



Engaging students: We can do better than standard lectures

Gary Velan and Rakesh Kumar

Never Stand Still

Medicine

Medical

Lectures: the problem

- The future of traditional lectures is in doubt
- Students are voting with their feet
- Lectures need to be more interactive, engaging and effective
- Blended learning approaches can promote engagement in both live and online lectures



Online Lectures – iSpring Suite

- Can be created using existing PowerPoint and lecture recording
- Built-in narration editor
- Wizard for creating embedded quizzes

Online Lectures – iSpring Suite

The screenshot displays the iSpring Narration Editor interface. The title bar reads "MENINGITIS_PATH3205_2015.ppt - iSpring Narration Editor". The top menu bar includes "Home" and "View". The ribbon contains several tool groups: "Save & Close" (Close), "Import Audio" (Import Video, Import Background Audio, Delete), "Clips" (Clip Volume Editing), "Timing" (Sync, Record Audio, Record Video), and "Preview" (Preview with animations). On the left, a "Slide Thumbnails" pane shows a list of slides from 12 to 19. The main workspace displays slide 12, titled "Quiz". The quiz content is as follows:

Quiz

Question 1 of 1 • Point Value: 10 | Total Points: 0 out of 10

Match the elements of a typical acute inflammatory response with the correct sequence of events (6 events in total - you will need to scroll down):

4th	Margination of leucocytes
5th	Increased vascular permeability
1st	Leucocyte adherence to endothelium
3rd	Emigration of neutrophils

Submit

Click the Quiz button to edit this quiz

Below the slide, a "Playback" control bar shows a play button, a progress indicator at 0:00:00, and a timeline. The timeline has two tracks: "Slides" and "Audio". The "Slides" track shows a sequence of slides: 10. Fibrinous exudate (m...), 12. Swelling and exudation, 13. Margination of PM..., 14. Emigrati..., and 15. C. The "Audio" track shows a waveform for "audio1.mp3". At the bottom, the status bar indicates "Current slide: 9 / 40", "Presentation duration: 0:40:42.29", and "100%".

Technology Enabled Interactions in Lectures

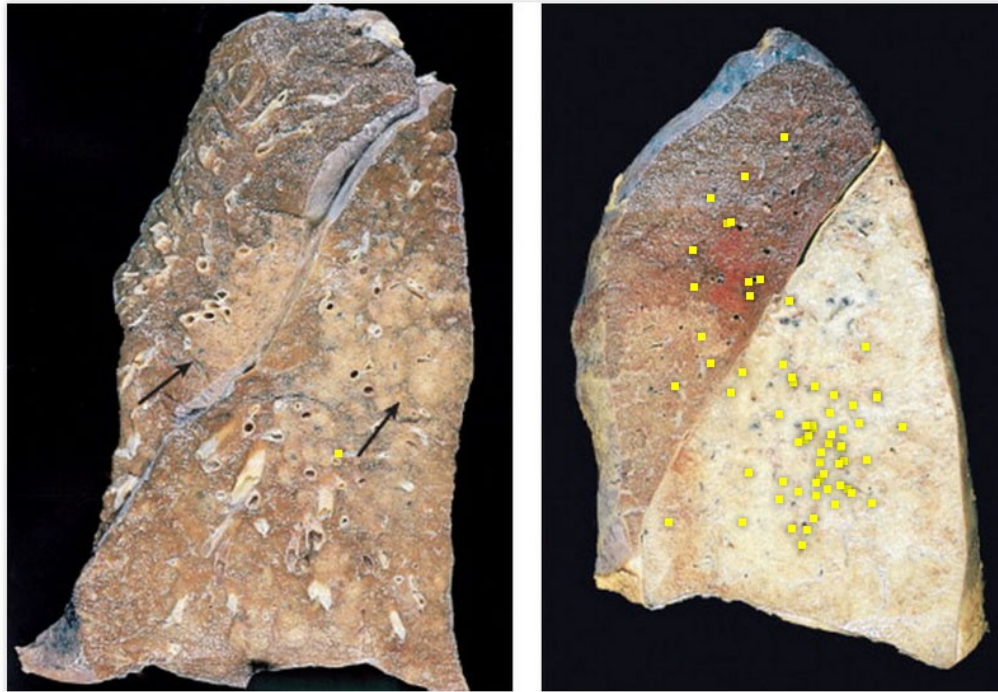
- Audience response systems (clickers)
 - Expensive
 - Cumbersome
 - Limited
- Online interactivity (e.g. Echo 360 Active Learning Platform)
 - Variety of question types, including image-based
 - Enables student-teacher interactions before, during and after class
 - Enables transformation of lectures for formative feedback and discussion



Echo 360 Active Learning Platform

Which macroscopic specimen shows lobar pneumonia?

RESULTS



66 / 270 submissions



Reset activity



UNSW
AUSTRALIA