

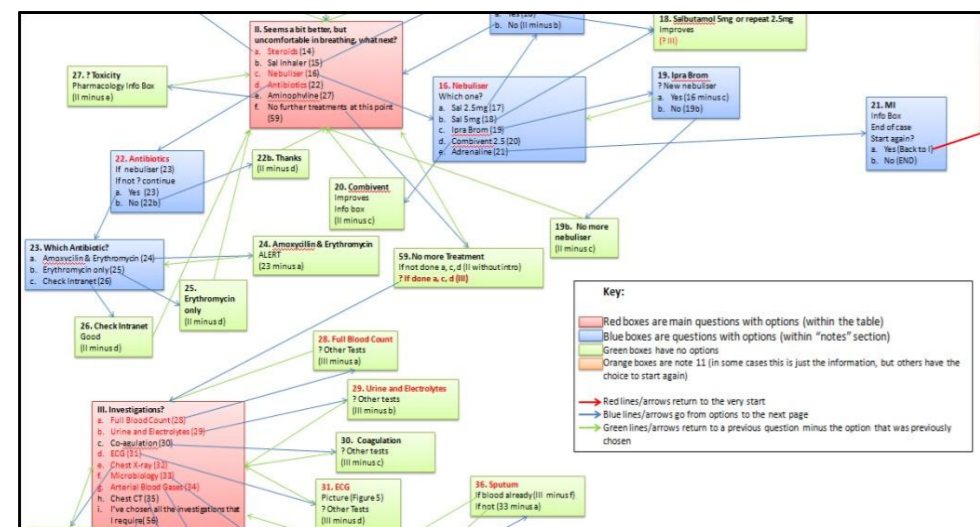
eFeedback: Enhancing Student Learning, A Multifaceted Approach

Fiona Curtis, Marina Sawdon & Andrew Chaytor, School of Medicine and Health, Durham University

Branching tutorials

Interactive Clinical Cases

Dr Marina Sawdon & Dr Fiona Curtis

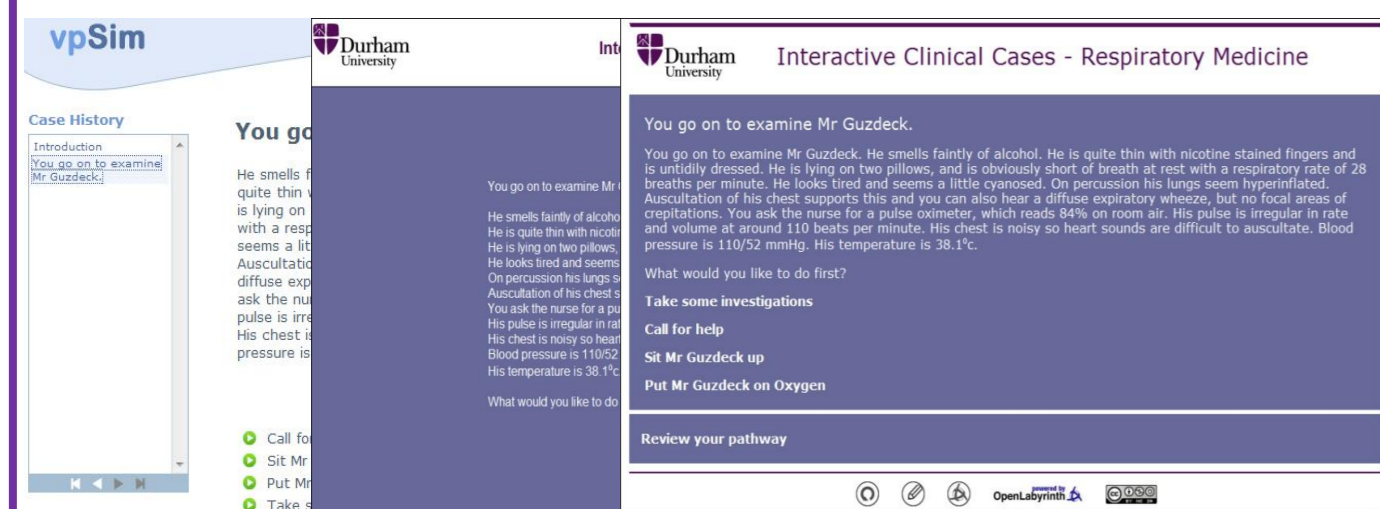


A section of the map of our branching tutorial

- Software include:
 - Quandary
 - OpenLabyrinth
 - vpSim
- Not simply for medicine – helps students apply their understanding to real life problems
- Tracking, scoring and compulsory pathways
- Can incorporate images, links and movies

Feedback:

- Specific contextualised feedback on every choice made
- Linked pages provide additional information



Audience Response Systems

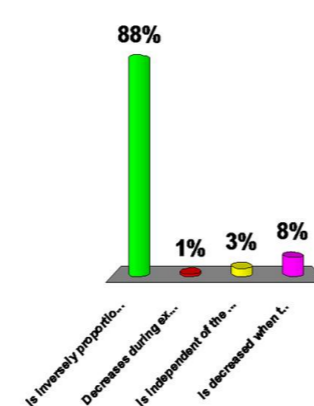
Turning Point KEEpads

Dr Marina Sawdon

The system

- Wireless communication between USB receiver and keypads
- Plug-in to MS PowerPoint – results display on screen
- Easy to use – the hardest bit is thinking of questions!

The work of breathing



Feedback:

Provide instant feedback for students:

"I found KEEpad questions useful to have instant feedback to see whether I had understood a concept or if it was a topic that I needed to give particular attention to."

"The KEEpad system was really useful in testing yourself and showing that you'd learnt something."

Advantages

- Anonymous voting increases participation
- Change of activity which improves concentration, breaks up didactic lectures
- Improve knowledge retention (Sawdon, M. 2009. Improving Knowledge Retention using KEEpad. Medical Education 43(5): 487-487.)
- Provide lecturer with feedback on student understanding:

"They are fun to use, give good immediate feedback, and gives the tutors an opportunity to revisit subjects that are not understood by the majority."

Wimba Create

Pharmacology and drug-dose calculation tutorials

Dr Andrew Chaytor

- MS Word plug-in which allows quick production of web content from word documents
- No web editing skills required
- SCORM compliant
 - compatible with Blackboard & Moodle
- Different question types
 - MCQ
 - Multi Response
 - Text Entry
 - Matching
 - Gap Fill
- Can incorporate images, links and movies
- Accessibility options

Feedback:

- Allows students to test their knowledge
- Customisable feedback for every answer
- Hints – to guide student thinking