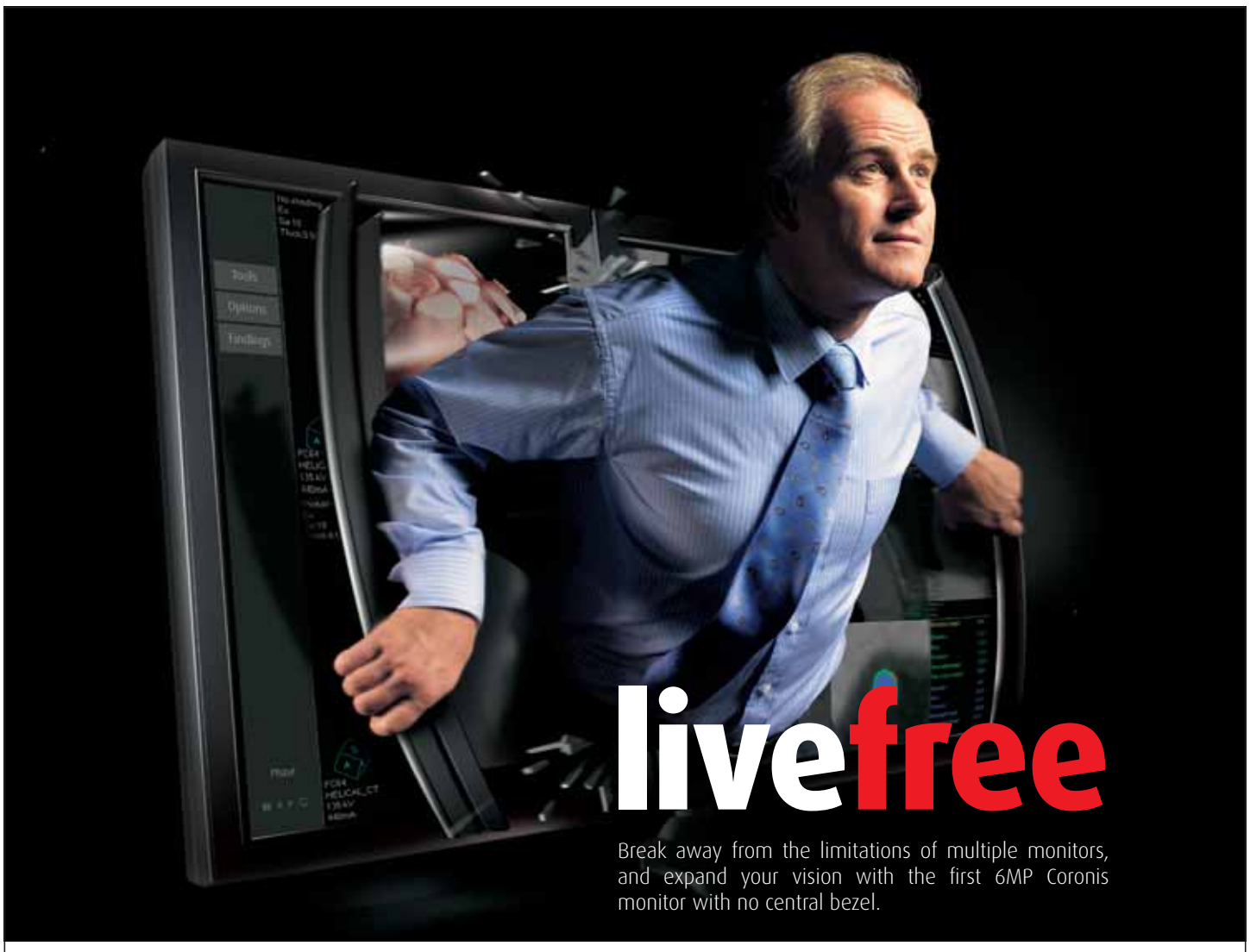
Cardiac Viewing Software

Xelis-Cardiac by INFNITT is a dedicated application for the early diagnosis of cardiovascular disease. Xelis-Cardiac uses a robust algorithm for fast and accurate vessel tracking. Automated rib removal is possible without sculpt process and users can select vessel path with only one click. The Xelis-Cardiac software features an improved user interface, allowing ease-of-use and convenience for soft plaque analysis. It rapidly quantifies coronary artery calcium burden and automatic scoring.

Expanded Teleradiology Services

Imaging On Call (IOC) has expanded services in Colorado, Massachusetts, Tennessee and Ohio. The Joint Commission-accredited teleradiology provider offers flexible service packages including preliminary or final reports, subspecialty or vacation coverage, post-processing and interpretation for CCTA and interpretation for breast MR. IOC's U.S. trained, board-certified radiologists are skilled in all imaging modalities and have subspecialty training in all areas.

The information for these new products and services was provided by the manufacturers. Inclusion in this publication should not be construed as a product endorsement by RSNA.



Coronis Fusion 6MP DL

The first integrated single-head workstation you can use as a wide-screen 6MP display OR as two 3MP displays with no center bezel.

Improves your view with...

- **All-in-one versatility:** grayscale and color on just one screen
- **Large-screen ergonomics:** 30-inch display
- **Diagnostic flexibility:** in any modality
- **Superior image quality:** with all the benefits of Coronis, Barco's leading display

You'll wonder how you ever lived without it.

Find out more at RSNA Booth #6210, Hall A

or visit www.barcomedical.com

BARCO Visibly yours

That's the power to perform.

Connecting Physicians Means Better, Safer Care

Meet Dr. James Jones, Medical Director, Emergency Services, at Southeast Alabama Medical Center (SAMC) in Dothan, Ala.

Overseeing an emergency department that handles 57,000 visits annually, Dr. Jones is always on the go. He wants to increase patient flow, and minimize risk while continuing to provide quality care. Dr. Jones doesn't have time for surprises, and can't afford a breakdown in communication with the Radiology department.

With McKesson, Dr. Jones gets what he wants. SAMC radiologists use McKesson's Horizon Medical Imaging™ PACS to provide better, faster diagnosis of studies for ED patients. They're truly part of his team, affecting real-time care on the front lines. And Dr. Jones wouldn't have it any other way: "We don't have surprises anymore. It's easier to stay connected with our radiologists. And our patients benefit with improved care, with faster care."

Learn more at RSNA. Visit McKesson booth #8328 to hear more about the Southeast Alabama story and how McKesson can connect your radiologists and care team to better, safer care.

www.mckesson.com/rsna08

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Empowering Healthcare

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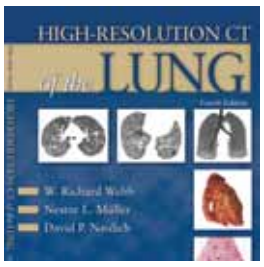
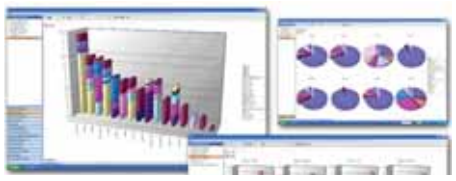
Lung CT Textbook



The fourth Edition of *High-Resolution CT of the Lung* by Drs. Webb, Muller, and Naidich, published by LWW, explains how to use the newest high-resolution CT technology to detect and diagnose lung abnormalities. Still the only complete text on the topic, this compact reference is written by the foremost experts and provides cutting-edge technical and clinical information. It includes high-resolution images of interstitial lung diseases and differential diagnosis tables summarizing key diagnostic features of interstitial and airspace diseases. A companion Web site offers access to the fully searchable text and image bank.

Data Analysis and Quality Measurement



The new version of RadCube™ for Radiology, Nuance Communications' flexible data warehouse designed specifically for radiology business analysis and visualization, provides healthcare organizations the opportunity to expose untapped information inherent in years of clinical data, including business productivity measures, quality assurance metrics, utilization management statistics, throughput calculations and more. RadCube is a powerful OLAP database combined with LEXIMER, a patented natural language processing (NLP) algorithm which structures unstructured radiology report content.

Widescreen Display for Multiple Images

FIMI Philips' 56" widescreen display allows the concurrent analysis of various, multimodal images. The display features 8.3 million pixel resolution (3480 x 2160), high brightness (600 cd/sqm) and contrast ratio (1000:1), wide viewing angle and fast video response (8 msec). This display opens new horizons in the way doctors could deal with medical images, giving them flexibility in positioning them across the overall screen and in highlighting details through zooming.

Scheduling Software

At the heart of Manpower Software's solution for healthcare organizations is the MAPS Health Suite. Used to manage the entire workforce process, MAPS Health Suite is more than just a scheduling solution. Managers and staff alike can easily optimize clinical resources, identifying and remedying the cause and impact of staffing issues. With MAPS Health Suite, hospitals are able to more easily implement a complex schedule with simplicity and manage their temporary staff efficiently. Healthcare organizations are able to implement the software throughout their organizations and benefit from ease of use, powerful scheduling, extreme flexibility and total schedule automation.

Advanced Colonography Viewing

INFINITT's Xelis-Colon uses volume rendering and other post-processing techniques for advanced viewing and diagnosis. Xelis-Colon is designed to improve detection of colorectal polyps using endoluminal fly-through techniques, various review modes (2D and 3D), synchronized 2D-3D views, automatic segmentation, stool tagging and measurement tools.

Night Radiology Services

FinalsPLUS™ combines the exceptional quality of NightHawk's Final Interpretations with state-of-the-art revenue cycle management. It eliminates worry about night call, billing and collecting. In addition to the features of the Final Interpretations program, clients can eliminate the cost of preliminary interpretations, reduce the morning overread workload, reduce reimbursement risk, stabilize monthly financial exposure and reduce administrative burden.

Online Equipment Buyer Service

DOTmed.com's "request for proposals" (RFP) service is the easiest and quickest way to buy equipment online. Buyers go to *www.dotmed.com* and indicate what system they want. DOTmed notifies equipment sellers—sometimes hundreds—that can fill the request. DOTmed then creates a unique RFP page online for the buyer, and all interested sellers make offers in a reverse auction format. The buyer can choose the best deal at any time. If the buyer completes the transaction, they are charged a nominal $250 posting fee. If the buyer does not receive any legitimate offers, the $250 will be refunded.

Mammography Laser Imager

The Konica Minolta DryPro 873 laser imager delivers unparalleled image stability for high-quality images. It provides a 4.0 maximum diameter at 43.75 micrometers to support consistent mammography imaging. Designed to enhance productivity and workflow, the DryPro 873 delivers a first print in 50 seconds and throughput of 90 14" x 17" sheets per hour. It is easy to use and engineered for superb reliability and efficiency.

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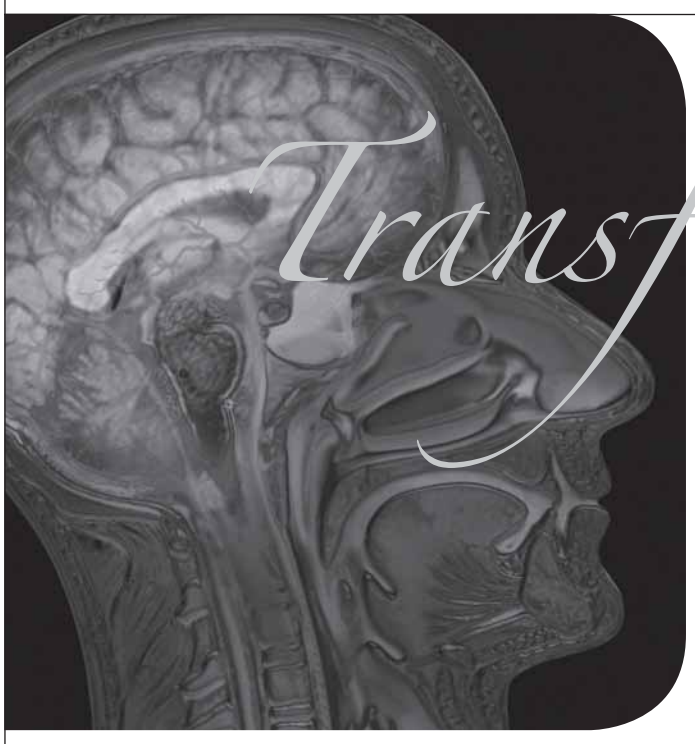

Transforming the Future of Radiology

Check out the ACR's latest offerings at **booth #6403A**.

Visit ACR's **booth #6403A** located in the South Building, Hall A, and preview what's new in:

- **Education** — "Test drive" the ACR Case Engine, the custom delivery vehicle for CME courses offered in our state-of-the-art Education Center, and check out the world-class offerings on the ACR Campus Online and other traditional products.
- **Advocacy** — Meet members of our government relations and economics staff and hear how we're looking out for you on the Hill and at the state level.
- **Clinical Research** — Learn more about the ACR's clinical trials conducted through ACRIN® and RTOG®.
- **Quality and Safety** — Gain hands-on experience using eRADPEER™.
- **Membership** — Update your member profile in PRED, our new database designed to provide you with a unique member experience!

Career-seekers and employers:
Visit the ACR Career Center in Room S105AB to learn about our enhanced services.

Come be part of the transformation.

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Molecular Imaging Zone

Have you been to the Zone?

Visit the Molecular Imaging Zone
Lakeside Learning Center
Hall E

MI education exhibits and posters from:

- Training and Research Programs
- Molecular Imaging Societies
- Government and Funding Agencies

Meet the Experts Sessions:
Sunday–Thursday
12:15–12:45 p.m.
12:45–1:15 p.m.

Conventional-to-Digital Conversion

The Swissray DRive™ kit combines a 17" square flat panel detector with SwissVision® digital radiography software for user-friendly and workflow-oriented imaging. More than a decade of DR experience has been infused into the SwissVision software. This imaging engine is extremely robust and the interface of choice for synchronous workflow allowing fastest patient throughput.

Computed Radiography for PACS

The iQ-CR ACETM by Integrated Modular Systems is the first computed radiography system directly integrated in a PACS. The design has been optimized for small imaging and veterinary centers in local or mobile operation. It reads up to 115 17" x 14" cassettes per hour. The ACETM image postprocessing algorithm guarantees perfect scan quality with a single click. Both soft tissue and bones appear sharp and with perfect contrast on the same image. Fewer mechanical parts guarantee low maintenance costs.

Electric Cable Organizer

CableRound-Up by Xybix Systems Inc. allows users to easily keep cables neat and organized behind the monitor array, under the work surface, in a cabinet or wherever there may be cords. CableRound-Up is a simple accessory that can be attached almost anywhere and allows one to organize excess cables without complex or costly installation. Users can organize excess cabling in seconds by looping them around CableRound-Up and cable organization can be a reality.

Free-Text Data Extraction

CodeRyte's DataScout® is a revolutionary technology that identifies and extracts clinical information from free-text and structured medical records. Fueled by sophisticated natural language processing technology, DataScout analyzes data found within physician narratives and converts it into actionable information for critical treatment and business decisions. DataScout helps physicians find meaningful clinical data while maximizing staff time, organizational workflow and clinical and business modeling. DataScout uses powerful, context-sensitive data mining and clinical information extraction to enable dictation pattern analysis for improved reporting, Physician Quality Reporting Initiative (PQRI) analysis, compliance and adherence to clinical policy, decision, referral-pattern and clinical condition analysis and in-depth clinical research.

PACS Archive

BridgeHead Software's PACStore provides healthcare organizations with the essential elements to effectively manage PACS related costs, compliancy and business continuity. PACStore provides a software-based DICOM storage server—designed to act as an archive repository for an organization's entire PACS environment—including a fully-featured Web-based image viewing portal. This strong combination means DICOM data can be maintained in multiple geographic locations, on a variety of storage devices, and images can be readily accessed even when the primary PACS system is unavailable.

Data Replication/Mirror Function

The Voyager PACS data replication and mirror function provides data and operational redundancy for imaging and hospital centers. This means prevention of data loss in the event of an unrecoverable failure, as well as business continuity during server downtime. Images can be accessed for reporting or clinical viewing through either the local storage or at the replicated storage data center. Status changes on either server are updated back to each server. The fast upload speeds can also provide remote users with fast access to images. Voyager Mirror is highly configurable and can connect single or multiple sites to this data replication.

HD for Endoscopy, Operating Room

The 24" E240H widescreen medical display by FIMI Philips is specifically designed for surgical and endoscopy applications. It provides the perfect solution for state-of-the-art full high-definition equipment and operating room integration projects. Some features of the E240H include superb color accuracy and wide viewing angle, a full range of analogue and digital video input, multi-image display with any input combination, the least minimum video delay to minimize the doctor's fatigue and to maximize the patient's safety, calibrated DICOM curve for review of X-ray images during surgery and easy fit with fiber optic adapters.

Teleradiology Coverage

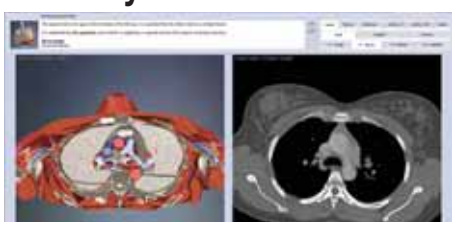
Digital Locums™ by NightHawk Radiology Services solves the unpredictable productivity and quality that practices receive from traditional locum tenens. Digital Locums is predictable, easy and cost effective. Flexible pricing and coverage allow for a short-term fix or a long-term solution to staffing needs. Whether for a large group or a single radiologist, the service can be a full-time equivalent or a fraction of one. Benefits include predictable and customized costs, access to world-class radiologists, subspecialty reads, 24/7 coverage and

easy start-up with no administrative burden.

PET Infusion System

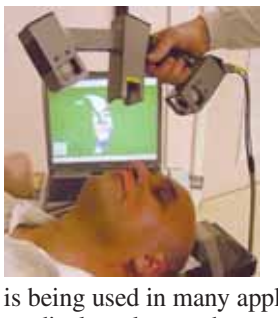
The Intego™ PET Infusion System for PET/CT imaging procedures is the first infusion system available in the U.S. to automate the fluorodeoxyglucose (FDG) delivery process. The Intego System enables easy FDG administration at any time throughout the day and delivers FDG with precision, flexibility and safety. Intego automatically extracts a patient dose from a multidose vial and delivers it directly to the patient—virtually eliminating manual dose preparation/handling and the corresponding radiation exposure to the technologist. Dose-on-demand capability delivers the prescribed dose when the patient and technologist are ready, enabling technologists to easily and efficiently respond to schedule changes.

Cross-Sectional MDCT Anatomy DVD



Radiological Cross-Sectional Anatomy with multi-detector CT: Thorax, Abdomen and Pelvis is a DVD-ROM from Primal Pictures for anyone that interprets radiologic scans. Thousands of clear and accurate images, in an intuitive digital format, provide the user with an invaluable aid to cross-sectional anatomy, CT and MR imaging interpretation and a stunning 3D anatomy image library. Users can export images for presentations and select area and modality to plan and label relevant structures in real time. All 60 3D views are interactive and can be rotated and labeled and layers added or removed.

Portable 3D Laser Scanning



FastSCAN™ by Polhemus is a unique, portable, 3D laser scanning system that instantly acquires data and digitally renders it in real time. FastSCAN is being used in many applications in the medical market, such as orthotic and prosthetics, burn mask and craniofacial treatments, cosmetic and reconstructive surgery, image-guided surgery, precision localization and more. This freeform scanning system gives you the ability to freely move the low weight handheld scanning wand around the object you are scanning without being tethered to a mechanical arm. FastSCAN improves the treatment experience for the patient, doctor and clinician.

Self-Contained Radiography System

Where space is at a premium and efficient, high-quality patient care is the goal, the digital XPERT 20™ by Kubtec is the solution. This self-contained, shielded cabinet X-ray system offers feature-rich, DICOM-compliant, user-friendly software in a cabinet that takes up less real estate than a PC monitor. XPERT 20 features zero warm up time, automatic exposure control, auto-calibration, automatic window leveling and the ability to send multiple images, with annotations, to PACS. Ease of operation, safety and the ability to acquire, annotate, print and send images to PACS in the shortest amount of time make it the ideal tool for the biopsy suite.

Quality Analysis Software and Phantom

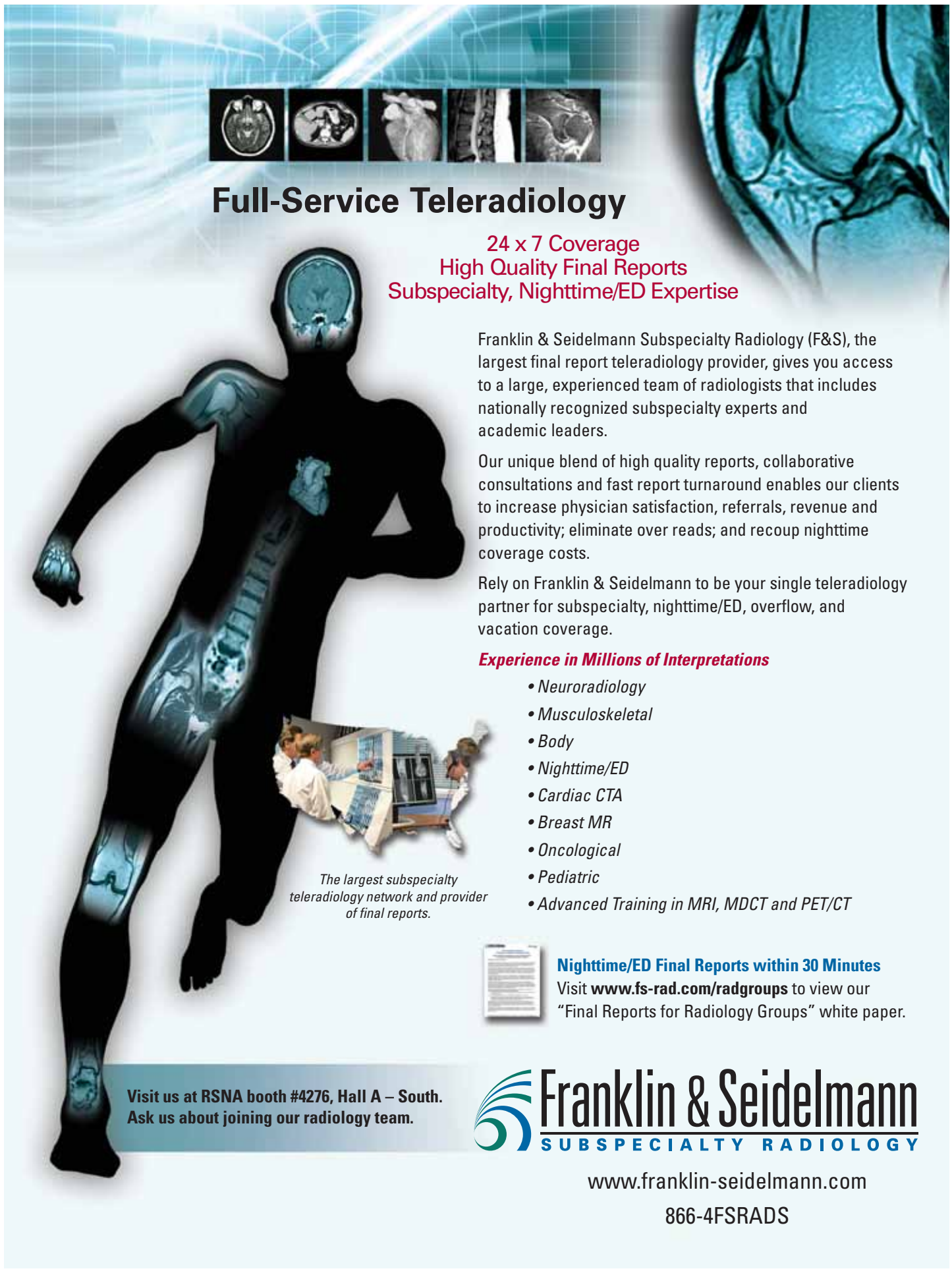
PIPSpro™ software and the QCkV-R* phantom by Standard Imaging can quantify the quality of diagnostic imaging systems such as digital radiography and computed radiography. Images of the phantom are automatically analyzed and quantitative results for resolution, contrast-to-noise and overall noise are reported and saved to a comprehensive database. Powerful trending tools track the degradation of imaging systems over time and know when service is required before it becomes clinically significant.

Portable Color Ultrasound System

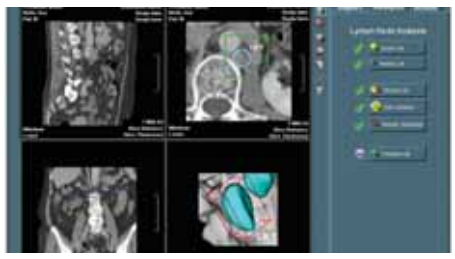
The launch of Shantou Institute's Apogee 1100 saves designers from having to compromise image quality in order to achieve device portability. The application of area focusing, matrix imaging, raw data processing, smart optimization, as well as speckle reduction technologies, makes the system adaptable to various kinds of imaging occasions. Apogee 1100's portability, ergonomic design and powerful diagnostic functions combine with advanced features only found in high-end trolley color Doppler.

Radiology Reference Texts

Thieme Publishers presents its newest references in Radiology: Rummeny, *Whole Body MR Imaging;* Swartz, *Imaging of the Temporal Bone, 4th Edition* and Thelen, *Cardiac Imaging.*



Lymph Node Analysis Software



Definiens introduces its prototype semi-automated software application for lymph node analysis. Following the manual detection of a lymph node by a radiologist, this application will automatically segment and analyze the node, providing quantification of standard RECIST and WHO parameters in a rapid, reproducible and consistent manner. The application will also provide a rendered 3D visualization of lymph nodes, providing volumetric insight and allowing for comparisons over time.

Workflow Management Program

medQ's Reading Service workflow management program provides a unified, efficient and dynamic worklist for automatic, rapid report turnaround, whether in a standalone reading services operation or integrated into your regular workflow. Key benefits include a single worklist incorporating exams from multiple locations/PACS, full voice recognition with roaming capability and tailored workflows to support routine, stat and over-read operations. The service also features onsite administrative workstations to add/scan relevant information for a paperless operation, automatic rules-driven report distribution by fax, e-mail or printer and complete patient and exam history immediately available from any workstation.

12-Bit Grayscale Display

iQ-DISPLAYS by IMAGE Display Solutions is the first solution worldwide offering true 12-bit grayscale image transfer. In order to achieve outstanding performance and quality, iQ-DISPLAYS are available with iQ-VIEW PRO and the high-performance medical 3D graphics card iQ-GRAFIX for any resolution from 1 x 2 up to 2 x 5 mega pixels and true 8-, 10- and 12-bit image output.

Healthcare Data/Image Storage Software

Bycast's StorageGRID 8 storage virtualization software stores and protects healthcare data and images over their lifetime. For healthcare organizations that depend on access to mission-critical digital data and imaging studies, StorageGRID minimizes the risk of data loss or corruption. StorageGRID also optimizes storage resources by utilizing storage devices, including those from multiple vendors, as a single, centrally managed pool of storage. StorageGRID is currently storing and protecting over 50 million imaging studies worldwide and can be seamlessly integrated with all major PACS.

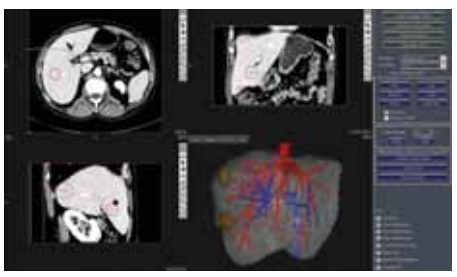
Ferromagnetic Detector Portal

The second generation of the SAFESCAN® Sentinel® GS series pass-through portals by Mednovus helps prevent projectile accidents that may otherwise lead to injuries and expensive magnet damage. Available in the 24" Patient Sentinel® GS 2.0 and the 48" Entry Sentinel® GS 2.0 or in custom sizes, these pass-through portals capitalize on enhanced sensitivity made possible by Mednovus's patented GS technology. Now available through Siemens Medical Solutions, Mednovus ferromagnetic detectors help providers prevent dangerous and expensive MR accidents.

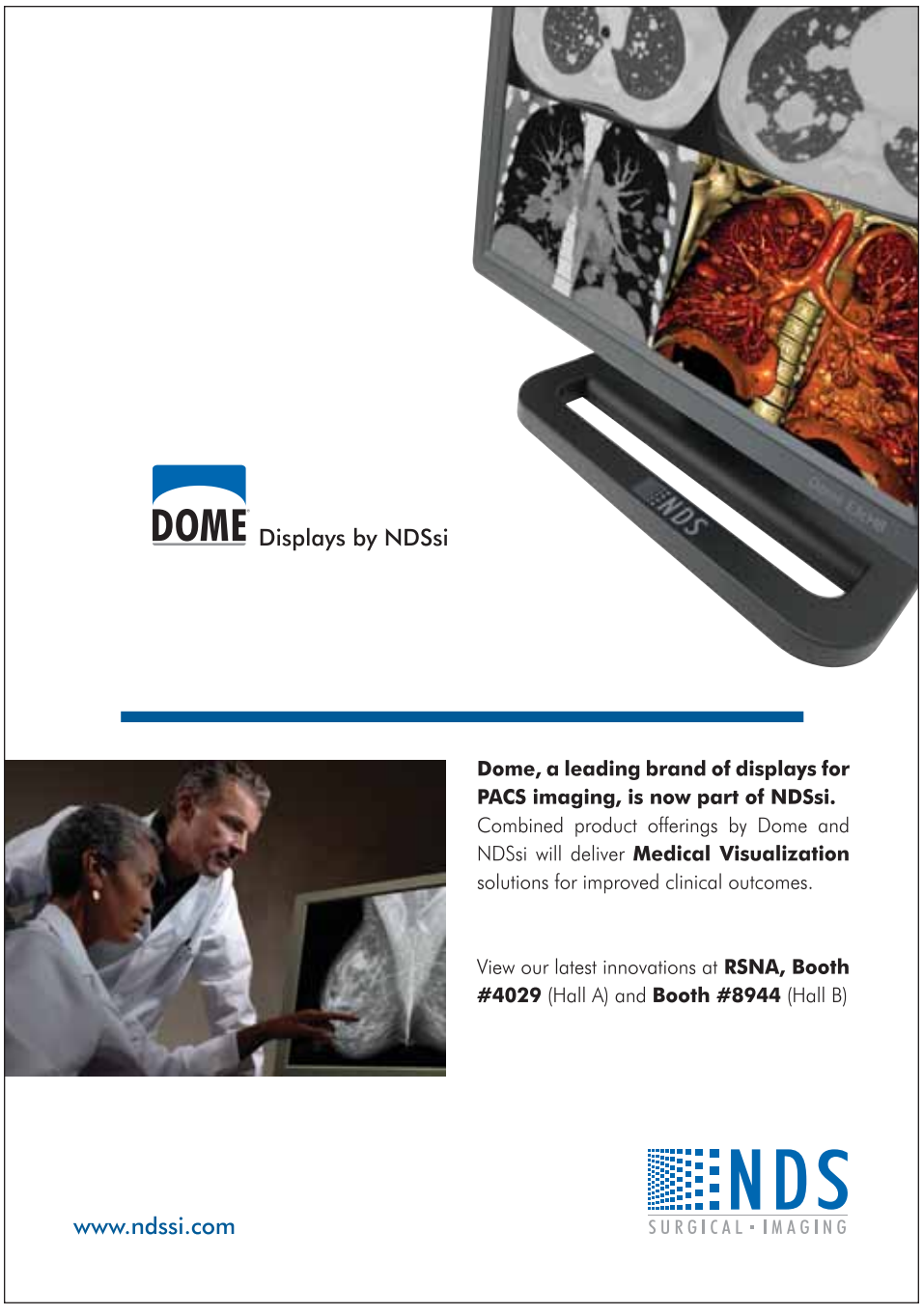
CT, MR System Performance Control

SPARC (System Performance, Availability, Reliability, and Control) is designed by Genesis Medical Imaging to ensure system performance to published specifications, facilitate system availability during normal operating hours, improve overall system reliability, minimize unexpected costs and provide control over identified service events. Phase I of SPARC will be the high-voltage diagnostic test equipment for CT. SPARC High Voltage Module can individually test the inverter, tables, H.V. tanks, X-ray tube, rotor system and system integrity. Additional SPARC modules will be available for computer, gantry, DAS power and table.

Liver Surgical Planning Software



PlaniSight Linasys, created by Pathfinder Therapeutics, Inc., is an innovative liver surgical planning software tool which enables radiologists and surgeons to identify hepatic lesions and their proximity to surrounding vasculature for increased visualization and preoperative assessment. PlaniSight provides a set of advanced segmentation tools to create, within minutes, detailed 3D models of the liver, hepatic vasculature and hepatic lesions based on CT/MR images. Surgeons can subsequently plan their resection for immediate review of clinically relevant data and volumetrics such as functional liver volume, residual liver volume and tumor margin.



ONE

INTRODUCING SuperPACS™ ARCHITECTURE. Now you can synchronize disparate PACS systems using your existing infrastructure within a multi-site healthcare network, providing you ONE global worklist no matter where your site or data is located.

SHARE clinical resources and balance radiology workload with ONE rules-based global worklist across all sites. COLLABORATE with peers, clinicians and referring physicians. Diagnose and REPORT quickly with numerous advanced clinical tools and set profiles. Experience common reading and reporting for all sources and formats of data.

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Advancing insight

Leading imaging solutions with trust and innovation.

Join Covidien Imaging Solutions at RSNA 2008 to see how we're pioneering innovation. Incorporating RFID technology in the Optivantage™ DH contrast delivery system and Ultraject™ prefilled syringes are just two examples of the advances that have defined our history and set the course for future achievements. We are your comprehensive imaging partner—providing the solutions and knowledge to help physicians make accurate diagnoses to aid in better patient outcomes.

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