OCTOBER 2013

Karisma v4 News

The latest RIS news for Australia and New Zealand

Karisma v4 is Coming Soon

Karisma v4
What Does It Audit?

Mobile Radiology:
The Fundamentals

Touch Technology
Karisma and Touch

The Women's
Melbourne

Western Radiology
Perth

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Welcome to Karisma v4 News

In May last year, we launched the third version of Karisma, our flagship Radiology Information System. New Karisma features included Mobile and Web, as well as Order Entry and Inventory. Users reported a high level of satisfaction with the new release and it is proving to be a popular version.

Never one to rest on its laurels, our Development team has almost completed work on version 4 of the program. Karisma v4 features an inspired user interface designed to make the best use of the unstoppable emergence of touch screen technology and prepare for the future of radiology.

This magazine has been created to bring you information on the upcoming release and contains various articles which may be of interest to you - including a brief outline on the benefits of touch.

I trust you'll find the contents of this magazine informative and helpful and we welcome your feedback. You'll find more information on Karisma and Kestral at our website: www.kestral.com.au.

On behalf of myself and the team at Kestral, thank you for your interest in Karisma v4.

Kevin Moynihan (CEO)

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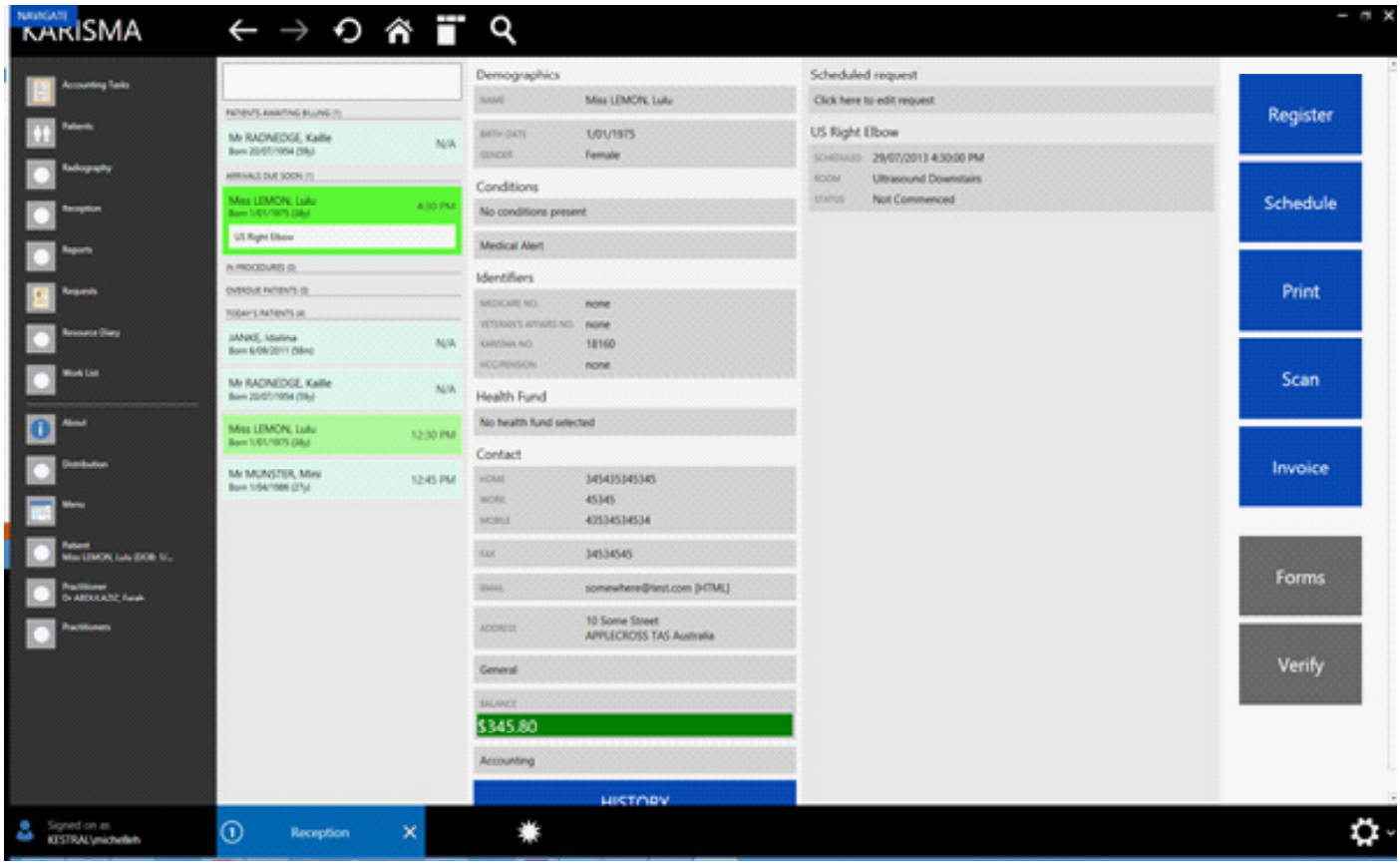
Karisma v4 is Coming Soon

The next major version of Karisma will provide an efficiency-charged user interface that's a blessing for touch screens and just as spectacular for a traditional mouse and keyboard setup.

It is hard not to notice the rapid take up of touch screen technology and the ways in which it is revolutionising how people interact with IT tools. From tablet devices to retail kiosks and beyond, touch screens are making life easier for users in all manner of industries – including medical information.

Karisma v4 harnesses this inspiring technology to provide users with the most intuitive UI we've ever developed. Touch screen UI simplifies the way Karisma is used through clear and simple menus.

Below is a sneak peek at the new Karisma v4 Reception screen.



As you can see, there are a number of large, easy to use buttons which will perform all of the usual functions of the Reception screen. The UI functions a lot like a web browser, simply and efficiently with standard Back, Forward, Home and Search buttons.

The Search function itself works like a "spotlight" which will find whatever you enter in the field throughout all of Karisma.

Another 'browser-esque' feature is the History function. History shows a list of screens viewed by the active user, in the same manner as browsing history in most web browsers. Each navigation instance is displayed as a link and can be used to return to the screen

The Menu button displays a page full of links to all the various modules available to the user.

From each link, a module can be opened or pinned to the Navigation Panel as a Favourite. A pinned link will always display in the Navigation Panel for the user who pinned it.

The Tab Panel along the bottom of the new Karisma window displays links to the open tabs. Open tabs are the modules and windows active in Karisma. Each open tab is numbered and the active tab is highlighted.

The growing number of exams and the increasing pressure to report quickly and accurately means time saving technology such as touch screens are a boon for busy facilities.

Karisma and Touch Screens

Touch screens are revolutionising the way we interact with technology.

Touch screen capabilities are being utilised in every context from tablet devices to retail kiosks. Like other technologies before it, the possibilities of touch are quickly being put into practice within a medical information technology setting.

The next generation Windows® 8 technology makes instinctive use of touch gestures as a natural companion to the keyboard and mouse. Karisma v4 harnesses this technology to provide users with the most intuitive UI we've ever developed.

The latest version of Karisma is based on an entirely new, already proven platform called Forge. With the Forge platform, Kestral developers have built a rock solid foundation on which to assemble the most powerful capabilities Karisma has ever known – all customised to make the very most of touch screen technology.

There are a number of advantages to using touch screens. To start, a simple touch is all it takes to carry out often complex tasks. The natural action of reaching out and touching what you want makes using the system easier than ever before.

An easy User Interface means more accurate data entry and faster learning curves, as users are less likely to touch what they don't want than they are to click it. Hours of time every week will be saved from the simple interface capabilities.

Touch screen UI also simplifies diagnostics through clear and simple menus. With limited choices on each screen, there is a greatly reduced likelihood of incorrect data entry.

Kestral is developing version 4 of Karisma to take full advantage of touch for the future. As more applications of touch technology become common place, the future direction of Radiology IT is assured.

What Does Karisma v4 Audit?

In any organisation, it's important to keep an eye on the big picture. Everything that happens throughout your facility is a piece of a whole. If you don't have access to all the pieces, you can't get a true idea of what's happening across the business.

In Radiology, we use audit trails to see every change ever made to our reports to help track down errors and diagnose exactly what happened in what order by which users. Audit trails are essential tools for looking back over time to see every action in the finest detail with complete and clear hindsight.

Audit trails give us the big picture to help us understand mistakes, formulate improvements and implement change to the systems and processes in place at our organisation. Having this picture helps make sure mistakes are never repeated. So how do we know what parts of our Radiology Information System (RIS) to audit? Which pieces of the puzzle do we keep?

- Report Modifications?
- Request Modifications?
- Patient Demographic Modifications?
- User Access?
- Report Printing?

What about the other information within the system?

- An exam's description?
- An exam's billable price?
- A doctor's phone number?
- A critical system setting?

The problem with looking back is we can only appreciate what should have been tracked when the mistake has been made.

So, how do we audit the right information?

We Audit Everything

Karisma 4 is built on our newly designed Forge platform. With Forge, auditing is automated across the entire platform. Put simply, auditing happens seamlessly across every bit of your data. Regardless of the action performed, it is stored, audited and retrievable.

No change is ever lost.

Every single bit of the system is audited, right down to the smallest settings for report delivery. Whatever is entered, deleted, modified, changed, moved, corrected, re-entered, verified, amended, authorised or altered, Karisma v4 automatically tracks and stores the changes, providing a permanent and retrievable audit trail.

So you can access and view everything again, any time; forever. It's all part of

giving you the complete picture

The Fundamentals of Mobile Radiology

Ultrasound, MRI, CT and general x-rays exams carried out in an imaging centre today are captured and stored in digital format, which has made it possible for radiologists to send images and radiology reports over networks to general practitioners and specialists.

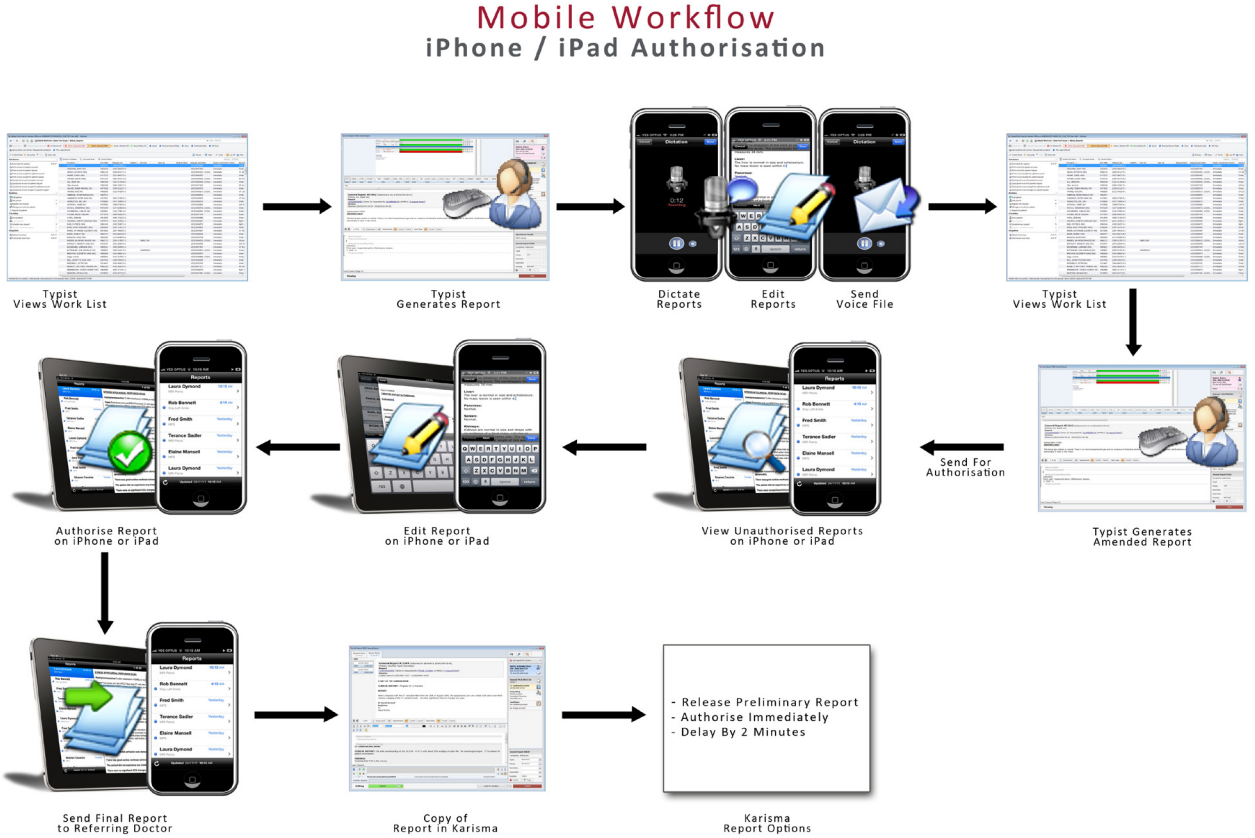
Due to the rapid uptake of mobile devices such as the mobile phone and the tablet computer, it has become possible to incorporate functionality so that radiologists can review diagnostic reports, alter content and authorise at any time or place in order to meet the needs of referring doctors and patients.

In order to best utilise mobile technology, there are a few essential features that must be available to radiologists and other users. These essentials are mostly no different to the features you'd expect from a traditional desktop solution – except that access to them is possible from virtually anywhere. Some essential features include:

- Access to the work list
- Push notifications of reports awaiting authorisation
- Editing and formatting capabilities
- Transfer of authorised reports to the appropriate referring doctor

Even with the very best technology, your mobile radiology process only performs as well as the workflow you put in place. Every business will have its own specific needs in terms of workflow and every good system must be customisable in order to adapt to changing requirements.

Following is just one possible workflow which makes best use of the technology currently available for mobile radiology solutions.



The Royal Women's Hospital

The Royal Women's Hospital (The Women's) in Melbourne is Australia's largest specialist hospital dedicated to the health of women and newborn babies.

The Women's provides services ranging from health promotion to clinical expertise and leadership in maternity services, gynaecology, cancer services and specialist care.

Karisma has been installed in The Pauline Gandel Women's Imaging Centre at The Women's. The centre provides MRI, fluoroscopy, mammography, general x-ray, interventional procedures and ultrasound to adults, children and neonates.

The Karisma installation tailored for The Women's was relatively straightforward. Kestral staff were on hand to ensure everything went smoothly while data upload was diligently undertaken by Support team members in our Melbourne office.

Besides the standard installation, features, such as SpeechMagic and desktop integration were deployed and will no doubt keep the radiologists happy and help them to perform their work in a more patient care orientated way.

Kestral would like to thank the management and staff at The Royal Women's Hospital for their assistance during the Go Live process. We look forward to assisting in their use of Karisma and congratulate them on the outstanding work they perform.

Western Radiology

Established in late 2011, Western Radiology (WR) offers a full range of imaging services including ultrasound, CT, thoracic imaging, musculo-skeletal imaging and pain management.

Western Radiology offers its patients bulk billing, high quality radiology services and customer care with the latest RIS/PACS technology and excellent personal service.

Western Radiology recently went live with Karisma. The Kestral project team and the team at WR configured Karisma RIS to reflect the needs of the clerical, radiography and radiology workflow requirements. The Kestral team were on hand to support the go live process.

Delighted with the benefits that Karisma RIS brings to the practice, Western Radiology has a new fully integrated RIS/PACS solution which allows the WR team to spend more time with patients and ensure that report are despatched to referring doctors in a timely manner.

As part of the Karisma RIS go live process, patient demographics were imported with XML files and custom scripting for the DICOM modality work list was created. Desktop integration with the PACS image viewer will significantly improve the radiologist's workflow overall.

Kestral would like to acknowledge the assistance of everyone at Western Radiology during the installation of Karisma. We are pleased to provide WR with a Karisma solution to help them further their reputation for excellent customer service.

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Karisma v4 is Coming Soon

Karisma v4 embraces the very best of touch technology from Windows® 8 to make using the RIS a simple and enjoyable experience.

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