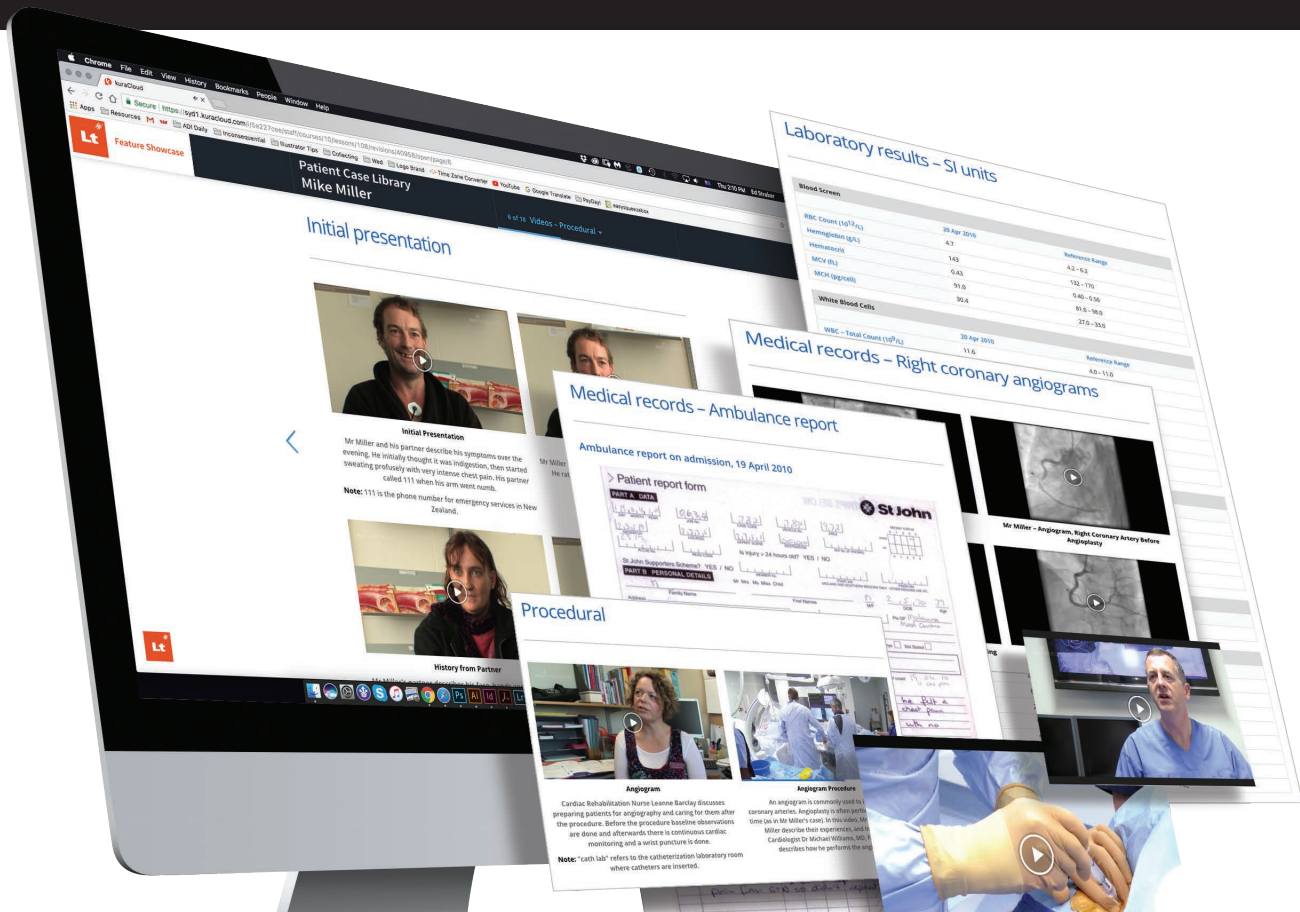




**CREATE  
SHARE  
INSPIRE.**

# Patient Case Library

A rich resource of real patient journeys



Lt is a cloud-based learning platform for health professional courses that helps you bridge the gap between theory and practice.

Our Patient Case Library contains the resources our instructional designers use to create the lessons in our Medicine and Nursing Collections.

Each patient lesson includes a summary of the patient's medical story, video interviews with the patient and their health-care professionals, test results, specialized investigations, patient history, and videos of key medical procedures performed on the patient.

The Patient Case Library provides you with 31 patient packs to choose from, across a range of cardiovascular, respiratory, neurological, and renal conditions, and more.

Case resources can be easily integrated into your own lessons, letting you create the lesson you want, without the need or cost of creating your own multimedia resources.



Improved efficiency



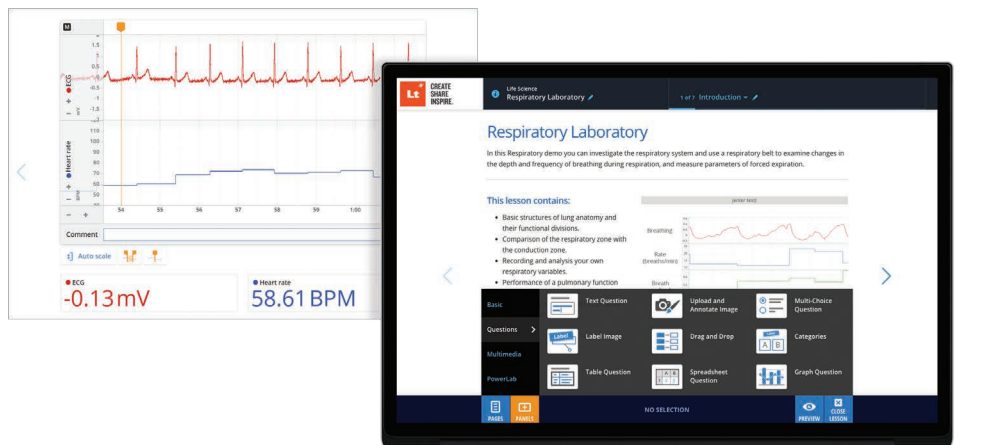
Increased student engagement



Improved results in theory and clinical practice



Increased student pass rates



*"Lt's real patient case studies make theory highly clinically relevant and engaging for our students."*

**Jack Simpson,**  
Lecturer, Nursing  
University of the West of Scotland



# What's in a Patient Pack?

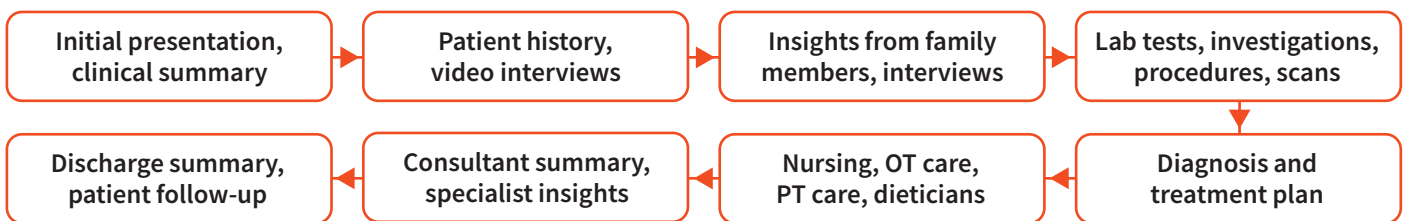
Each patient's medical story is different, so each case has different content to use in your teaching. A typical patient pack can include:

- A short clinical summary (similar to a medical letter) and a chronological clinical summary
- Video interviews with patients and relatives as well as health-care professionals (Consultant, Nurse, OT, PT, Specialized Technicians and Dieticians). Each video includes subtitles and a captioned summary
- Lab test results: SI and non-SI units
- Video of clinical examinations and medical procedures, including subtitles and captions
- Specialized investigations such as chest X-rays, ECGs, MRI, and CT scans
- A discharge summary
- Suggested teaching topics

## Combine different patient resources and incorporate your own content to:

- Teach pathophysiology
- Alternate teaching cases across years
- Illustrate a scientific concept, such as how to read an MRI
- Compare different presenting symptoms for the same condition
- Follow a patient's story through your curriculum, building the case's complexity, or examining different aspects of a patient's condition
- Provide supplementary cases for students to expand and consolidate their learning

## Typical patient journey



## Patient Case Library Collection

## 31 REAL PATIENT CASE STUDIES

### Alfred Ashmore Polycystic kidney disease

CT scans, ECHOs, letters, urine dip, venipuncture, abdominal exam.

**26 videos:** 14 patient, 4 consultant, 5 dialysis nurse specialist, 3 procedural.

### Angela Williams Menorrhagia

Letters.

**20 videos:** 13 patient, 7 consultant.

### Barry West Stroke

CT, MRI, letters.

**17 videos:** 1 patient, 5 wife, 3 follow-up, 2 consultant, 6 rehabilitation specialist.

### Ben Wolfe Type 2 diabetes

X-rays, letters, podiatry assessment.

**25 videos:** 18 patient, 1 follow-up, 2 consultant, 4 podiatry.

### Betty Flannery Left ventricular failure

X-ray, ECG, letters, ECHO report.

**11 videos:** 9 patient, 2 consultant.

### Carol Campbell Type 1 diabetes

Daily blood glucose and dietary records, letters, measuring blood glucose, urine dip.

**32 videos:** 14 patient, 6 consultant, 2 procedural, 1 husband, 4 nurse, 5 dietician.

### Charlie Park Coronary artery disease

ECGs, exercise test report, angiograms, letter.

**6 videos:** 3 patient, 3 consultant.

### Chris Rawlins Type 1 diabetes

Letters, measuring blood glucose, urine dip.

**37 videos:** 17 patient, 6 wife, 3 consultant, 2 procedural, 4 nurse, 5 dietician.

### David Marks Myocardial infarction

Angiogram, X-ray, ECG, letter.

**7 videos:** 6 patient, 1 consultant.

### Emma Smith Granulomatosis

Histology, letters.

**25 videos:** 17 patient, 8 consultant.

### Frank Foster Becker muscular dystrophy

Neurological examination, letters, ECHO, lung function tests.

**23 videos:** 19 patient, 4 consultant.

### Gwen Simms Osteoarthritis

X-ray, letters, limb examination.

**11 videos:** 6 patient, 2 examinations, 3 consultant.

### Harry Barker G6PD

Letters, spirometry, X-rays, biopsy reports.

**23 videos:** 20 patient, 3 consultant.

### James Hinton Aortic stenosis

ECGs, X-rays, ECHOs, angiograms, letters.

**14 videos:** 6 patient, 3 consultant, 1 nurse, 4 procedural.

## Meet Mrs Montgomery

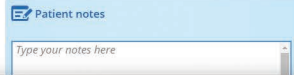
Watch the videos to meet Mrs Montgomery and her husband. As you watch, note any **signs and symptoms**, so you can make your diagnosis.



Mrs Montgomery struggles with breathlessness.

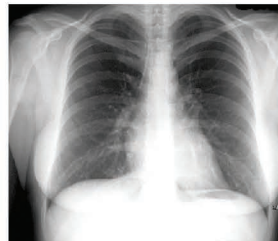


Mrs Montgomery's husband describes her illness.



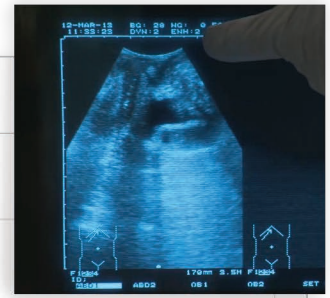
## Chest X-ray

Mrs Montgomery had a chest X-ray performed in January 2010. A healthy adult's chest X-ray is shown for comparison.



## Medical records – Letters

Discharge summary, 11 September 2005



Re: Alfred Ashmore  
admitted 09 Sep 2005.  
Biopsy from renal biopsy performed 07 Sep 2005.  
Diagnosis: Renal cell carcinoma.  
Management: Nephrectomy performed 13 Jul 2005 (Capital Hospital).  
Post-operative course unremarkable. No sharp rise in creatinine in last week from ~200.  
No evidence of plant rejection? Histology was essentially benign.  
Adequate urine output.  
Sep 2005 showed good renal perfusion and flow rates.

### James Lester Hypertension

Aortogram, ECHO, CT, ECGs, X-ray, automatic and manual blood pressure.

**28 videos:** 16 patient, 9 consultant, 2 procedural, 1 nurse.

### Jenny Lincoln Pregnancy and childbirth

**27 videos:** 11 patient, 3 other patients, 12 midwife, 1 examination.

### Joe Hunter Cirrhosis and hepatitis C

Ultrasound, letters, urine dip, venipuncture, abdominal exam.

**36 videos:** 17 patient, 14 consultant, 5 nurse.

### John Wise Atrial fibrillation

ECG, letter.

**14 videos:** 11 patient, 3 consultant.

### Liam McFadden Fever

**11 videos:** 4 patient with mother, 2 consultant, 5 nurse.

### Mary Montgomery COPD

X-rays, CT scans, respiratory reports, lung function testing, breath sounds, inhaler use, peak flow meters.

**21 videos:** 8 patient, 1 husband, 1 consultant, 9 nurse, 2 procedural.

### Max Chaves Pulmonary fibrosis

X-rays, ECG, spirometry reports.

**30 videos:** 18 patient, 5 wife, 7 consultant.

### Mike Miller Myocardial infarction

ECGs, angiograms, letter, ambulance report.

**20 videos:** 5 patient, 3 partner, 2 consultant, 3 procedural, 7 nurse/dietician.

### Nick Blair Guillain-Barré syndrome

MRI, nerve conduction studies.

**30 videos:** 15 patient, 2 daughter, 1 consultant, 1 procedural, 5 nurse, 6 rehabilitation-related.

### Penny Parker von Willebrands

Letters.

**18 videos:** 15 patient, 3 consultant.

### Pete Winslow Peripheral neuropathy

Nerve conduction testing and report, letters.

**17 videos:** 10 patient, 6 examinations, 1 consultant.

### Rachel Pearson Myasthenia gravis

Neurophysiology reports, letters.

**19 videos:** 18 patient, 1 consultant.

### Sam Dixon Peripheral vascular disease and claudication

Letters, dopplers, vascular studies, X-ray, vascular investigations, interpreting vascular reports, and podiatry assessment.

**15 videos:** 6 patient, 2 consultant, 3 procedural, 4 nurse.

### Sarah King Urodynamic stress incontinence

Letters, demonstrating the pelvic floor.

**22 videos:** 12 patient, 6 consultant, 1 nurse, 2 physiotherapist, 1 procedural.

### Thomas Alexander Aortic incompetence

X-ray, ECHO, ECG, angiography, letters.

**15 videos:** 12 patient, 3 consultant.

### Tim Scott Myocardial infarction

Angiogram, X-ray, ECG, ECHO procedure, angiogram procedure, cardioversion.

**8 videos:** 5 patient, 1 consultant, 2 procedural.

### Zac Thayer Asthma

Letters, peak flow and pulmonary function tests, bone density scans and allergy prick test.

**45 videos:** 12 patient, 15 parents, 12 consultant, 6 nurse.

## Privacy and consent

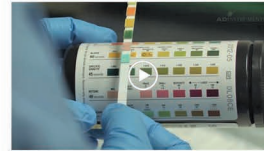
All of our patients have provided written, informed consent for their medical story to be used to support health professional learning. Because these are real people, we have given each patient and their family members pseudonyms to protect their identities. Our patients have all viewed and approved the content to be used to develop learning resources. This gives you the freedom to use these detailed real-life resources to create and customise comprehensive medical cases suited to your teaching process.

## Medical records – CT scans

### Mrs Montgomery's CT lung scans



### Healthy adult woman's CT lung scans



### Urine Dip (Urinalysis)

Nurse Bernie Don gives tips on how to best conduct urinalysis with a "urine dip" test.



TESTS AND READING TIME	LEUCOCYTES	PROTEIN	UROBILINOGEN	BILIRUBIN	BILIRUBIN GENES	GLUCOSE	KETONE	BILIRUBIN
2 minutes	60 seconds	60 seconds	60 seconds	60 seconds	60 seconds	45 seconds	40 seconds	30 seconds

### Dr Ashmore's family history

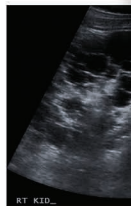


Dr Ashmore discusses the prevalence of kidney failure in his family.

Dr Ashmore had an echocardiogram (ECHO) performed and the results of this are shown t



Dr Ashmore's left kidney ECHO.



Dr Ashmore's right kidney ECHO.



## How can Lt help?

### Educators

#### Authoring and customization

Easily edit, share and update our content or create your own in real-time, wherever and whenever you need. Drag-and-drop a range of content types including video, audio, images, quizzes, and text directly into your lessons.

#### Collaborative

Share content and workload with your fellow educators and teaching assistants. Set varying levels of access to allow others to review content, add content, or publish revisions online.

#### Flexible grading

Automatically grade quizzes while keeping the flexibility to add feedback and positive reinforcement, and manually grade written assessments.



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### Students

#### Learn anywhere, anytime

Lt's cloud-based platform means students can learn on almost any device that connects to the internet. Whether they use iOS or Android, tablet, mobile, or laptop, lessons will be resized and optimised to look great.

#### PowerLab and Lt Sensor integration

In the lab, students can record and view their own physiological signals live on screen with PowerLab or Lt Sensors. Sampling panels in Lt can record Pulse, ECG, Respiratory Rate, Blood Pressure, and more.

#### Learn from real patients

For future health professionals, our patient cases allow students to follow a real patient from initial presentation to diagnosis and management. Expert health-care professionals provide their views throughout the journey and students can practice note-taking and reflection.

### Administration

#### Simple setup

Lt needs only an internet browser to allow course administration, authoring, and publishing. Our data acquisition app, used for sampling, installs in 30 seconds.

#### Analytics

Our analytics allow you to view class progress in each lesson and section in your course, and provide valuable insights about where and how students are interacting with course material.

#### Secure and scalable

Totally secure, Lt is hosted on Amazon Web Service's encrypted servers with guaranteed 99% uptime and the ability to maintain speed as more students login to Lt.

#### Future-proof

Lt is automatically updated with new features by our team of engineers, developers, and education specialists.

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