

Digital Story Telling in Breast Imaging

Translating reality into best practice

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- To use story telling to teach best practice in mammography
- To meld the paradoxical elements of radiography- technical and psycho-social
- To engage students of varying experiences and genders

The story, the imagination, is respectable, even required

Alan Finkel, Chief Scientist of Australia, podcast ABC Big Ideas, Sept 2017

“Stories are our primary tools of learning and teaching”

Edward Miller, Founder of Edward Elementary.

- Who invented the sandwich?
- Our brains become more active when we are told stories.
- Power Point = activate language processing parts of the brain.
- Stories = any other part of the brain that we would use when *experiencing* the events of the story.
- We link the experience of others to our own experiences.
- A story can put the whole brain to work.
- Story telling = plants ideas, thoughts and emotions into the listeners' brain.



- *Leo Widrich (Business Coach – Buffer Co- Founder). Uri Hasson Psychologist Neuro Science Princeton*

“Stories are memory aids, instruction manuals and moral compasses.” Aleks Krotoski Business Coach.

- The format of a story has a profound impact on our learning.
- A story, if broken down is a connection between cause and effect.
- We want to relate a story to one of our existing experiences. Connection.
- Listeners relate to the same pain, fear, joy of the story.
- Therefore information is remembered.
- **“If you don’t feel it, you don’t remember it.”** Bob Dickman. Narrative Communicator Coach

- Blended Learning Using LMS Moodle platform
- Face to Face Lectures (optional for students) 2X2 hours
 - At beginning and end of material
- Moodle Books
 - 9 X 20 minute Videoed lectures -180 minutes
 - Storyline embedded within technical component- 23 minutes
 - Arranged sequentially
- Assessments
 - -three formative quizzes + final exam
 - MCQ; short answer; image interpretation

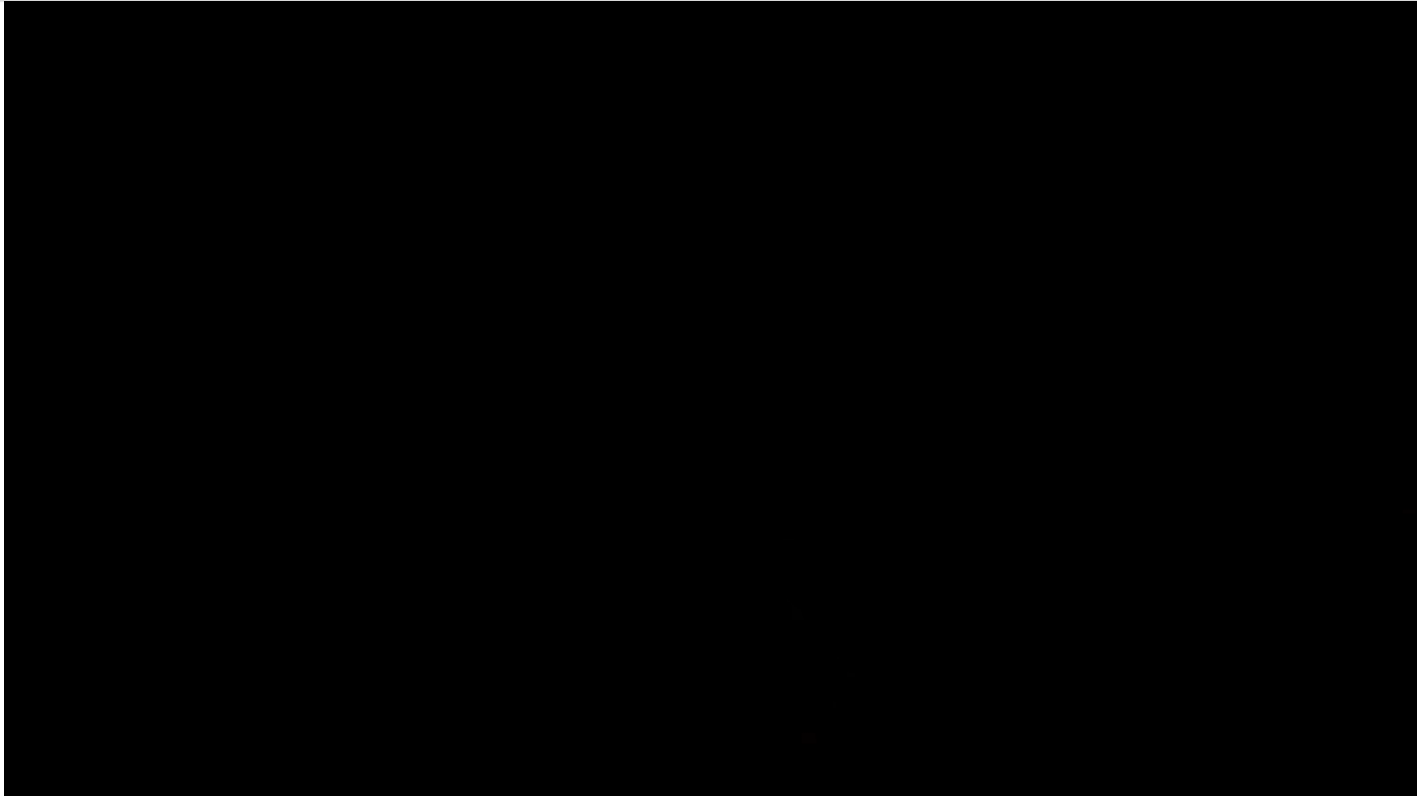


The Story of Breast Imaging

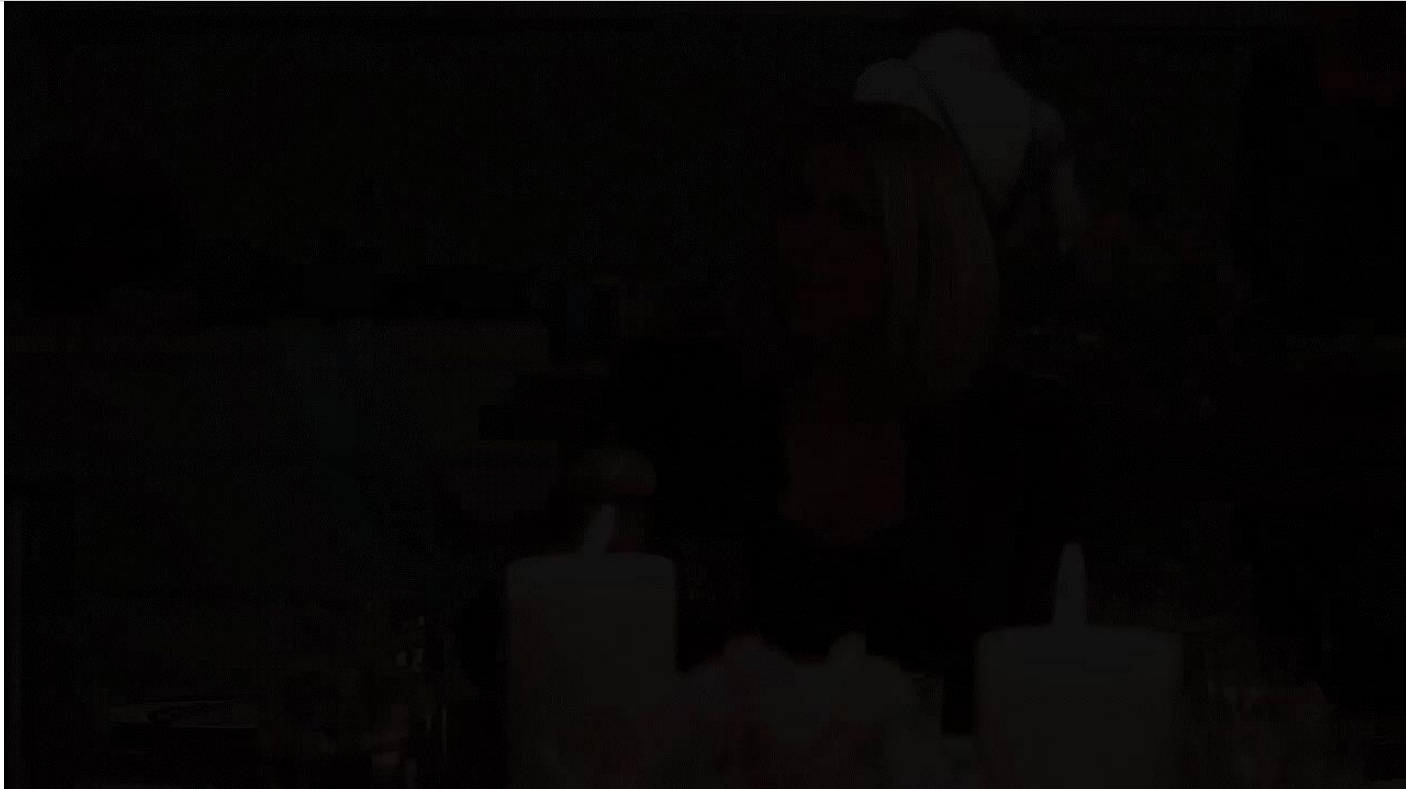
Emotive engagement: Setting the scene



Other real stories to complement story line



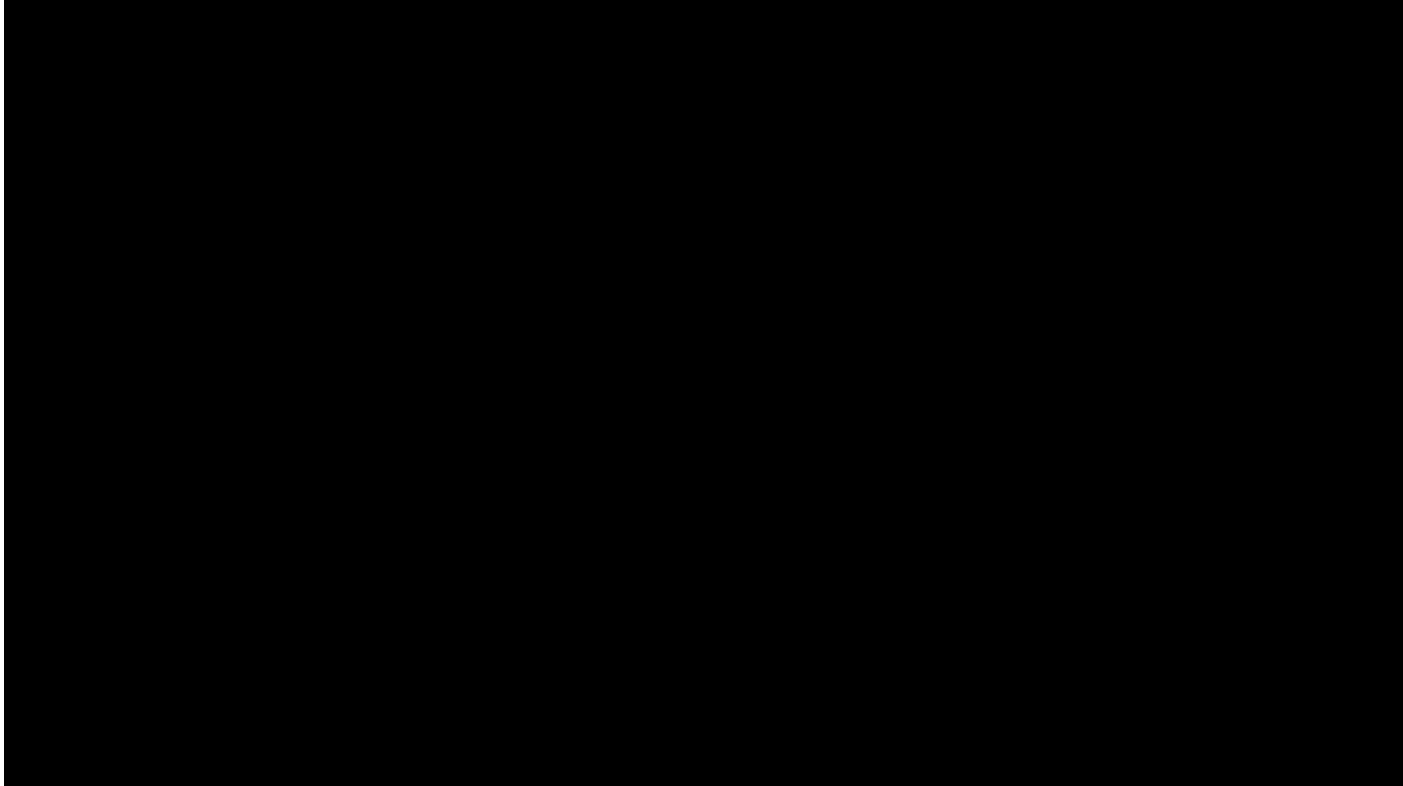
Combining story with technical requirements: Some examples of videoed lectures





**Breast Imaging:
The Ultrasound Examination**

Were Aims achieved? RESULTS



- *I wish all other radiography units were taught like this. Its very effective!*

Radiography student Sept 2017
- Consider expanding model to other courses and other disciplines
- *Reading fictional stories can make our brains more empathic"*
 - **Carnegie Mellon researchers**
- Formally investigate viability and impact
- *High quality video production is critical*
 - **Susan Bower, Producer**
- Incorporate high value production with high quality education

Thank you Questions?

References

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