Inspiring Competence and Confidence Using Video: A Case Study

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Autopsy rates are low nationwide, despite their value as an educational and diagnostic tool. In an effort to improve autopsy rates at Dartmouth-Hitchcock Medical Center (DHMC), the Center for Learning and Professional Development was asked to create training that would better prepare its residents to ask families for an autopsy. Utilizing a hybrid approach, residents were given the opportunity to increase their confidence and competence by completing an online module followed by an in-person practice session in the DHMC Simulation-Based Education and Research Center.

The online module provided support in several identified areas of need:
1. A lack of knowledge around the autopsy process
2. A lack of effective communication skills
3. A lack of effectively responding to questions and myths surrounding autopsies

The module employs two primary means of content delivery: video and an embedded Storyline module.

Please access a demo version of the online module here

Tools used: Articulate Rise, Storyline 360, video, Adobe Creative Cloud.

Cameras: (2) Sony A7s II mirrorless digital cameras

*At the time of filming, we only had 1 Sony A7s II – our second camera was a Canon XA25 camcorder. We ended up trading this for a second A7s II in order to match footage and because XA25’s video quality was inferior to the Sony.

Lenses:
- Rokinon Cine lens 85 mm f/1.5
- Sony Sonnar T* FE lens 55 mm f/1.8
- Sony FE lens 28-70 mm f/3.5-5.6

Microphones:
- (2) Sony XLR-K2M adapter kits
- (2) Sony UWP-D11 wireless lavalier kits
  Rode NTG2 shotgun microphone kit

Lighting: Ikan IB508 Bicolor LED kit

Editing software: Adobe Premiere Pro

Questions? Email us: Logan.C.Stahler@hitchcock.org
Resources

Richard E. Mayer, PhD
The Role and Design of Video for Learning
https://hrdtv.webinarsolutions.tv/permalink/v125849b6ac210fkuepr/

Clark, R and Mayer R.
e-Learning and the Science of Instruction
(Wiley, 4th edition)

Nuts and Bolts: Making Video More Social

Questions? Email us:
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