



Cobalt

Diagnostic Imaging for Life

Registered Charity No: 1090790

Vue Motion and MyVue

A solution for easy access to images?

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Cobalt



Registered Charity No: 1090790

Cobalt – Who are we?

- ❖ **Medical Charity** - Established 1964
- ❖ **The Cobalt Unit** - (Cheltenham Oncology Centre)
- ❖ **Supported the Gloucestershire - Breast Cancer Screening Service**
- ❖ **Development of oncology services in the 3 Counties**
- ❖ **Funding for research, development and education.**

Cobalt – Who are we?

Diagnostic Imaging Provider

Mobile MRI (1994)

- ⚛ 3.0 Tesla
- ⚛ 1.5 Tesla
- ⚛ Integrated services.



Cobalt – Who are we?

Diagnostic Imaging Provider

Cobalt Imaging Centre - 2006

☼ PET/CT

☼ High-field Open MRI

☼ 3.0T MRI.



Cobalt

Diagnostic Imaging Provider

- ⚛ 25,000 examinations per annum
- ⚛ 19,000 reported
- ⚛ Mostly NHS but some private
- ⚛ Full 10% audit
- ⚛ Teleradiology - Limited
- ⚛ Carestream RIS and PACS.



Carestream

 **Cobalt**
Diagnostic Imaging for Life

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Image viewing and transfer

- ⚛ Carestream PACS
- ⚛ N3 connection
- ⚛ Image Exchange Portal
- ⚛ Biotronics
- ⚛ bbRad
- ⚛ PACSMail
- ⚛ CDs.



Cobalt

Image Viewing and transfer

Problem

Referrers may not have access to PACS

- ❖ MSKCAT
- ❖ GP AQP
- ❖ Research
- ❖ Private patients

CD/DVD

- ❖ Information Governance
- ❖ Read issues
- ❖ Access
- ❖ Cost – CD, postage and Human.



Image viewing and transfer

Carestream Vue Motion and MyVue a possible solution?



Image Viewing and transfer

Solution?

Vue Motion – Remote referrer access to images and report

- ❖ Secure web browser
- ❖ PACS functionality
- ❖ Zero-footprint
- ❖ Vendor-neutral
- ❖ View imaging data and patient information
- ❖ Access to previous studies
- ❖ Stick note capability and refer patients
- ❖ Diagnostic review accessible on a variety of devices
- ❖ Intuitive – no dedicated applications training required.

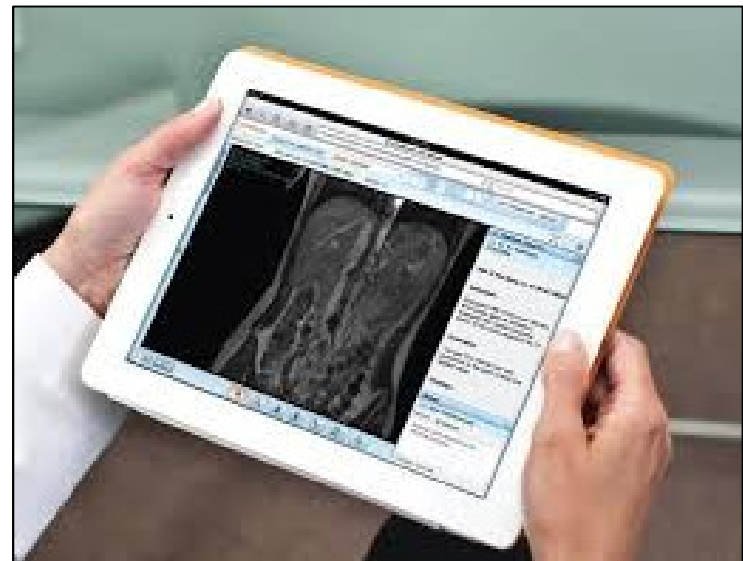


Image Viewing and transfer

Solution

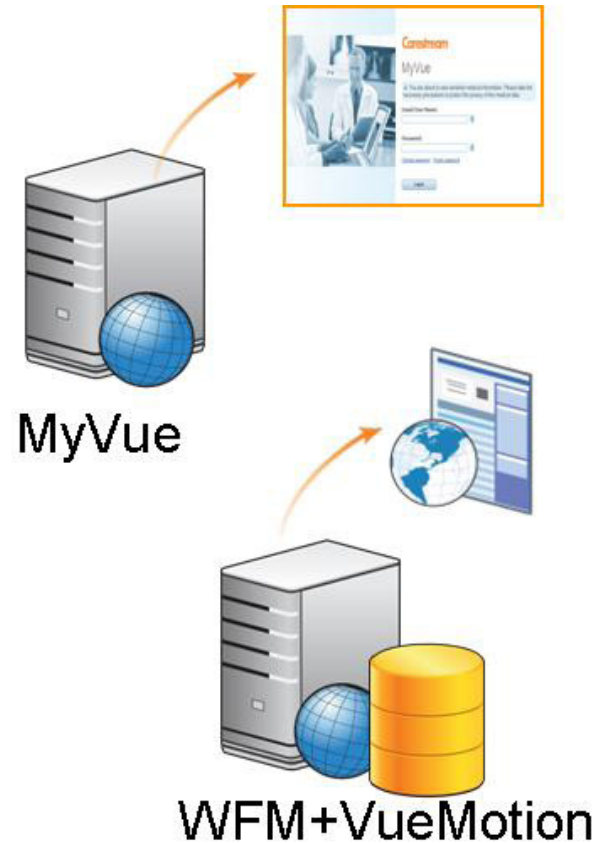
MyVue – Patient access to images

- ❖ Secure web browser
- ❖ PACS functionality
- ❖ Zero-footprint
- ❖ Diagnostic review accessible on a variety of devices
- ❖ (View previous images and report)
- ❖ Sharing period.



Vue Motion and MyVue - Data Security

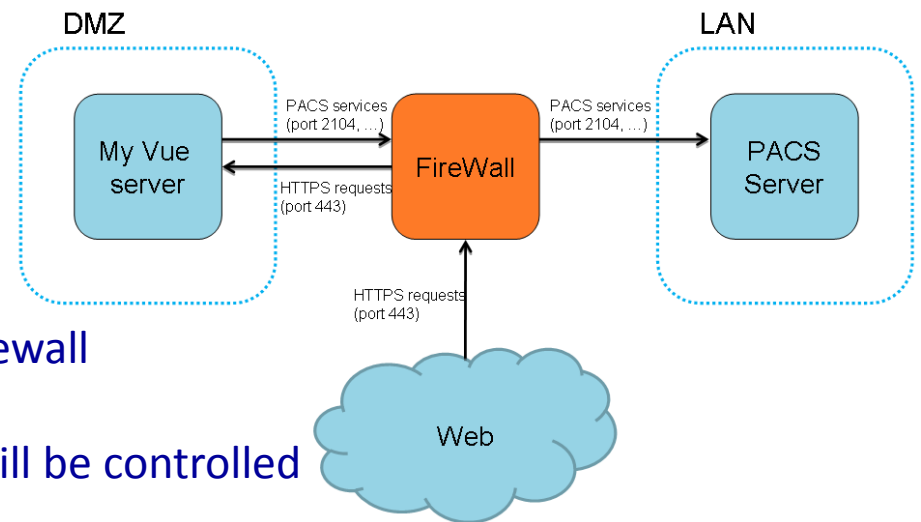
- ⚛ USA Configuration
- ⚛ Only example of Vue Motion Internal network
- ⚛ Direct access to PACS server.



Vue Motion and MyVue - Data security

DMZ configuration

- ❖ DMZ separate the Web server from the Cobalt network & internet.
- ❖ Web server connected to a different leg of firewall
- ❖ All network activity within and to the server will be controlled and monitored by the firewall
- ❖ Testing including penetration tests.





Introducing Vue Motion

The Reason

- ✳ Referrers demand easy and quick access to images & exam results
- ✳ To provide a simple & intuitive system to view images from anywhere & at anytime

The Need

- ✳ Speed and performance
- ✳ Simple, easy to adopt, requires little or no dedicated training

Introducing Vue Motion - Referrers

MSKCAT

- ✳ Valuable tool for this group of referrers
- ✳ Refer around 5-10 patients a day
- ✳ No PACS
- ✳ Images were sent via CD
- ✳ A costly & inefficient solution for both

2gether NHS Foundation Trust

Spire Clinic – Cheltenham

Gloucestershire Hospital NHS Foundation – MDT



Introducing Vue Motion - Referrers

Benefits to both parties

- ✧ Speed and performance – log on & view patients images & reports
- ✧ Simple, easy to adopt – they can share the images
- ✧ Referrers have ownership of all their patients images
- ✧ Fast, portable & user friendly.

Vue Motion - Home Page

Easy-to-Search, Privileged-Based Access

iPad 6:28 PM 90%
 Carestream Vue Motion
 cs-vuemotiondemo-us.carestreamhealth.com/portal/ Google
 Carestream Search for patient (16) WOLF SARA Hello Christine Kao Sign out
 Free Search | Last Viewed
 Last name: [] First name: [] Patient ID: [] Accession #: [] Quick search
 Filter by: Date - All | Patient Location - All | Studies with - All | Status - All | Modality - All
 Patient Search Results (16) Page 1 of 2

Patient name	Patient ID	Date of birth	Gender	Patient's Most Recent Study	Report	Note	Key
BLACK, DONNA	10011	10/14/1961 (47Y 6...)	F	5/13/2009 10:59 AM XA 1001199			
CEARLEY, WILMA	DIT2240319...	10/30/1919 (89Y 8...)	F	7/13/2009 8:49 AM XA DIT1465790965			
DEMODRX1C	DIT1472313...	6/2/1947 (63Y 9M)	O	3/21/2011 8:05 PM DX CHEST DIT4223179076			
HATCHER, AMY	2009679843...	9/11/1932 (78Y 2M)	F	11/28/2010 10:39 AM CT ANGIOABD 927500...			
HOPKINS, MARY A	2009354867...	10/19/1928 (76Y 8...)	F	7/11/2005 3:00 PM MR NECK 9275000039526			
JENKINS, SARA	2009346546...	2/6/1942 (65Y 10M)	F	1/1/2008 10:10 AM CT CT BRAIN 927500003...			
JONES, COLLEEN A	2009546546...	12/19/1963 (43Y 2...)	F	2/26/2007 7:54 PM CR CHEST 9275000039541			
LEARY, ALLAN	10008	11/14/1948 (60Y 4...)	M	4/8/2009 12:52 PM US 987			
SCHULTZ, HELEN V	1002772	12/15/1928 (77Y 3...)	F	3/22/2006 8:05 AM XA 30564981			
STORY, SUSAN	DR20001	2/10/1985 (26Y 2M)	F	5/8/2011 12:00 AM DX SHOULDER 20040210...			
STORY, SUSAN	7A6	2/10/1985 (19Y 5M)	F	7/30/2004 11:54 AM MR LUMBAR 3020005601			
TAYLOR, CHRIS	121778	10/5/1942 (62Y 7M)	M	5/12/2005 11:59 AM NM NKSZ 782683			
VERMEIRE, EDGARDO A	2009008578...	2/11/1950 (59Y 3M)	M	5/19/2009 7:05 AM ECG CARDIAC 001046VRB			
WAYNE, JOHN	R119204	2/19/1945 (63Y 11...)	M	1/27/2009 4:33 PM CR CHEST 1004206301			
WHITE, KEN	3512562	2/26/1942 (68Y 3M)	M	6/20/2010 11:37 AM CT CHEST 6789			



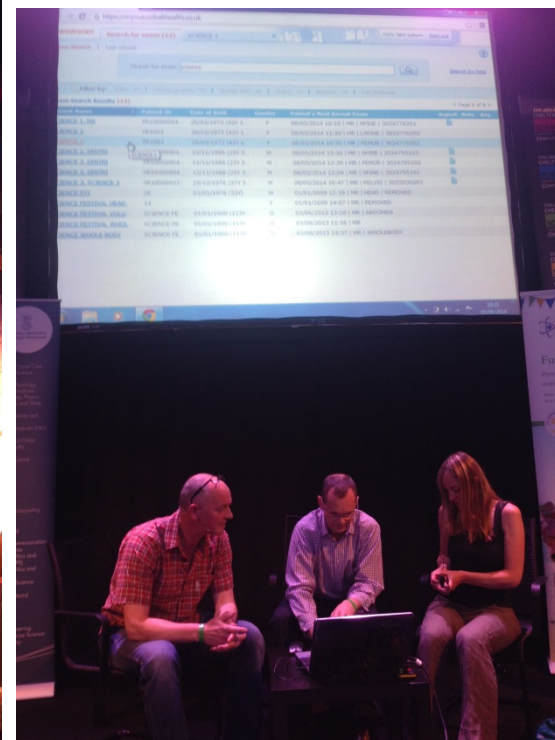
Registered Charity No: 1090790

Vue Motion - Access to Full Patient History

The screenshot displays the Carestream Vue Motion software interface. At the top, the patient ID is 143570, and the search results show 'RIMA EK143570'. The patient's date of birth is 10/8/1928 (80Y) and gender is M. The interface is divided into several sections:

- Patient History:** A sidebar on the left with a filter for studies by date range (Last Month, Last Year, Last 3 Years, All). It lists five studies:
 - 10/24/2008 3:28 PM MR MR ABDOMEN
 - 10/24/2008 2:58 PM MR MR PELVIS
 - 10/22/2008 10:26 AM CR CSPINE XR CERVICAL SPINE 2 or 3 VWS
 - 10/22/2008 10:20 AM CR LSPINE XR LUMBAR SPINE 2 or 3 VWS
 - 10/22/2008 9:25 AM MR MR LSPINE
- Main View:** Two side-by-side medical images. The left image is an axial MRI of the abdomen. The right image is a coronal MRI of the abdomen. Technical details for the right image include: RIMA EK143570,143570, 10/24/2008, 3:59:52 PM, DEMO, Acc: 1003019401, Study Desc: MR ABDOMEN, Pos: -48.14 mm, SW: 4.80 mm, 20CC MAGNEVIST, C:871 W:1743, Zoom: 82%.
- Patient Reports:** A sidebar on the right containing:
 - TECHNIQUE:** MRI abdomen with and without contrast and MRCP was performed on the GE 1.5 Tesla high field scanner at the Renaissance Imaging Center. Patient was examined both before and following the uncomplicated intravenous injection of 20 cc of gadolinium. 3-D coronal rotating MIP Images of the biliary tree are available for review.
 - COMPARISON:** None available
 - FINDINGS:**
 - MRI Abdomen:** The liver is normal in size and homogeneous in signal intensity. There is normal signal intensity within the liver. No liver mass lesion or intrahepatic biliary dilatation is seen. The spleen is normal in size and homogeneous in signal intensity. The stomach is partially collapsed but grossly unremarkable. The pancreas, as visualized, is equally unremarkable. No pancreatic lesion is seen. The adrenal glands and kidneys are symmetrically normal. The aorta is of normal caliber. There is no retroperitoneal lymphadenopathy. The bowel and mesentery, as visualized, are all unremarkable.
 - MRCP.:**

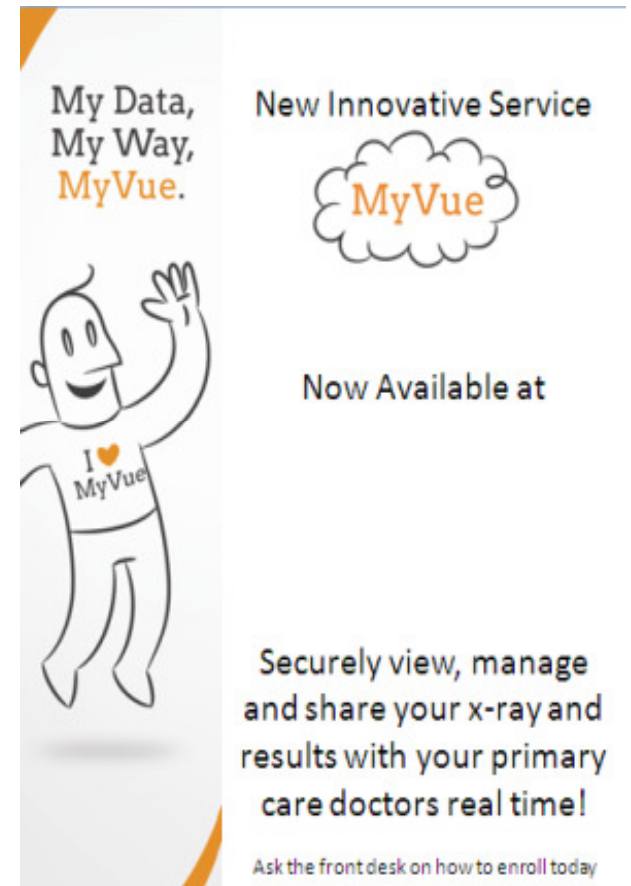
Education using Vue Motion



MyVue - Introduction

Marketing and Information

- ⚙️ First time use needed to be easy and successful
- ⚙️ Upfront education - Help with adoption & on-going satisfaction
- ⚙️ Carestream provided Patient Marketing Kit
- ⚙️ Literature available needed a bit of tweaking & Cobaltising.



My Data,
My Way,
MyVue.

New Innovative Service

MyVue

Now Available at

Securely view, manage
and share your x-ray and
results with your primary
care doctors real time!

Ask the front desk on how to enroll today

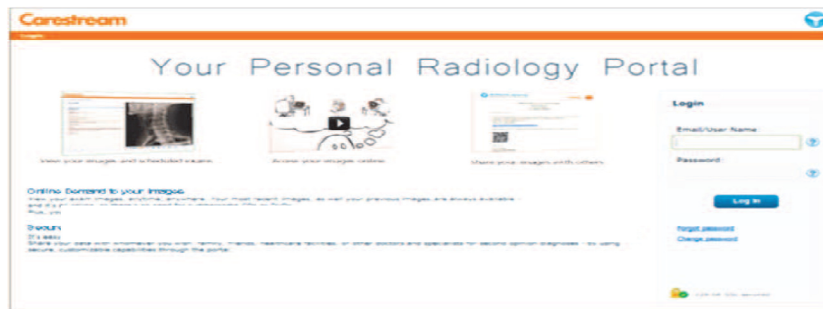
I ♥ MyVue

MyVue- Marketing Makes a Great First Impression

Patient Guide to



As leaders in medical imaging technology Cobalt are pleased to bring you the latest and environmentally friendly way for you to access and share your medical images with doctors, specialists and others. This will be enable you to securely access copies of your scan images online in your own home, through your Personal Radiology Portal.




Logging into MyVue

- We will send you two emails, one with the link to the MyVue site and a second with a system generated password within a few days of your visit to Cobalt
- If you do not receive an email from us within a week of your visit please call us on 0800 1387202 a member of our team will help you
- You can reset your password to something more memorable when you log in to the system
- There is an option to retrieve a forgotten password (this option will only be active AFTER your initial login has been completed)




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MyVue- Marketing Makes a Great First Impression





**For additional support call:
0800 1387202**



FAQ (Frequently Asked Questions)

If I need additional help, what can I do?	Call 0800 1387202 during normal working hours
Can I use a Macintosh Computer?	Yes
What version of Internet Explorer must I have?	We support IE7, IE8, IE9 (with IE7 or IE8 you will need to download Google Chrome Frame)
Can I use Google Chrome, Safari or Firefox?	Yes
Can I view my exam report?	No, your report will be sent to the medical professional who sent your referral so that they can discuss the report with you
Can I share my images with other people?	Yes, see how to instructions below
If I still need a CD of my images can I get one?	Yes, however you may create one yourself with data in a standard medical format (DICOM) as well as in JPG, accessible by most hospitals and imaging centres. Please follow instructions below on how to save the images to my local PC
Can I see multiple images?	Yes, you can see all the images you have had taken, at Cobalt
Can I use an iPad to view my exams?	Yes, be aware some features operate a little differently when using an iPad
How do I know when my images are ready?	You will receive an email stating updated diagnostic information has become available for you
Can I print the images on my home printer?	Yes, select the print icon while viewing the exam





MyVue - Security

 2 Token access

 Password at visit

 Login via email



After you receive your personal email from MyVue, record the information here:

Username: _____

Password: _____

For more information visit:

www.cobalthealth.co.uk/myvue

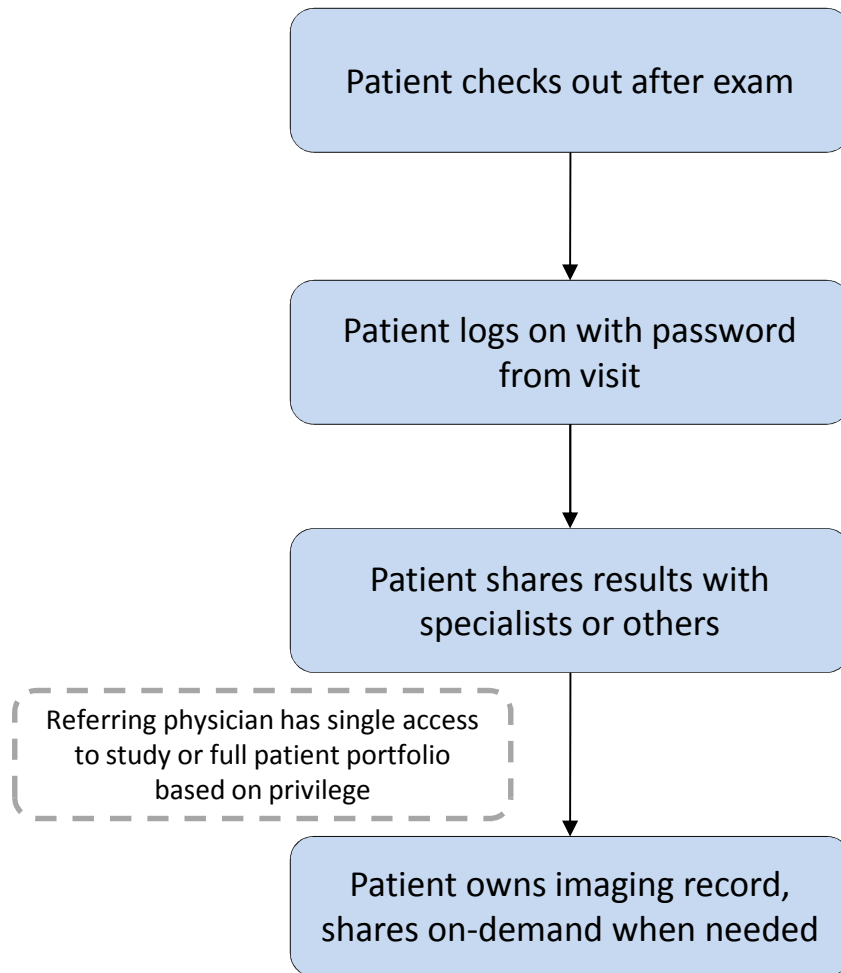
or call Customer Support on 0800 1387202



Cobalt
Diagnostic Imaging for Life



MyVue – Patient Centric Workflow



MyVue - Enabling Patient Access

★ | Filter by: Date - All | Patient Location - All

Patient Search Results (1)

Patient Name	Patient ID	Date of Birth	Ge
<u>RIMA, EK881153</u>	881153	3/28/1920...	

- Load patient in new tab
- Load key images
- Order Entry...
- Patient access rights...**
- Share exam...
- Manage existing sharing...

Patient Access Rights

Disable patient access

Enable patient access

First Name:

Last Name:

Email/User Name:

ID No.:

Patient Access Enabled

The patient has been granted access to exam data. To view the data, the following credentials should be used:

Name:
RIMA EK881153

ID No.:
100808

User Name:
gabis@algotec.co.il

Password:
uR1hMLEJ7

Site Address:
<https://vmme/WebLogin.aspx>

MyVue - Sharing by the Patient

Patient receives email with log-in information

- Unique user-id and password
- View images
- Manages sharing options

Manage Existing Sharing					
Exam	Shared by	Shared on	Expires on	Shared with	
CT 24/06/2009	me	19/03/2012	18/04/2012	neville.s...	
	tamar eld...	19/03/2012	31/12/9999	me	
CT 24/06/2009	me	19/03/2012	18/04/2012	tamar aaa	

Share Exam

Email address of the guest with whom you wish to share the exam:

Sharing Options

- Allow access to the exam for the next 30 days
- Share entire patient portfolio
- Allow guest to share exam with additional guests
- Hide patient details
- Send an automatic invitation email to the guest

Personal message to the guest:

I fully understand my responsibility as to the security and integrity of information obtained and shared through the medical imaging application

Please note: The owner of the provided email will have access to the shared exam. Please verify the provided email indeed belongs to the person with whom you wish to share the exam.

Welcome!

You have just logged in successfully to MyVue. To ensure the security of your medical information, we need you to change the initial password which you used to log in:

New Password:
You must enter a minimum of 8 characters

Normal

Re-type Password:

Please select a security question and answer. This information will help us restore your password in the future in case you forget it.

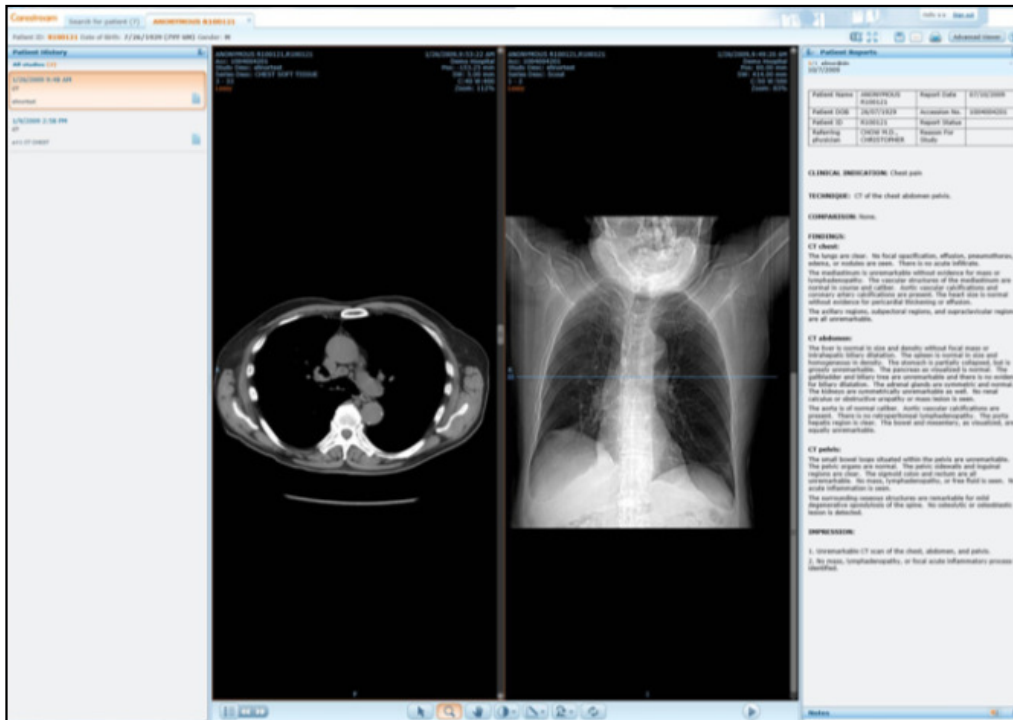
Security Question:
Please choose a value...

Security Answer:

My Vue - Guest Access to Shared Exams

Physician receives email notification

- ⚛ One time registration
- ⚛ Access to exams to view images & reports
- ⚛ Can access multiple patients



Carestream
MyVue
Registration
Please fill in the following details:

Email: *

First Name: *

Last Name: *

Title:

Password: *
You must enter a minimum of 8 characters

Confirm Password: *

Address:

Telephone Number:

Fax:

Security Question: *

Security Answer: *

Vue Motion and MyVue - Feedback

Vue Motion

- 🌀 Launched – 1st April
- 🌀 Targeted MSKCAT, 2gether NHS Foundation Trust and local oncology MDTs
- 🌀 Feedback

- ✓ Easy of use
- ✓ Access to previous imaging and report
- ✓ Good navigation
- ✓ Preference over CDs
- ✓ Flexibility – Anytime and anywhere
- Issue – Firefox or Google Chrome required

Quotation

Far better than CDs, very easy to logon and navigate and great to have access to the report. MSKCAT

Transformed MDTs!. Dr Tarun Kurvilla

Vue Motion and MyVue - Feedback

MyVue

🌟 Launched – 1st May

Process of login (score 1-5)	1.9
Easy of changing password (yes/no)	85% yes
Ease of use (score 1-5)	2.5
Did you share images (yes/no)	66% yes
If you shared, did it work well? (yes/no)	85% yes

'The web page was simple enough to navigate through and to change my password. I was able to see my scans and the links to share the images worked really well'

'It was very easy to use and it had a great deal of information. I thought it was really interesting getting to see all of my scans wish we could all get this service when we go elsewhere'

'I felt for once that I had ownership of my images'



View Motion and MyVue - Conclusions

Vue Motion

- ✳ Referrer satisfaction
- ✳ Easy to use
- ✳ Easy to log on
- ✳ Good navigation
- ✳ Improved governance
- ✳ Educational tool

MyVue

- ✳ Patient satisfaction
- ✳ Streamline the process
- ✳ Improved governance
- ✳ Won't suit all
- ✳ Cost effective?



What's next for Cobalt?

Vue Reporting/Native PACS

- ⚛ Better workflow
- ⚛ Remote access
- ⚛ Minimised data entry
- ⚛ Quicker report turnaround
- ⚛ Cost Saving – Staff?



Cobalt

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