



**Implementation
of Magnum HIS
& PACS at Gulf
Diagnostic
Centre, Abu
Dhabi, UAE**



About Gulf Diagnostic Center, UAE

Based in Abu Dhabi, the capital of the United Arab Emirates, GDC Hospital has been open since 1996. They have grown from a diagnostic center into a hospital offering a full range of healthcare services including operating theatres and in-patient facilities. Their imaging and laboratory services use leading technology to deliver outstanding medical care.

GDC Hospital has three diagnostic divisions: Cardiology, Pathology and Radiology. Each division is equipped with the latest technology and operated by physicians trained at world recognized institutions. Supported by a hand-picked qualified technologists and nursing staff.

GDC Hospital's advanced laboratory is equipped to conduct the routine and sophisticated examinations such as Microbiology, Biochemistry, Cytology, Hematology, Histology, Serology, Virology, Immunology, PCR and Allergy tests.

GDC Hospital was accredited in 2009 and is working with Joint Commission International (JCI) to ensure they continue to provide high standard of patient care.

GDC's commitment to patients extends beyond diagnostic services; the Patient Relations Department facilitates and coordinates patients' treatment arrangements at the most appropriate institution in the region or overseas.

The challenge

Gulf Diagnostic Center Hospital wanted their physicians to adopt electronic health records (EHRs) in its center to support continuity of care across both inpatient and outpatient settings.

Clinical information such as known health problems, allergies and existing medical orders should be available to all the authorized caregivers across the center.

GDC Hospital also wanted to ensure full, accurate reimbursement from the patient's insurance. This could be achieved seamlessly only with a billing system which is tightly integrated with the clinical system, as the financial transaction data is added to the patient's electronic medical records.

The goal was to move GDC Hospital to a paperless medical record platform with information immediately accessible when and where their doctors, nurses and other clinicians need it to support patient care.

Our Solution

HealthFore's Magnum suite of products was selected to help care providers render safer, more efficient care through the use of centralized electronic medical records (EMRs). Under terms of the agreement, GDC Hospital deployed HealthFore's Magnum HIS, an integrated clinical and financial solution, along with HealthFore's medical imaging solution, Magnum PACS. This step was initiated to bring together patient information into a comprehensive electronic record to improve care delivery.

Phased Deployment

Gulf Diagnostic Center Hospital deployed the Magnum suite of solutions over two phases, beginning with the financial and commercial modules. GDC Hospital implemented these modules to replace paper with electronic records, which significantly streamlined registration and



billing processes by reducing the need for manual document entry and retrieval.

The second phase of the initiative focused on clinical modules. These modules enabled nurses and physicians to capture, display and analyze patient centric information, facilitating better patient care by providing the entire care team immediate access to accurate patient information.

The clinical modules allowed authorized care givers to document care and enter treatment & procedures into the electronic Health records and also provided caregivers with information about their patient's health insurance coverage and benefits.

It also deployed HealthFore's Magnum picture archival and communications system (PACS) solution to reduce film expenses and make medical images and diagnostic reports, available electronically for faster time to treatment.

Magnum HIS, addressed the challenges of Gulf Diagnostic Center by providing a comprehensive EHR solution to support patient safety initiatives and regulatory compliance to Evaluation & Management Guidelines (E & M), Diagnosis

Related Group (DRG), Joint Commission International (JCI) and Health Authority Abu Dhabi (HAAD).

Working Together

For any HIT project to be a success, the hospital and the technology provider must forge a strong collaboration. When the system was first launched at GDC, HealthFore's staff spent time at the hospital, training staff, ensuring that the implementation ran smoothly and that workflow processes were streamlined. Any deviations were quickly rectified to minimize downtime.

Training for caregivers were through in-person and on-site workshops. An online curriculum for self-paced learning would also be developed for any new hires in the future. Manuals, policies and guidelines were also made available as part of the training.

Magnum Suite of products provided our customers with functionally rich, integrated applications on a platform that was easy to learn, efficient to use and quick to deploy, while providing a low cost of ownership.

About HealthFore:

Religare Technologies' has a focused healthcare IT division, HealthFore. It is uniquely positioned to offer transformational B2B and B2C IT solutions to both providers and consumers; solutions built on leading edge technology and backed by healthcare expertise.

HealthFore's Magnum suite of products provide feature rich HIS and RIS-PACS solutions which span the entire clinical, administrative and back office functions of clinics, labs and hospitals. Magnum solutions are currently supporting healthcare providers in 11 countries.

HealthFore's mHealth platforms provide consumers in India, round the clock access to healthcare information, counseling and consulting, through telephony and internet. These technology-enabled platforms aim to address the challenging issues of healthcare awareness, accessibility and affordability that plague the country today.

To know more about how HealthFore, please visit www.Healthfore.com

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