



# INVOLVED

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## Coordinated Health: Image Management facilitates Coordinated Care

Coordinated Health first opened its doors as a sports medicine practice, and built on its success to include a number of orthopedic-related specialty centers. They now have specialized practices for:

- ✦ Arthritis and Osteoporosis
- ✦ Orthopedics
- ✦ Outpatient Surgery
- ✦ Back and Neck
- ✦ Foot and Ankle
- ✦ Hand and Wrist
- ✦ Plastic & Reconstructive Surgery
- ✦ Spine Center
- ✦ Imaging Center
- ✦ Rehabilitation

Before Coordinated Health implemented the **INFINITT PACS**, image management was a logistical nightmare. Infinitt's Michael Higgins did an analysis of imaging workflow before and after the PACS implementation, and

found numerous workflow and image access issues that the PACS system was able to address.

For example, before implementing the PACS, preparation for a patient visit required locating prior exams and transporting them to the location of the visit. A courier would have to pick up films – sometimes from several sites or the storage warehouse -- before the new study could begin.

When the new study was complete, it had to be developed in the dark room or processed for viewing. Before the radiologist could read the study, all paperwork, previous studies and current studies had to be compiled for his review. As a result, the preparation time from patient exam to radiologist reading for routine studies could be as much as two days. It could be even longer if films or paperwork were misplaced. In the case of emergency visits, the radiologist would have to make a diagnosis without seeing previous exams.

Now, prior studies are available on the centralized PACS archive and relevant paperwork has been scanned into the studies before the patient arrives for his or her appointment. The radiologist accesses his worklist and reads studies using advanced hanging protocols which pre-define the layout of the images and the order or sequence in which they are presented. Exams can be loaded side by side on the PACS viewer for instant soft-copy comparison. When dictation is complete, the radiologist hits a single key which closes the exam and loads the next exam on his or her worklist.

**INFINITT** also provided an HL7 interface between CH's Electronic Medical Record (EMR) and the PACS, allowing the EMR to send all patient information to the modalities and the PACS and eliminating duplicate or even triplicate data entry.

In a day where "time is money" and everyone is concerned about the rising costs of healthcare, it's good to know we're doing something to increase efficiency and reduce costs while actually improving the quality of patient care.

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**Mid-Michigan Physicians,  
P.C.**  
Integrating Imaging Services with



## Patient Care

Mid-Michigan Physicians, P.C. (MMP) was formed in 1996 and has grown into a large, multi-specialty physician group with a main office location and several satellite offices throughout the state of Michigan. The physician-owned organization now offers highest quality patient care in family medicine, internal medicine, nephrology, hematology, oncology, cardiology, pulmonary, OB/GYN, orthopedic services, urgent care, and minimally invasive surgery.

In 2006 MMP opened its 100,000 square foot facility in Lansing including a 10,000 square foot, full-service imaging center. The facility was designed from the construction stage to be filmless and paperless with Infinitt's PACS. Last year MMP upgraded to Infinitt's state-of-the-art, single database RIS and PACS.

According to James Deering, D.O., the PACS/RIS system has worked very, very well from Day One. The system has been easy to work with and customize to our needs, said Amy-Jo Simon, Office Manager.

*"We chose **INFINITT** for the simplicity and efficiency of the single database platform, and have been pleased that the system is so customizable."*

— James Deering, D.O., Radiologist

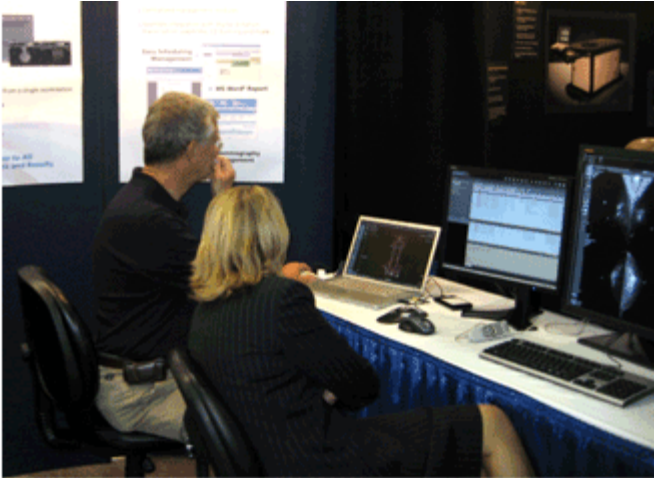
"Infinitt's development people have been very willing to work with us to customize user interfaces and optimize workflow. This has been especially important for our practice because each specialty has its own way of doing things," said Deering.

MMP's technical manager, Pat Dombrowski, said what she appreciates most about the system is that it's easy to learn, and still has so much depth. She says they learn something new every day, and knows there will be even greater benefit from tools they haven't discovered yet.

"We have 2 offsite clinics, 2 in-house virtual

offices and an offsite cardiology clinic that function as seamlessly as if they were in the same building. We couldn't possibly work the way we do now without the system," Deering added.

MMP's imaging center now averages 130-140 exams per day. In addition to servicing their own patients, MMP provides imaging and diagnostic services to four hospitals in the mid-Michigan area.



## INFINITT Participates in Breast Imaging Conference

The **28th Annual Breast Imaging Conference (BIC)** took place in Nashville, TN from September 4-6, 2008. Executive Account Representatives Mike Smith and Michelle Buxton were there to demonstrate the **INFINITT Mammo PACS** multi-modality viewing station.

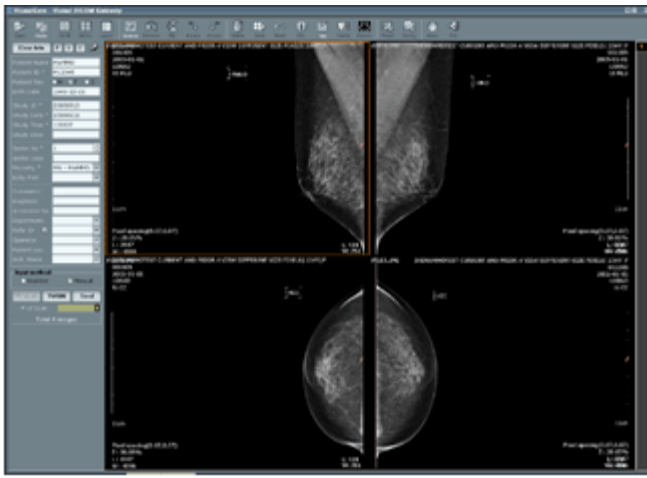
The BIC offered a Digital Mammography training workshop, with emphasis on Breast MRI and CAD. Participants had the opportunity to enhance their skills and knowledge in many areas of breast cancer care, including the use of breast MRI and US for screening; approaches to interpreting breast MRI; methods for MRI-guided breast biopsy; and new breast imaging techniques such as tomosynthesis, nuclear medicine and stereomammography.

The **INFINITT Mammo PACS** solution will also be demonstrated at the upcoming Radiological Society of North America (RSNA) convention in Chicago, Nov. 30th- December 4th, 2008.

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## New VisualGate Software Facilitates Comparison of Mammography Exams at Springfield Hospital

Clinical studies have validated Full-Field Digital Mammography (FFDM) as a valuable tool in the early detection of breast cancer, and many imaging centers and radiology departments have converted to the technology in order to enhance workflow



*INFINITT's Mammo VisualGate facilitates comparison of scanned images with digital mammography exams*

efficiency and improve patient care.

But the need to compare the new digital studies with prior film studies can be a major impediment to realizing productivity gains. Films can be scanned with a film digitizer, but even then additional software is needed in order to view prior studies with the same hanging protocol as the digital exams.

To address this issue INFINITT developed **Mammo VisualGate**, a software product that allows the technologist to add the correct anatomical image tags (RCC, LCC, RMLO, etc.) when the mammography films are digitized.

"Without this software radiologists would need to "drag and drop" each image in place before interpreting the study. This is counterproductive in today's workflow-driven radiology department," said Mark Wellens, MD, a diagnostic radiologist at Springfield Hospital in Springfield, Vermont.

"I could not imagine reading mammograms without this software. It's a fantastic timesaver," Wellens said.

**Mammo Visualgate** software also populates patient demographic and study identification fields directly from the worklist (MWL), eliminating the need to key the information manually. These are essential pieces of the workflow picture that are required for digital mammography to deliver both patient care benefits and greater radiologist and staff productivity.

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