CREATE
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Lt for Nursing

Taking Nursing Education beyond the classroom

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

Designed specifically for nursing and healthcare courses, Lt delivers two comprehensive collections of lessons: the Immersive Nursing Collection and the Clinical Skills Collection.

These collections bridge the gap between theory and practice by interweaving real patient case studies and background information with practical exercises.

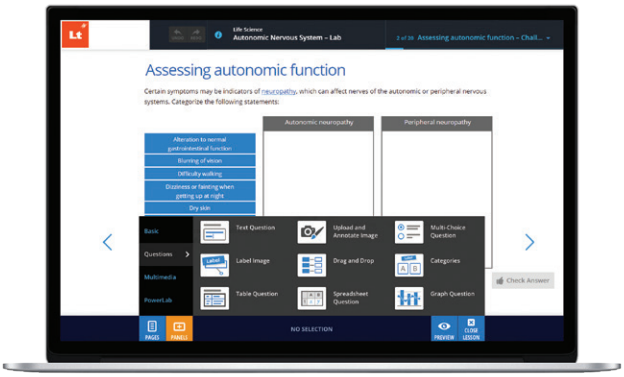
Each immersive nursing module focuses on a real patient to build the student's understanding of normal physiology, pathophysiology and their role in patient healthcare. These modules are complemented by the clinical skills collection which focuses on core nursing skills and applying these in scenarios.

The collections include engaging exercises, video interviews, audio bites, animations, images, quizzes and other interactive content, providing the perfect complement to simulation.

"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



TRY Lt FOR FREE

Sign up for a free trial to experience Lt

adinstruments.com/try-lt

ADINSTRUMENTS

Clinical Skills Collection

18 MODULE COLLECTION | **3** LESSONS PER MODULE | **3** LEARNING HOURS* PER MODULE *Approx.

Lessons types include: Case study • Preparation • Practice • Quiz

Designed to develop your student's practical nursing abilities and communication skills.

Assessment Tools
Early warning score (EWS) systems; Genograms and ecomaps; COLDSPA demonstration.

Clinical Measurements I
Measuring height, weight, blood glucose level; Testing urine samples.

Clinical Measurements II
Neurological examinations and "neuro obs"; Cranial nerve function, reflexes, motor function, sensory function, loss of consciousness; GCS score calculations.

Fluid and Nutrition
Nutritional assessments; Fluid balance assessment and documentation.

Health History and General Survey
Therapeutic communication interview techniques; Subjective vs objective data; Informed consent; Health history and general survey methods.

Health Literacy
Health literacy; Consequences of poor health literacy; Assessing health literacy.

Health Promotion and Community Nursing
Health promotion and community assessment; Primary health care; Differing concepts of family; Foot, or windshield, survey.

Hygiene and Personal Care
Importance of personal hygiene; Techniques for assisting patients.

Medication Administration I
Preparing and administering medications; The "three checks" and "five rights" of medication administration; Administering liquid medication; Dosage calculation.

Medication Administration II
Calculating dosages; Preparing and administering injectable medications via subcutaneous and intramuscular routes.

Oxygen Therapy
Physiology of respiration; Respiratory assessments; Oxygen delivery devices and associated precautions; Administering oxygen therapy.

Peripheral Assessment
Peripheral assessments of the arms, legs, diabetic feet; Documenting; Relation to peripheral vascular disease, and arterial and venous insufficiency.

Promoting Comfort
Importance of sleep and rest; Changing linens of an unoccupied bed; Comfort intervention methods; Documenting interventions.

Safety
Importance of safety in nursing; Needlestick safety, Infection control and falls prevention; Hand hygiene and personal protective equipment (PPE).

Sterile Fields
Principles of infection, asepsis, and aseptic technique; Healthcare-associated infections and prevention; Sterile field methodology.

Supporting Elimination
Assessing elimination; Promoting bowel health; Assisting with elimination and standard precautions; Patient safety and dignity.

Therapeutic Communication
Communication methods; Establishing therapeutic relationships; Informed consent; Professional communication.

Vital signs
Physiology of heart rate, respiration rate, blood pressure, and temperature; Measuring and documenting vital signs.

"Authoring in Lt is so easy and intuitive - it's only limited by your imagination"

– **Tony Wales,** Lecturer, Nursing, University of the West of Scotland

Patient Case Library

31 PATIENT PACKS OF REAL PATIENT CASES

Educators teaching in pre-health or health professional courses gain instant access to our Patient Case Library. The Library consists of **31 patient packs**, each containing resources based around a **real patient's experience** that can be easily copied to lessons you are creating without the need or cost of creating your own.

A Typical Patient Pack Includes:

- Initial presentation, patient history, and clinical summary
- Detailed video interviews with a real patient, family, and health care professionals
- Specialised investigations such as chest X-rays, ECGs, MRI, and CT scans
- Laboratory tests, investigations and results, diagnosis, and treatment plan
- Footage of key medical procedures
- Discharge, consultant summary, and patient follow-up
- Suggested teaching topics

Immersive Nursing Collection

14 MODULE COLLECTION | **5** LESSONS PER MODULE | **6** LEARNING HOURS* PER MODULE *Approx.

Lessons types include: Case study • Patient Education • Evaluation • Laboratory • Scenario

Uses real patient case studies to build learners' understanding of normal physiology and pathophysiology, and apply that to a patient's condition.

Autonomic dysfunction
The autonomic complications of Ben's Type 2 diabetes.
- **Autonomic Nervous System Lab**

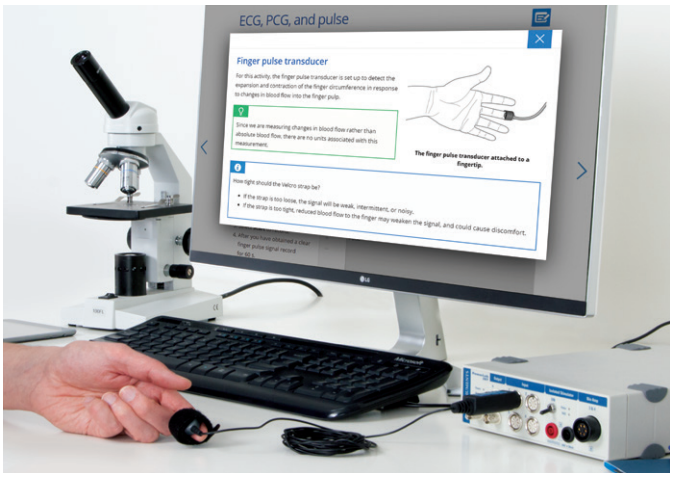
Childbirth
Jenny's experience of childbirth and a midwife's guidance.

Claudication
Sam's worsening peripheral vascular disease.
- **Heart and Peripheral Circulation Lab**

COPD
Mary and her husband's struggle with COPD. Includes discussion of advanced care planning.
- **Lung Volumes Lab**

Diabetes
How Type 1 diabetes affects Carol's life.
- **Glucose Absorption Lab**

Febrile child
A mother's care for her febrile child, Liam.
- **Body Temperature Lab**



Heart failure
Tama's experience of dilated cardiomyopathy and his wait for a heart transplant.
- **Heart Sounds Lab**

Hypertension
The challenges of treating James' persistent hypertension.
- **Blood Pressure Lab**

Muscle
The progression and management of Frank's Becker muscular dystrophy. Includes discussion of falls risk assessment.
- **Skeletal Muscle Function Lab**

Myasthenia gravis
The diagnosis and treatment of Rachel's myasthenia gravis.
- **Muscle and EMG Lab**

Myocardial infarction
Mike's coronary artery disease leads to a myocardial infarction.
- **Heart and ECG Lab**

Pregnancy
Jenny and her husband's experience with pregnancy.

Renal failure
Alfred's experience of dialysis and kidney transplant following PKD.
- **Kidney and Urine Lab**

Stroke
Barry and his wife's rehabilitation journey following a stroke. Includes activity on Glasgow coma score.
- **Brain Structure and Reflexes Lab**

Education Kits for Nursing and Health Science

Created with focus and flexibility in mind, our Education Kits give you all the hardware you need for your teaching labs, in simple, modular packages.

Designed to align with Lt lessons and content, you can quickly and easily include engaging experiments for teaching health science topics including Human Physiology, Respiration, and Skin Temperature. Simply select the Education Kit/s you need, add a PowerLab (purchased separately), and you're ready to teach.

PowerLab 26T

The **PowerLab 26T** features a dual Bio Amp, an isolated stimulator, trigger input, 4 analogue inputs, 8 digital inputs and 8 digital outputs. With a maximum 100 kS/s sample rate and >95 dB CMRR, the 26T is used in a wide range of research applications.

PTK30
Human Physiology Kit

Suitable for investigating and recording a number of physiology laboratory lessons on human subjects. Capable of performing experiments including but not limited to ventilation rate, grip force, blood pressure, heart sounds, reaction timing, and reflexes requiring mechanical stimulation.

Recommended:
Lt: Medicine, Nursing
Lt, **Lt LabStation**: Human Physiology
PowerLab 26T or 15T

Kit contains:
- Respiratory Belt Transducer
- Grip Force Transducer (DIN)
- Cardio Microphone
- Sphygmomanometer with 3 Cuffs
- Push Button Switch
- Dry Earth Strap
- DIN 8 Plug to BNC Cable
- Tendon Hammer

PTK10
Human Respiratory Kit

Suitable for performing respiratory experiments on human subjects. Capable of recording inhalation and exhalation parameters such as minute ventilation and tidal volume, as well as PIF, PEF, FVC and FEV1.

Recommended:
Lt: Medicine, Nursing
Lt, **Lt LabStation**: Human Physiology
PowerLab 26T or 15T

Kit contains:
- Spirometer Pod
- Respiratory Flow Head
- Flow Head Adapter
- Disposable Respiratory Kit (5)
- Clean Bore Tubing

PTK31
Skin Temperature Kit

Suitable for recording continuous skin temperature on human subjects for biological measurements of temperature in the range of 0°C to 50°C.

Recommended:
Lt: Medicine, Nursing
Lt, **Lt LabStation**: Human Physiology
PowerLab 26T or 15T

Kit contains:
- Thermistor Pod
- Skin Temperature Probe

"We are turning out more advanced and confident nursing practitioners with Lt."

- **Colette Wright,** Clinical Skills Lecturer, Otago Polytechnic, New Zealand

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

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