





E -management of Critically Sick General Surgical Patients

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Management of critically sick, general surgical patients can be challenging. Doctors must assess the patient in a timely manner to decide on the most likely diagnosis to offer them prompt treatment to save lives.

Initial choice of treatment can be crucial in the management of critically ill patients.

There are a wide range of investigations available to help doctors reach the correct diagnosis, however there are pros and cons and risks with each test offered and it can be difficult to decide on which investigation is the best one for your patient at that time.

Method

Exposure to the variety of emergency surgical conditions during General Surgical attachment of medical student is unpredictable and may be limited depending on the case mix availability.

The project objective was to produce an interactive learning platform to allow students to manage a critically sick e-patient to enhance student's deeper learning and promote higher order learning.

Three important classical emergency surgical scenarios: acutely painful leg, acute abdominal pain and gastrointestinal bleed were chosen. The interactive micromodules have been developed and accessed by final year medical students via CU Blackboard, to allow students to access this 24/7.

Role of imaging in Acute Pancreatitis

Recap of Diagnostic criteria for Acute Pancreatitis ***

 Contrast-enhanced computed tomography (CECT) and/or magnetic resonance imaging (MRI) of the pancreas should be reserved for patients in whom the diagnosis is unclear or who fail to improve clinically within the first 48-72 h after hospital admission (strong recommendation, low quality of evidence).

 Transabdominal ultrasound should be performed in all patients with AP (strong recommendation, low quality of evidence).

• CT scan should be considered for patients with acute abdomen when diagnosis of the underlying cause is uncertain.

American College of Gastroenterology Guideline: enner, MD, MPH, FACG, John Baillie, MB, ChB, FRCP, FACG, John DeWitt, MD, FACG and Santhi Swaroop Vege, MD, FACG

Summary

Relevant clinical images and video are imbedded into the micro-modules to improve medical students' understanding of different special investigations available.









Case Study One Epigastric Pain

香港中文大學醫學院 Faculty of Medicine

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Formative assessment on both case diagnosis and management plan are used in each case to test student's decision making.

Informative feedback provided for each choices of decision are welcomed by the students.



E-management of critical sick general surgical patient allows students to learn important elements of managing critically sick surgical patients but also allows them to appreciate the consequence of their decision without harming real patients.

港中文大學醫學院 aculty of Medicine **Case Study Two Painful Leg**

Department of Surgery .**** Faculty of Medicine, The Chinese University of Hong Kong



Procedure videos: such as

Endoscopic retrograde

cholangiopancreatography

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Case Study Three Peri-rectal Bleeding



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Short narrated operative videos

Imagining: such as **Magnetic resonance** cholangiopancreatography

> e Fogarty balloon by inflation a prior to its insertion

MMCDG funded project

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 - ITSC, CUHK
 - Office of Medical Education, Faculty of Medicine

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