

TELERADIOLOGY SERVICES IN BOTSWANA AND AFRICA

Context

- Telemedicine is widely defined as the use of medical information exchanged from one site to another, via electronic communications to improve on patient's management.
- Images from different equipment are referred to a independent computer that is then accessed remotely by the Tele radiologist

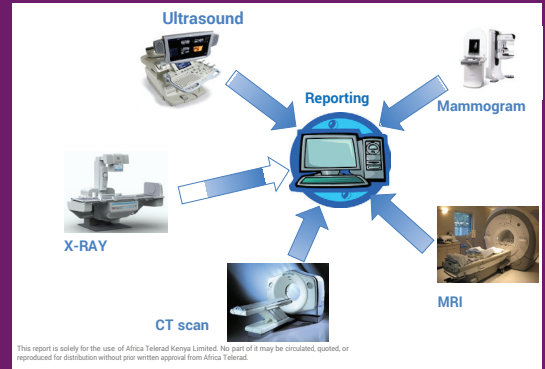
Objectives

- To provide Robust Radiology Information System for seamless

remote reporting of diagnostic conditions

- To develop best in class examples of robust teleradiology solution applications and assist the Hospitals team to develop a strategy for implementation based on the global best practises.
- To provide advisory to the Hospitals medical services team in terms of radiology services, training and equipment placement according to their growth an expansion strategy

TELERADIOLOGY SERVICES WORK



OFFERING QUALITY AND TIMELY REPORTING FOR ALL DIAGNOSTIC PROCEDURES FLOW

KEY CONSIDERATIONS

Several key considerations need to be taken into account prior to the acquisition and implementation of the teleradiology

	Key considerations	Resultant solutions
CONCEPT	<ul style="list-style-type: none"> • Feasibility • Additional patient benefits 	<ul style="list-style-type: none"> • What the teleradiology concept will do to the ____ Hospitals team's vision and the marginal benefit the team hope to get by investing in the teleradiology solution.
SELECTION	<ul style="list-style-type: none"> • Price • Robustness 	<ul style="list-style-type: none"> • ATL offers competitive prices for teleradiology reporting which are way cheaper than having a resident radiologist.
IMPLEMENTATION	<ul style="list-style-type: none"> • Timeframe • System integration • Training and uptake 	<ul style="list-style-type: none"> • The implementation of the solution and integration of the systems is immediate with a platform Integratable with all available RIMS.
ENABLING PARTNERS	<ul style="list-style-type: none"> • Suppliers – hardware, software, internet connectivity, system maintenance and support 	<ul style="list-style-type: none"> • Training programs are short and easy to the radiologists and radiographers. • The Afyrad software is easy to install, use and diagnose and operates in windows platforms.

ADVANTAGES OF TELERADIOLOGY

Teleradiology is set to increase access to quality diagnostic healthcare and promote other affiliated services

Teleconsultation

- Hospitals will be able to provide effective and efficient radiology specialist services with professionals conducting consultations, reporting and rendering diagnosis to patients remotely.

Teleradiology

- Teleradiology will provide a platform for radiologists to review and interpret medical images from the Hospitals remotely, improving the quality of patient care

Remote monitoring

- Doctors and nurses are able to remotely monitor their patients, especially those with chronic diseases or highly sensitive conditions – heart disease, asthma, stroke, cancers etc.

Affiliated services

- Provision of continuous medical education for health professionals and special medical education seminars for targeted groups in remote locations, like this one.

TELERADIOLOGY FOUR KEY STRENGTHS

- TECHNOLOGY**
 - Robust Radiology Information System – Compatible with PACs
 - Afyrad – AT Image Reporting Platform - HMIS
- SECURITY**
 - Data is secure and the pipeline of transmission is IP protected
 - Password Protected software's
 - Integrity of the image in not compromised
- QUALITY**
 - High Quality reports on X-ray (both digital and conventional), Ultrasound, CT scan, MRI and Mammogram
 - Team of sub specialized radiologists provide 24- -hour coverage for our clients.
 - Provision of IT support round the clock and highly specialized team of IT specialist
- SPEED**
 - Turnaround Reporting Time of less than an hour from the Radiologists for the urgent cases

IMPACT AND BENEFITS OF TELERADIOLOGY IN PROVIDING MEDICAL IMAGING ACCESS

- ACCESS**
 - Night, weekend, and vacation coverage.
 - Tele-consultation - contact with referring physicians
 - Affecting more than 1 million patients annually
- QUALITY**
 - Second opinions from experts and specialists for complicated cases
 - Specialists in the different interventional radiology procedures
- AFFORDABILITY**
 - Mobile payment schemes
 - ZERO cost of installation at your hospital
 - No Labour risks
 - PACS system not necessary
- SPEED**
 - Turnaround reporting time of less than 1 hour
 - 24 hour coverage every day of the year
 - Flexibility to meet patients needs

OTHER SERVICES

Africa Telerad has played critical supporting roles to capacity building and advances in the field of radiology

EDUCATION, TRAINING AND CURRICULUM DEVELOPMENT

Worked with a wide range of radiology experts to develop a comprehensive training curriculum for the radiologists and radiographers.

Worked with the Kenya Association of Radiologists in organizing for regional and international workshops and conferences Provided expert talks in conferences and CMEs on matters radiology and application of e-health and telemedicine

INTERVENTIONAL RADIOLOGY SERVICES

Actively involved in Ultrasound and CT guided procedures within the partner hospitals and clinics

Developed a comprehensive checklist and protocols interventional radiological diagnostic procedures for Wellness Group and a host of other partner hospitals .

Providing advise on equipment needs and placement depending on the feasibility studies on specific areas

KIBUNGO HOSPITAL, Rwanda
BOTSWANA: ALWAYS OPEN
CLINICS- KB MALL and
KARONG CLINIC-MEDICAL
DIAGNOSTIC IMAGING MAIN MALL.

KITOVU HOSPITAL, MASAKA.
BYANSI HOSPITAL, MASAKA
MAYANJA MEMORIAL, MBARARA. ETC
UMC Victoria Hospital

JUBA COMPLEX
HOSPITAL
SOMALIS GENERAL

Website:
www.africatelerad.co.ke

E-mail: drjsenoga@teleradafrica.com,
geraldholdings@gmail.com

Phone:
0774196811, 0705800015
Cell +267 71899311

Mail:
P.O Box 981 Gaborone, Botswana
P O BOX 2534, KAMAPALA