

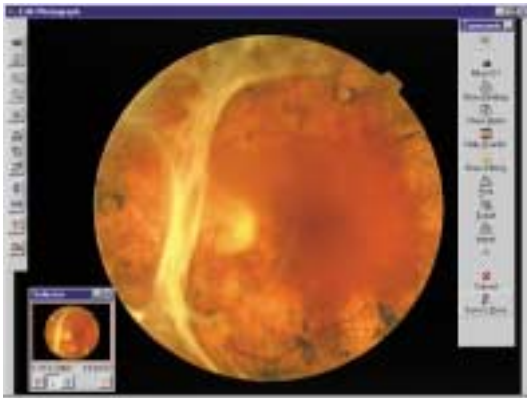
The solution for secure digital imaging and the effective linking of ophthalmic equipment.

Integra is Ocuco's image capture and equipment link solution. It seamlessly integrates all your imaging and ophthalmic equipment along with peripherals, leaving one PC in the consulting room. Integra uses the Oracle database, the most secure and robust data management system in the world. It has the capability to handle large amounts of data required for medical records and imaging, allowing the online expansion of your image library. The images are always instantaneously retrievable from the patient record. Our legally secure audit trail tracks all changes made to data. It records; who changed data, what was changed and when it was changed. This makes the images and data captured legally admissible should litigation occur.

Integra - The Solution:

- Images stored with patient record
- High speed browse/retrieval system
- Digital imaging - no need to process film
- Patient's images reviewed in same appointment
- No need to archive external media (e.g. CD Rom)
- Coding and grading of images

- Compatible with numerous cameras
- Comparison of images for easy diagnosis
- Facilitates large multi-user departments
- Intuitive interface
- Telemedicine
- Search for images by diagnosis or patient



Features:

Mydriatic and non-mydriatic fundus image capture, Slit-lamp image capture, Diary, Recall, Referral letter generation and tracking, Online storage of images, DICOM standard, Codes and Grades, Not supplier or brand restrictive, Image manipulation, Image comparison, History notes.

Image Capture and Storage

Integra interfaces with a wide range of digital cameras, which may be used to capture images of the face, external eye, anterior segment or fundus. Images are captured in true colour according to DICOM standards. They are automatically saved with the time and date of capture. Integra links with both mydriatic and non-mydriatic fundus cameras. A variety of graphical effects can be applied to enhance the image.

Any two images in Integra can be compared simultaneously. Images from the same patient can be compared. Alternatively a quick search for another patient of the same diagnosis can provide instant access to other comparable images. The diagnoses and findings can be assigned codes and a grading to facilitate research.

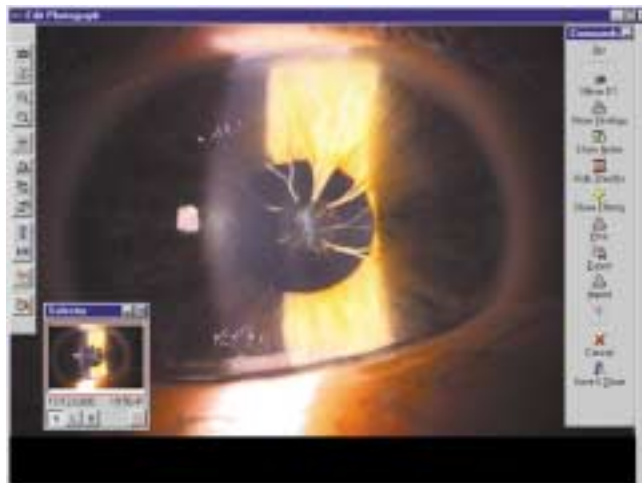
Integra is scalable to provide the ideal image capture and review system for large hospital eye departments. An optional fluorescein angiography module is also available. The ophthalmologists can view images before the patient has returned from the medical photographer's room. There is no need to store images on a CD or other external media as Integra can stream over expanded online storage. Most importantly a painless upgrade path to full Electronic Patient Records is available with an Acuitas Clinical' upgrade.

Linking to equipment

Integra interfaces with consulting room equipment such as focimeters, keratometers, field analysers, auto-refractors and a wide range of other ophthalmic equipment. Results are electronically captured, reducing error and increasing overall efficiency. Paper results can also be simply scanned in and automatically incorporated with the patient record.

Patient Record

The patient record provides a single source for all patient details. It allows the automation of recall functions and is a centralised networked information source for all personnel. The patient record also contains comprehensive demographics for each patient (e.g. patient name, address, contact phone numbers, e-mail, GP, DOB, occupation, etc). Information regarding the current visit is captured, and data from past visits can quickly be reviewed. Notes or warnings are entered into the patient record and warnings temporarily pop-up when referring to the specific patient e.g. 'Allergy' or 'Wheelchair Assistance Required'.



Refraction

Refraction findings are captured via the keyboard or mouse using the pre-defined selection list. This reduces errors and ensures the correct information is recorded. Data entry is designed to cater for all levels of typing skills. Speed buttons copy refractions from previous visits or from the subjective to the refraction-given. The auto refractor and focimeter can be linked directly to the software and the readings instantly captured. A summary of readings is compiled for easy viewing and comparison with previous visits.

History

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A brief glance at history summarises the patient's present complaint and complaints from past visits. Checklists can be customised to include general health questions. A broader picture of the patient's previous medical conditions and ailments may assist in the diagnosis and management of the patient's ocular condition.

Letters

Configurable templates generate patient referral letters. Referral letters received are scanned into Integra and retained in the patient's record. Progress of outstanding referrals is easily tracked using the waiting list facility. This is the ideal solution to simple management of referrals sent and received.

Recall

Recall correspondence can be set up to maintain contact with certain patient groups, e.g. diabetic patients. This means that the hospital department or practice can recall special-needs patients at predefined intervals, thus providing better care

Diary

Ocuko's diary is user friendly and very simple to configure according to your practice schedules. The diary allows for time management of multiple professionals. Multi views allow an overview of staff schedules for the day and weekly schedules for specific professionals. Looking for 'Next Available Appointments' within time or date range is easily accomplished using the search function. Appointment lengths can be varied during the course of a day depending on the amount of time required with a specific patient. The diary template is very flexible. A different template can be set up for each professional, with variable appointment lengths, starting times, finishing times and days of the week. The ideal implementation of the diary is over a network. With updates visible instantly the professional can monitor whether patients have arrived or have been delayed. A click of the mouse will bring the professional directly to a picture of the patient so that he/she knows whom to greet in the waiting room.

Technology

Acuitas is a very powerful system capable of handling practices with large multi-user PC network requirements. Acuitas' three-tier client/server architecture facilitates 'Remote Access' facilitating working from home. It also uniquely allows secure 'off-line' use for domiciliary care. Both multi-practice and 'multi-business' (shared-care) situations can be supported.

Oracle, Ocuko's preferred database engine, is built to handle large amounts of data required for medical imaging and record keeping. As recording requirements expand, Oracle's unsurpassed data-warehousing capabilities come into play. Oracle is the most secure and robust database system in the world, holding 80% of the world's medical data.

Integra can be integrated with Acuitas E-Recall™, Acuitas Optical™, Acuitas Retail™ and Acuitas Clinical™.

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