

1. Design Decision to Make

• Clipping cell phone on the eyepiece of endoscope

- Our design will have to have better performance than ClearSight
 - Image quality
 - By better optics
 - Sterilization parts
 - Easy to snap on
 - Compatibility with iPad
 - Incorporated light source, possibly?
- We're exchanging email with Dr.K
 - Deeper understanding of the problem
 - Available ClearSight?

• External camera

- iPad: USB kit available
 - <http://store.apple.com/us/product/MC531ZM/A/apple-ipad-camera-connection-kit>
 - All we need to design is the adaptor between camera and endoscope
- Android
 - Connecting through USB host mode / tethering Wifi
 - <http://stackoverflow.com/questions/9784683/android-external-camera-options-overlay-on-top-of-video-stream-no-middleman-s>

• Improved Image Share Method

- TBD
- Really, can be done as a subproject

2. Proposal Presentation

• Timeline?

• Deliverable

- Expected: proof of concept, working version of hardware + software piece that is compatible with one designated kind of a phone
- Deepak suggested that for maximum deliverable we could do compatibility test with multiple models.
- Maximum: Dr.K suggested that some kind of blind test: image processed by tower vs. cell phone version

3. Administrative Stuff

• Budget: We need to submit our proposal to Dr.K/Dr.Best.

- Nasir Bhatti: Faculty member who does educational research. Maybe budget from him
- Dr.K also mentioned that he can possibly donate us attachable endoscope camera.

- Written Proposal due: 2/20
- Presentation date: 2/25
- Team meeting date / with Kevin
 - With Kevin: Every Tuesday 2:45 pm
 - With clinicians?
- Communication: email/google group?
- Role assignment. What's your strength?