ADAPTIVE LEARNING

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Acknowledgment: All the case examples were taken from individual teachers from UNSW, Smart Sparrow and BestNetwork with permission.

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WHAT IS ADAPTIVE LEARNING?

ABOUT ADAPTIVE LEARNING, ...

- Adaptive learning is a type of customized learning process?
- Adaptive learning is only possible with e-learning technology?
- Adaptive learning is where learners moving through certain learning paths based on their actions within the course?
- Adaptive learning uses assessment to organize the materials?
- Learners are the major users of adaptive learning?

EXAMPLES:

- STEM readiness test
- Nursing Providing contents
- Lab virtual practice
- Medicine case study

Example 1: Medicine – Readiness assessment (MCQ)

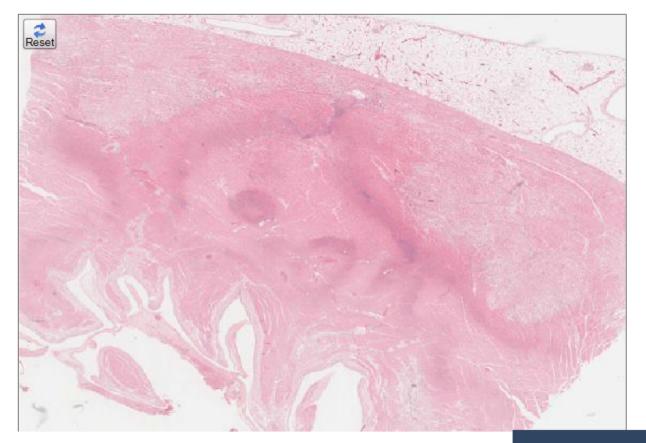


Question

The man from whom this tissue was obtained at autopsy died within the first week following an acute myocardial infarction.

All of the following complications are likely causes of death in this case, **EXCEPT**:

- Ventricular fibrillation
- Cardiac rupture
- Massive pulmonary embolism
- Cardiogenic shock
- Fibrinous pericarditis



Check

Histopathology - answer

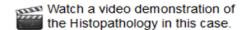
The region of **pericardial adipose tissue**, **vessels and nerves** is highlighted in **green**.

The region of **fibrinous pericarditis** is highlighted in **red**.

The zone of early **granulation tissue**, growing in from the **epicardial surface** is highlighted in **blue**.

The zone of **myocardial necrosis** and inflammation is highlighted in aqua.

The region of **mural thrombus** is highlighted in yellow.



All three layers of the heart are present in this section, with the pericardium at the top and the endocardium at the bottom. Fibrinous pericarditis is evident in the region highlighted in red. This is a response to necrosis of the underlying myocardium.

There is a pale zone of myocardium highlighted in blue, where new blood vessels and fibroblasts have grown in from the pericardial surface to form very early granulation tissue.

A mural thrombus is adherent to the endocardial surface.

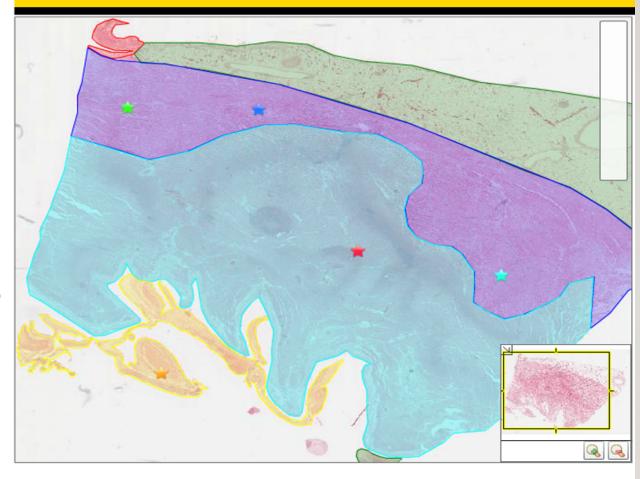
Please click 'Next' to continue.





















Example: Nursing – contents, embedded video, questions after video

Nursing - Ethics and Health Law

Force Adaptivity Lily Zeng (Score: 10)



Patient Rights





Australian Health Ministers endorsed the charter as the **Australian Charter of Healthcare Rights** for use across the country in 2008.

The Charter applies to all health settings across Australia, including public & private hospitals, general practice and other community environments.

It allows patients, consumers, families, carers and service providers to have a common understanding of the **rights of people receiving health care.**

Of the below list, what best describes examples of patient rights?

- Right to healthcare, dignity and must follow the medical advice given
- Right to respect, privacy and compliance with expert medical treatment
- Right to be included in decisions about own healthcare and have concerns addressed

EXAMPLE: NURSING – CONTENTS, EMBEDDED VIDEO, QUESTIONS AFTER VIDEO

Nursing - Ethics and Health Law Lily Zeng (Score : 20) **Ethics in Health Care** DEST NETWORK Within healthcare, what do you think is meant by the term ethics? Enter Answer: What do you think morals are? Enter Answer: Next

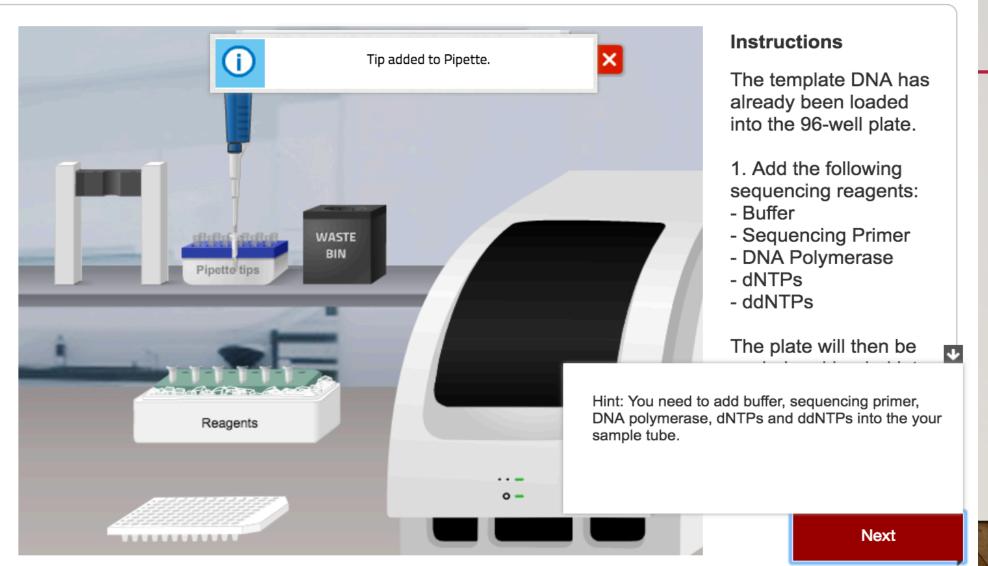
EVALUETE ATIVIOUS FUNCTION IN DIVI

LAB.

SNP Virtual Lab.

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EXAMPLE: **MEDICINE** – CASE STUDY - INSTRUCTIONS

Leukaemia Module

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Haematology Case Studies

You have two options to start using this module - either:

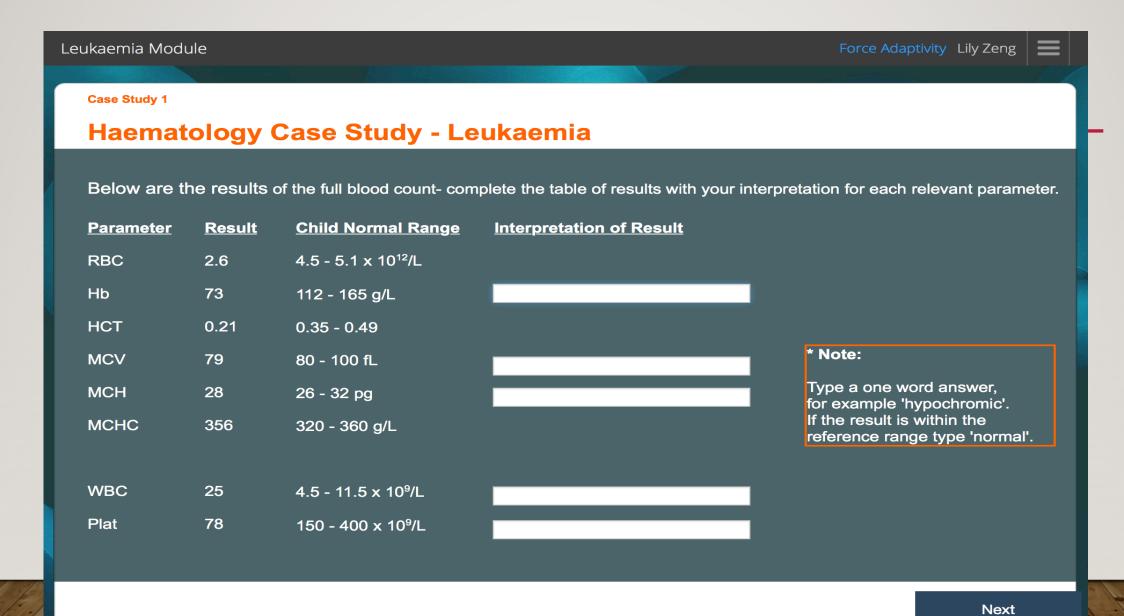
Start the case study straight away OR

Review relevant learning material first before attempting to complete the case studies questions.

Make your selection below then click on Go.

- Go to Review Material Leukaemia
- Go to Case Study 1 'Liam'
- Go to Case Study 2 'Patricia'
- Go to Case Study 3 'Skye'

EXAMPLE: MEDICINE - CASE STUDY, CASE 1



DIAGNOSIS EXERCISES

- Solution Trace Graph
- Analytics of students' response
- Question explorer