



**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.

"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



Improved efficiency



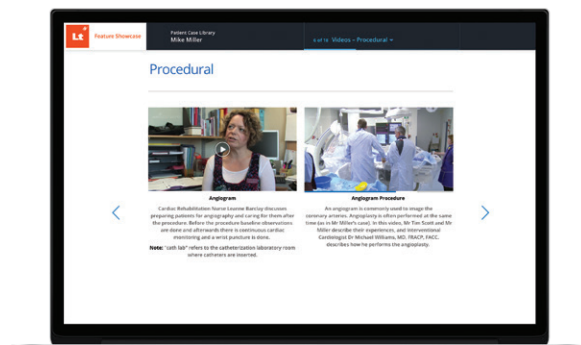
Increased student engagement



Improved results in theory and clinical practice



Increased student pass rates

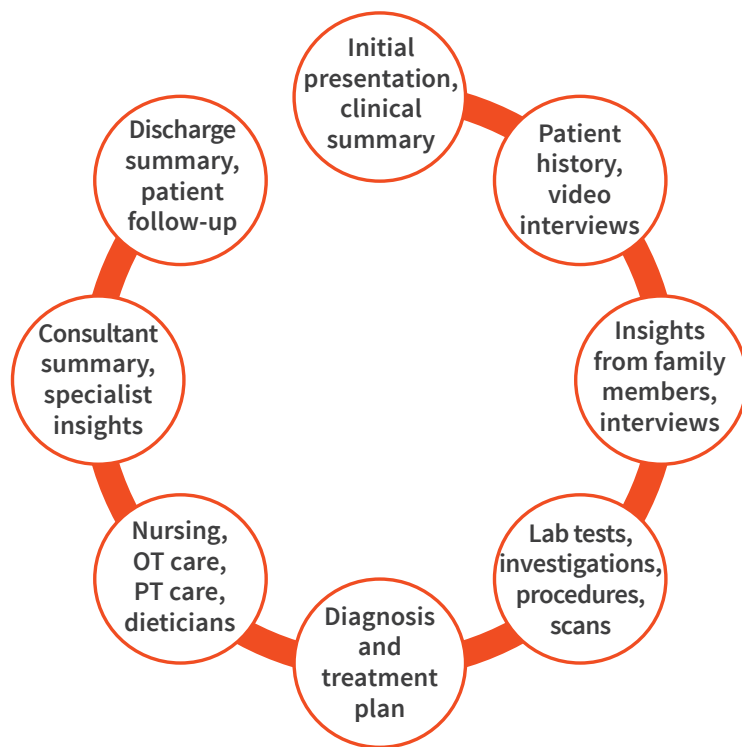


What's in a Patient Pack?

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
- Video of clinical examinations and medical procedures, including subtitles and captions
- Lab test results: SI and non-SI units
- Specialized investigations such as chest X-rays, ECGs, MRI, and CT scans
- A discharge summary
- Suggested teaching topics

Typical patient journey



Patient Case Library Collection

31 REAL PATIENT CASE STUDIES

Alfred Ashmore

PKD and renal transplant

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

Videos: 14 patient, 4 consultant, 5 dialysis nurse specialist, 3 procedural

Emma Smith

Granulomatosis

Histology, letters

Videos: 17 patient, 8 consultant

Penny Parker

Von Willebrands disease

Letters

Videos: 15 patient, 3 consultant

Angela Williams

Menorrhagia

Letters

Videos: 13 patient, 7 consultant

Sarah King

Incontinence

Letters, demonstrating the pelvic floor

Videos: 12 patient, 6 consultant, 1 nurse, 2 physiotherapist, 1 procedural

Jenny Lincoln

Pregnancy and childbirth

Videos: 11 patient, 3 other patients, 12 midwife, 1 examination

Ben Wolfe

Type 2 diabetes and complications

X-rays, letters, podiatry assessment

Videos: 18 patient, 1 follow-up, 2 consultant, 4 podiatry

Carol Campbell

Type 1 diabetes

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

Videos: 14 patient, 6 consultant, 2 procedural, 1 husband, 4 nurse, 5 dietician

Chris Rawlins

Type 1 Diabetes

Letters, measuring blood glucose, urine dip

Videos: 17 patient, 6 wife, 3 consultant, 2 procedural, 4 nurse, 5 dietician

Betty Flannery

Left ventricular failure

X-ray, ECG, letters, ECHO report

Videos: 9 patient, 2 consultant

Charlie Park

Coronary artery disease

ECGs, exercise test report, angiograms, letter

Videos: 3 patient, 3 consultant

David Marks

Myocardial infarction

Angiogram, X-ray, ECG, letter

Videos: 6 patient, 1 consultant

James Hinton

Aortic stenosis

ECGs, X-rays, ECHOs, angiograms, letters

Videos: 6 patient, 3 consultant, 1 nurse, 4 procedural

James Lester

Hypertension

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

Videos: 16 patient, 9 consultant, 2 procedural, 1 nurse

John Wise

Atrial fibrillation

ECG, letter

Videos: 11 patient, 3 consultant

Mike Miller

Myocardial infarction and coronary artery disease

ECGs, angiograms, letter, ambulance report

Videos: 5 patient, 3 partner, 2 consultant, 3 procedural, 7 nurse/dietician

Sam Dixon

Peripheral vascular disease, claudication

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

Videos: 6 patient, 2 consultant, 3 procedural, 4 nurse

Thomas Alexander

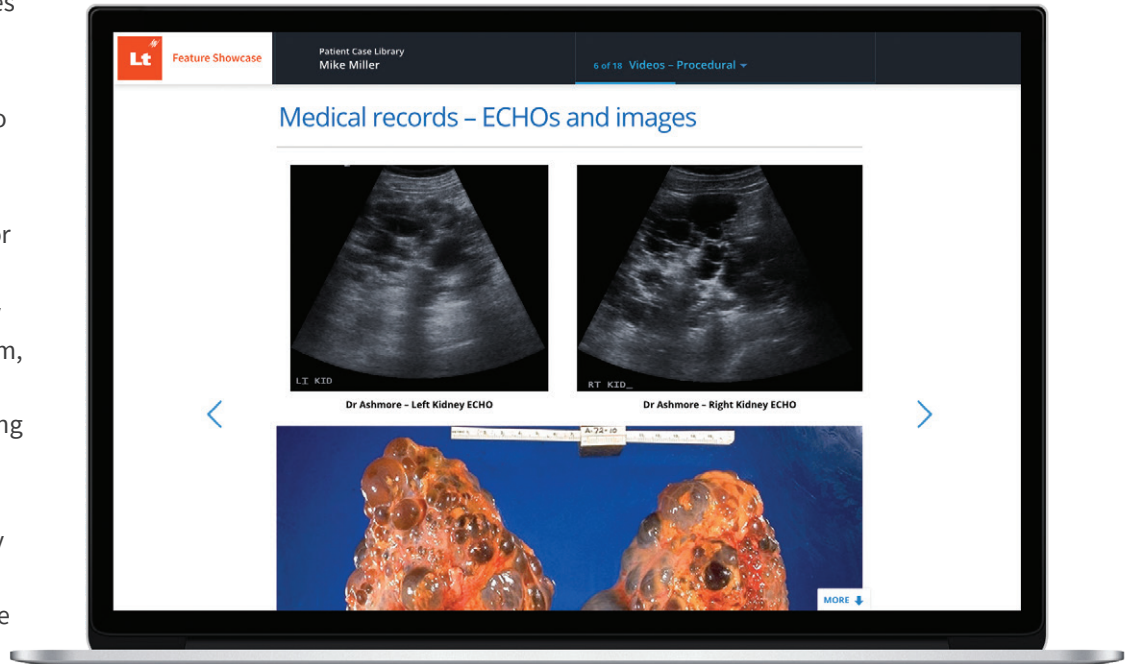
Aortic incompetence

X-ray, ECHO, ECG, angiography, letters

Videos: 12 patient, 3 consultant

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



Tim Scott

Myocardial infarction

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

Videos: 5 patient, 1 consultant, 2 procedural

Frank Foster

Becker muscular dystrophy

Neurological examination, letters, ECHO, lung function tests

Videos: 19 patient, 4 consultant

Gwen Simms

Osteoarthritis

X-ray, letters, limb examination

Videos: 6 patient, 2 examinations, 3 consultant

Harry Barker

Wegener's granulomatosis

Letters, spirometry, X-rays, biopsy reports

Videos: 20 patient, 3 consultant

Joe Hunter

Liver cirrhosis

Ultrasound, letters, urine dip, venipuncture, abdominal exam

Videos: 17 patient, 14 consultant, 5 nurse

Liam McFadden

Fever

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

Videos: 8 patient, 1 husband, 1 consultant, 9 nurse, 2 procedural

Max Chaves

Pulmonary fibrosis

X-rays, ECG, spirometry reports

Videos: 18 patient, 5 wife, 7 consultant

Zac Thayer

Childhood asthma

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

Videos: 12 patient, 15 parents, 12 consultant, 6 nurse

Barry West

Stroke

CT, MRI, letters

Videos: 1 patient, 5 wife, 3 follow-up, 2 consultant, 6 rehabilitation specialist

Nick Blair

Guillain-Barré syndrome

MRI, nerve conduction studies

Videos: 15 patient, 2 daughter, 1 consultant, 1 procedural, 5 nurse, 6 rehabilitation-related

Pete Winslow

Peripheral neuropathy

Nerve conduction testing and report, letters

Videos: 10 patient, 6 examinations, 1 consultant

Rachael Pearson

Myasthenia gravis

Neurophysiology reports, letters

Videos: 18 patient, 1 consultant

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 customize comprehensive medical cases suited to your teaching process.

Nick Blair



Mr Blair was first interviewed in 2012.

Nick Blair is a 63-year-old man with **Guillain-Barré syndrome**. He is married, and helps his daughter and son-in-law on their farm. After three days of diarrhoea, Mr Blair began to feel weak. This weakness began in his hands and knees and progressed to profound weakness in all four limbs. He had minimal response to treatment, but he is gradually regaining strength.

While helping on his family's farm that has a poultry run, Mr Blair developed diarrhoea. After 3 days, he began to feel weak and fatigued and noticed cramping in his hands. Following this, his hands felt weak, and he was unable to grasp objects. His weakness progressed to his feet and legs; he kept losing his balance while walking. He also suffered from urinary incontinence; however, he had no respiratory problems.

He was taken to hospital following a fall, which occurred as a result of the muscle weakness.

During his first few weeks in hospital, Mr Blair's condition deteriorated. He went from being able to move his arms and legs, to not being able to move them at all (i.e. **flaccid paralysis**). After this initial decline, he very slowly regained some movement and after five weeks was able to lift his left hand to touch his nose.



In hospital, the physical examination showed decreased tone and strength of both upper and lower limbs. Reflexes

Clinical Neurophysiology Report

Date: 18 Mar 2010 Age: 63.9
ID: XKUT456 Height:
Doctor: Wright Arm length: 92.0
DOB: 26 Apr 1946

PERIPHERAL NERVE ASSESSMENT

Left Median Motor thenar recording

	SD		Lat	Amp	Area	Dur	Distance
Distal motor latency	5.3	6.5	WR	5.30	6.80	26.20	7.15
Distal amplitude (mV)	6.8	-0.6	ELB	12.90	2.40	12.20	9.25
Distal area	26.2	0.0	PROX				
Distal duration	7.2	1.0					
CV elbow-wrist	37	-4.5					
Dispersion	129%	2.7					
Amp attenuation	65%	10.9					
Area attenuation	53%	8.9					

Marked delay

Moderate slowing

Severe increase

Marked increase

F Waves

SD

Fmin	abs	Lat: wr-sp-wr
Fmax		Lat: elb-sp-elb

Pers > 30%

Left Median Sensory digit III – wrist

	SD		Los	Lpk	Amp o/p	Amp pp	Distance
CV onset	41	-3.7	2.90	3.45	8.00	17.60	12.00
CV peak	35	-4.3					
Amplitude (µV)	17.6	-0.9					
Duration	0.55	0.3					

Mild slowing

Moderate slowing

How can Lt help?

Educators

Easy lesson authoring

Building media-rich lessons is simple. Drag-and-drop a range of content types to create interactive exercises, including multiple choice questions, short form written answers and image annotation.

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.

Onboarding

Our Instructional Design team can convert and edit your existing content and lessons to make them even better in Lt.

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 across 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

Students

Learn anywhere

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 optimized to look great.

PowerLab integration

In the lab, students can record and view their own physiological signals live on screen with PowerLab and sampling panels in Lt that can record Pulse, Spirometry, ECG, 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 healthcare professionals provide their views throughout the journey and students can practice note-taking and reflection.

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.

Getting started with Lt

Custom training and specialist support

Whether you need help with Lab installation and setup; IT training; Lt training or specialized support, we can get you up and running even faster with an add-on package of training and support services.

Visit our website adinstruments.com/education or contact your local ADInstruments representative for more information

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