

EndoRAAD – Product Overview

Integrated Endoscopy Clinical Information System

EndoRAAD is a complete Clinical Information System for procedures involving Endoscopy and Ultrasound examinations e.g. Colonoscopy, Gastroscopy, ERCP, Bronchoscopy, EUS, Ultrasound, etc. It captures high quality single images or video sequences and allows these images to be incorporated, by the doctor, into a complete report on the patient's procedure. All reports and images are stored in a long term Archive so that the complete **Electronic Patient Record (EPR)** can be made available to authorised users anywhere in the Hospital.

The EndoRAAD system has a number of software modules:

EndoRAAD Reporting - PC based Report creation, Image capture, Report Amendments (see below).

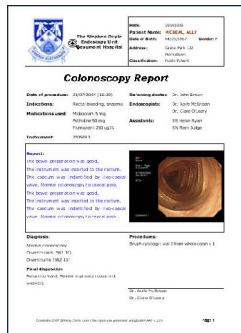
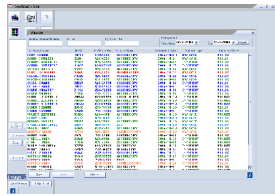
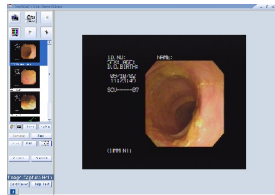
EndoARCH – Web based long term Archive of the complete EPR for Endoscopy procedures (see below).

EndoSCHEDULE – Web based Appointment & Resource Scheduling for Endoscopy (see separate overview).

EndoNURSE – Web based Nursing Records for Endoscopy (see separate overview).

EndoDIVER – Web based Information Management System for all EndoRAAD data (see separate overview).

Features



EndoRAAD in the Procedure Room sits on a standard Personal Computer (Windows XP) which has a special internal capture card for capturing pictures and video segments.

EndoRAAD covers the following functionality:

- The doctor selects the patient details from a worklist of scheduled procedures to avoid duplicate data entry. Worklists are automatically generated from **EndoSCHEDULE** or can be interfaced from the Hospitals' order entry or scheduling systems.
- Doctors can capture single pictures (frame grabbing) and video sequences in 'real time' using simple to operate foot pedals or via the endoscope controls.
- For the best performance connection to clinical devices is via a standard S-Video cable (i.e. Super VHS). Composite Video cables can also be used.
- Images and Video sequences can be reviewed immediately and the required pictures selected for inclusion in the doctors report.
- The doctor has several facilities for generating the patients report for "any" procedure:
 - Report 'Wizard' allowing the generation of the report via clinically structured forms for each procedure e.g. Colonoscopy, Gastroscopy, Sigmoidoscopy, ERCP, Bronchoscopy, EUS, Proctoscopy, Enteroscopy, Cystoscopy, etc.
 - Use of a templates library which contain commonly used phrases, that can be defined by the doctors
 - Standard text entry
- An electronic signature can be configured as mandatory for the clinician printing the report. Reports can be reviewed on screen and changed as required before printing.
- Completed procedures are stored on the local PC and are transferred automatically or individually to the **EndoARCH** server, for consolidation and long term storage in the Electronic Patient Record. The server is located at a central location in the Hospital.
- The doctors may amend or add additional information to the report (e.g. Histology Results, adjust Management Plan, etc.) from the comfort of their own office.
- Examination details and images can be burnt to a DVD or CD where the necessary drive is installed in the PC. The CD or DVD will contain self-running software for reviewing the data and images. They can also be copied easily to disc or a USB key.
- EndoRAAD utilizes a standard SQL database for efficient storage and retrieval.
- The powerful **EndoDIVER** provides data for reports, statistics, 'ad hoc' analysis, clinical audit and research purposes. Access to every collected data field is available.
- Images are stored as high quality JPG (pictures) and DIVX (videos) files.
- The system is highly flexible and can be easily customised by the users themselves.

EndoRAAD is a product of CompuGROUP and Manitex