



Medical Imaging Informatics Solution (MIIS)

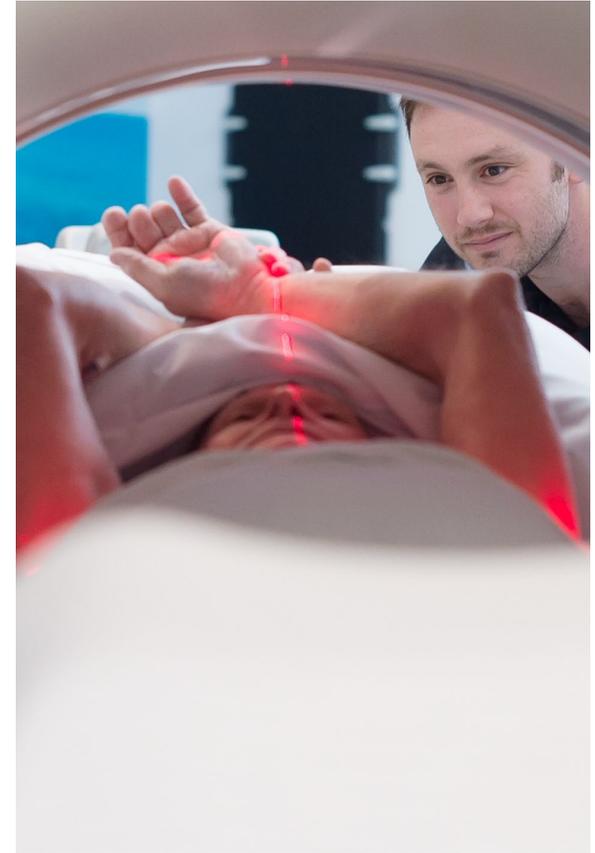
External Access to Radiology Results

Gold Coast Health
is implementing a new
**Medical Imaging
Informatics Solution (MIIS)**
in April 2019



Introducing Gold Coast Health's Medical Imaging Informatics Solution (MIIS)

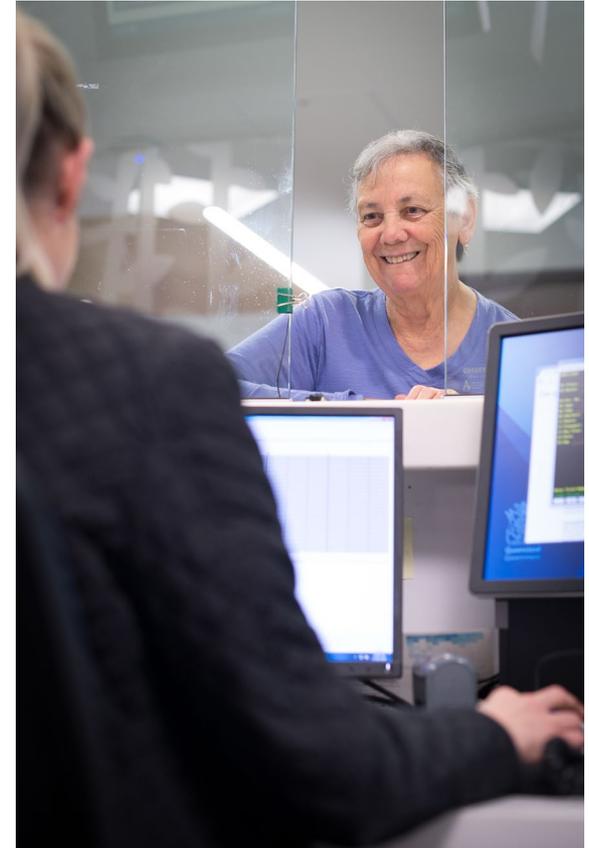
- From April 2019, we'll implement a new PACS viewing application at Gold Coast University and Robina Hospitals
- The system will replace our existing Agfa PACS and is supplied by Intelerad Medical Systems
- It will enable you to access your patients' imaging results through a web-based system as soon as they are available, meaning a quicker turnaround time and faster treatment



**Patients will benefit from
an improved connection
between their community
referrer and our Medical
Imaging Department**

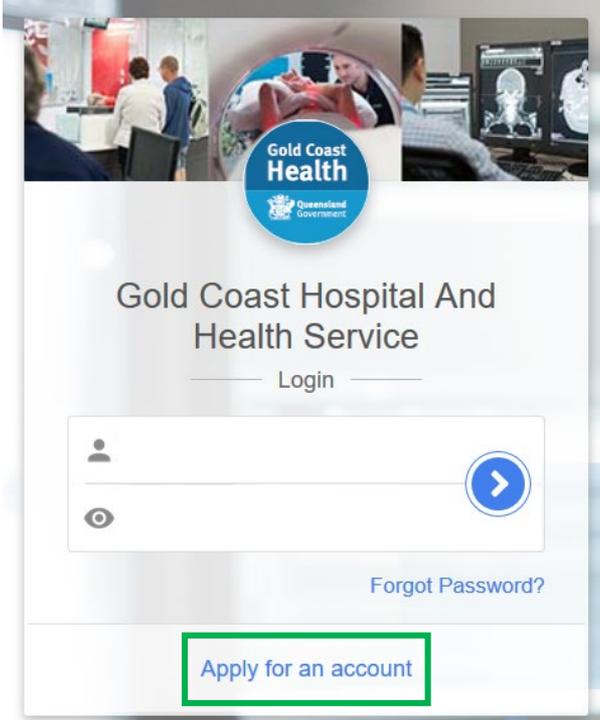
Distribution of the final report will be automatic if you are the primary referrer

- Patients may also request a copy of the Gold Coast Health Radiology report to be provided to you
- Results will be sent according to your recorded preference (fax or electronic messages to your practice software inbox)
- Alternatively, Gold Coast Health Radiology reports are also available within InteleConnect, MyHealth Record and your results portal such as 'The Viewer'



To create a user account, we need to know a few details about you

- If you are interested in using **InteleConnect** to access GCHHS Imaging records and have not received access please complete an account application
- This application form can be accessed from the GCHHS **InteleConnect** login page by following the link 'Apply for an account'
- Access is independent to other accounts you may have established with the private sector providers



Gold Coast Health
Queensland Government

Gold Coast Hospital And Health Service

Login

[Forgot Password?](#)

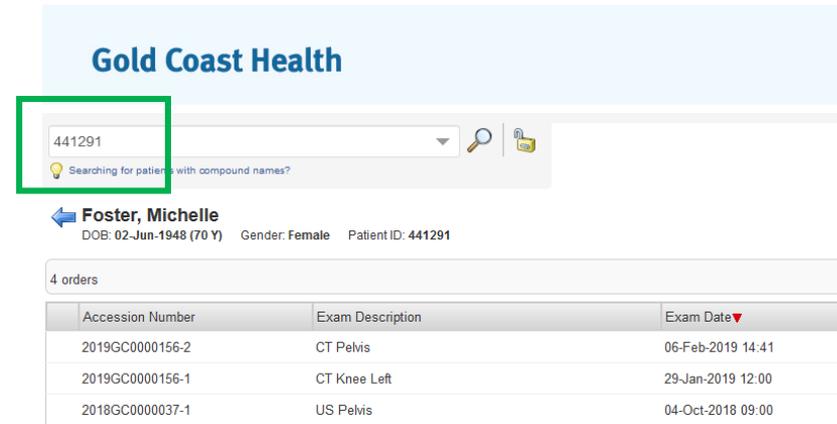
[Apply for an account](#)

<https://gchhspacs.health.qld.gov.au/>

Specific Patient Search

Specific patient orders can be retrieved by the patient's family name, full name or GCHHS Medical Record Number (MRN)

- If you have a specific patient search e.g. by MRN, you will be directed to the specific 'patient record'
- You can use a range of options and filters when searching for a patient
- If the list of search results are longer than one page, results can be sorted by column title



Gold Coast Health

441291

Searching for patients with compound names?

Foster, Michelle
DOB: 02-Jun-1948 (70 Y) Gender: Female Patient ID: 441291

4 orders

Accession Number	Exam Description	Exam Date▼
2019GC0000156-2	CT Pelvis	06-Feb-2019 14:41
2019GC0000156-1	CT Knee Left	29-Jan-2019 12:00
2018GC0000037-1	US Pelvis	04-Oct-2018 09:00

Using the ‘break-glass’ feature, clinicians can access to patient studies for which they’re not a primary referrer

- To activate a ‘break-glass’ search, you will need to know either the patients’ GCHHS MRN or their full name and date of birth
- Access will allow you to view only studies currently available on the PACS and not those acquired at a later date
- You will need to acknowledge and accept the terms of the associated confidentiality agreement
- Results can also be requested retrospectively

The screenshot shows the Gold Coast Health MIIS interface. At the top, there is a search bar with the text "Search patient name, id, accession" and a magnifying glass icon. Below the search bar, there is a yellow lightbulb icon and the text "Searching for patients with compound names?". A green box highlights the search bar and the lightbulb icon. Below the search bar, there is a dialog box titled "Access Break Glass". The dialog box contains the following text:

Access Break Glass

This feature allows you to view studies for which you were not granted automatic access.

I understand that I am about to access information for a patient for whom I am not the primary referring physician on record. I acknowledge that I am doing so only for medical reasons and for the sole benefit of the patient, and in doing so am bound to keep this information private and confidential.

Note: This feature allows you to view only studies currently available on the PACS. You do not have access to studies for this patient that are acquired at a later date.

Please allow a few minutes for the studies to become available.

I acknowledge and accept the terms of this confidentiality agreement.

Cancel

Patient Record

kestral



Welcome LocalGP LocalGP | My notifications | Patients | Profile | Help | Log out

💡 Searching for patients with compound names?

← Kestral, Robina

DOB: 01-Jan-1980 (39 Y) Gender: Male Patient ID: 9999997

28 orders

Exam appointment has been scheduled, further details are available in Case Viewer

Critical findings have been reported, further details are available in Case Viewer

	Description	Exam Date ▼	Radiologist	Order Status	Organization	Image Availability
	Octreo Diag	08-Jan-2019 11:53	-----	Patient Arrived (IP)	GCUH	No images
2018GC0000089-1	CT Abdomen Biopsy	25-Oct-2018 09:45	-----	Scheduled (SC)	GCUH	No images
2018GC0000045-1	CR XR Chest	10-Oct-2018 15:30	-----	Scheduled (SC)	GCUH	No images
2018GC0000043-1	CT Chest	10-Oct-2018 08:00	-----	Scheduled (SC)	GCUH	No images
2018GCU0000006-1	US Biopsy	05-Oct-2018 16:30	-----	Patient Arrived (IP)	GCUH	Online
2018GC0000006-1	CR XR Chest	04-Oct-2018 09:12	-----	Order Complete (CM)	GCUH	No images
2018GC0000005-1	US Abdominal Aorta	03-Oct-2018 11:15	-----	Scheduled (SC)	GCUH	No images
2018GC0000003-1	CT Abdomen	03-Oct-2018 11:00	-----	Scheduled (SC)	GCUH	No images
2018GCU0000007-1	XA AF Cerebral Embolisation	27-Sep-2018 11:46	MAY, Brendon	Final Report (ZZ)	GCUH	No images

Image status within GCHHS network

Patient Results Screen

- If you've used a broad search term e.g. Patient 1, your search will return a list of potential 'candidate' matches
 - A probability-based calculation method is used to search for patients who are a likely match to the current patient except for certain discrepancies in patient information such as Medical Record Number (MRN)
- Selecting one of these records will bring up the Patient Results Screen

Gold Coast Health

PATIENT 1 🔍 📄

💡 Searching for patients with compound names?

← Patient1, Test
DOB: 15-Aug-1977 (41 Y) Gender: Female Patient ID: 222111

2 orders [and 7 candidate orders](#)

Accession Number	Exam Description	Exam Date ▼
2018GC0000118-1	CT Head	02-Nov-2018 10:33
2018GC0000086-1	US Abdomen	02-Nov-2018 10:30

7 candidate orders for 5 similar patient demographics
Discrepant patient demographics are highlighted in red

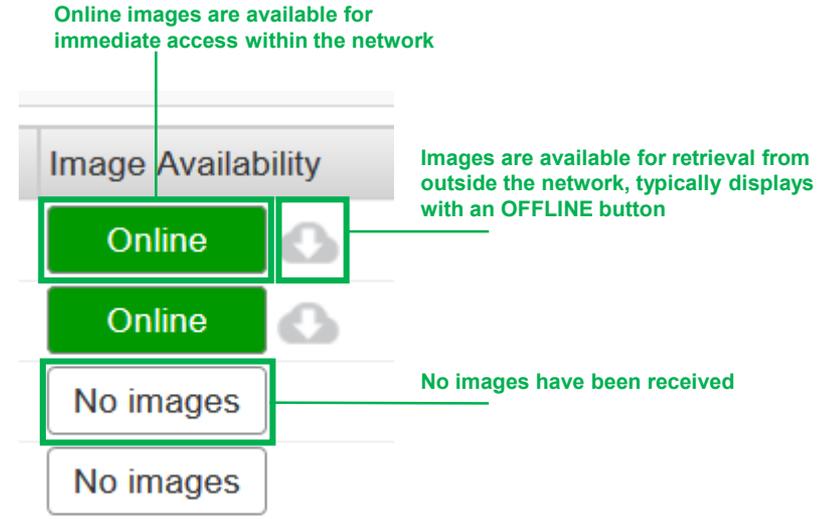
Patient4, Test
DOB: 15-Aug-1977 (41 Y) Gender: Female Patient ID: 222114

Accession Number	Exam Description	Exam Date ▼
2018GC0000077-1	US Renal Tract	23-Oct-2018 09:48
2018GC0000071-1	US Abdomen	22-Oct-2018 14:01

Patient5, Test
DOB: 15-Aug-1977 (41 Y) Gender: Female Patient ID: 222115

Image Availability

- **ONLINE** images are available for immediate access in the Gold Coast Health PACS studies
- **OFFLINE** images are studies that exist and are available in two ways:
 - The images are either retrieved automatically from outside the network when you open an order *OR*
 - Users can trigger the **RETRIEVE** button in the Image Availability column



Viewing a patient order in Case Viewer

- Selecting an order from the patient search screen will load the patient and study information in the **Case Viewer** including scheduled study date, images, reports and critical results
- From the **Case Viewer** users can immediately export the study to PDF, Enhanced Viewer (EV) or InteleViewer

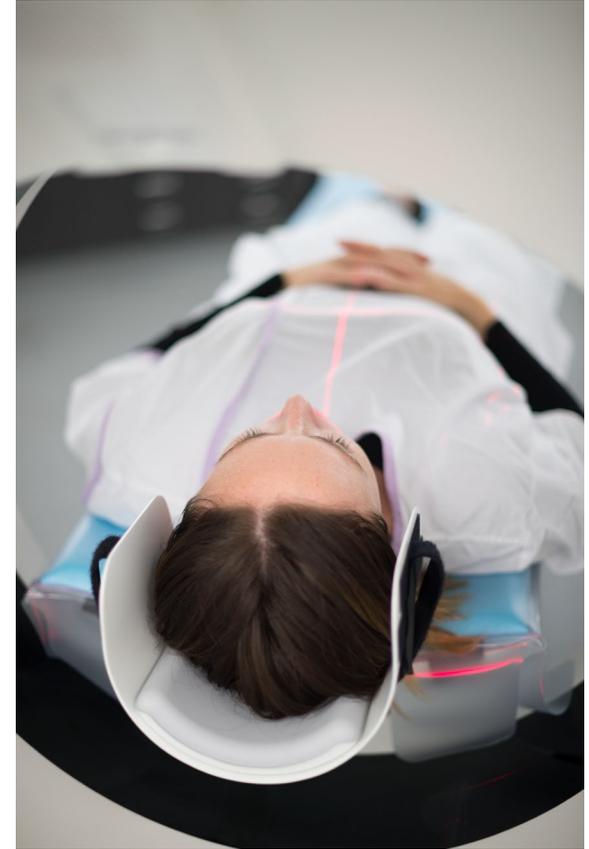
The screenshot displays the Gold Coast Health Case Viewer interface. At the top, it shows the Gold Coast Health logo and the Queensland Government logo. Below this is a search bar with the text "Search patient name, id, accession" and a search icon. A notification "Welcome LocalGP LocalGP" is visible on the right. The patient information section shows "Foster, Michelle" with DOB: 02-Jun-1948 (70 Y), Gender: Female, and Patient ID: 441291. There are buttons for "View PDF..." and "Launch InteleViewer". The study details for "CT Pelvis" are listed below:

CT Pelvis	
Priority	R
Accession Number	2019GC0000156-2
Referring Physician	Test (hospital dr) Kestral
Organization	GCUH
Status	Order Complete (CM)
Study Date	06-Feb-2019 14:41
Radiologist	
Location	A30FRAC***GCUH*****Gold Coast University Hospital

On the right side, there are six thumbnail images of CT Pelvis scans arranged in a 2x3 grid. The top row shows "CT PELVIS SAG SOFT (146 images)", "CT PELVIS COR BONE (78 images)", and "CT PELVIS AX SOFT THIN (274 images)". The bottom row shows three more axial slices.

Launching images with IntelConnect's Enhanced Viewer (EV)

- Selecting any image thumbnail from the **Case Viewer** will launch a clinical viewing application providing basic image manipulation tools
- Watch **IntelConnect's** tutorial:
<https://player.vimeo.com/video/209752868>



Critical Results Notifications (CRN)

- The 'Critical Results Notifications' list will display urgent or important information that requires immediate attention and acknowledgement
- An order for which there is a critical results shows a coloured flag which highlights the urgency required

← Craig, Daniel
DOB: 02-Jul-1972 (46 Y) Gender: Male Patient ID: 400404

[View PDF...](#) [Launch InteleViewer](#)

[See all patient exams \(2\)](#)

<p>CR XR Chest</p> <p>Priority R</p> <p>Accession Number 2019GC0000098-1</p> <p>Referring Physician Test (hospital dr) Kestral</p> <p>Organization GCUH</p> <p>Status Order Complete (CM)</p> <p>Study Date 21-Jan-2019 10:44</p> <p>Radiologist</p> <p>Location GNEUR^^^GCUH^^^Gold Coast University Hospital</p>	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>CR W CHEST PA (1 image)</p> </div> <div style="text-align: center;">  <p>CR REQUEST FORM (1 image)</p> </div> </div>
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Critical results

Tension pneumothorax

Mild opacity suggestive of ? lesion R ML - follow-up HIRES CT recommended.

Critical results have yet to be acknowledged.

[Acknowledge](#)

Data Migration

- This is a complex undertaking that requires the collaboration of many parties including the solution vendors:
 - There will be minimal migration of patient medical images and reports complemented by MIIS Go-Live on 1 April 2019
 - GCHHS will ultimately be migrating the last 18 months of PACS records and reports from April 2010
 - It is anticipated that this will be complemented by Sept 2019
 - A job can be lodged with GCH PACS Administration (email GCHPACSAdmin@health.qld.gov.au) if permanent retrieval of older PACS records is deemed a clinical imperative



Private Imaging

- Community connectivity is an important goal for Gold Coast Health
- We are continuing to look at opportunities to expand access to private imaging from within our new systems
- Gold Coast Health are working with Queensland Health's prevailing initiatives to deliver on this goal



Further Support

- IntelConnect Enhanced Viewer (EV) has a very handy online help tool built into the application. Access via the menu bar.
- [Check out the IntelConnect Quick Reference Guide \(PDF\)](#). This is also available from the application toolbar.
- If you or your team have additional enquiries, please contact Gold Coast Health's PACS via Support GCHHSPACSAdmin@health.qld.gov.au or phone 0756874406 for urgent enquiries



