



Australian College of
Rural and Remote Medicine

Pilot of WBA assessment in the General Practice setting for AMC 2 equivalent

- Using iPods for remote recording of
consultations for review and assessment

John Togno

Di Wyatt



Objectives

Outline of pilot of workplace based assessment (WBA) for AMC Part 2

Demonstrate how, as part of WBA, iPods can be used to support formative and summative assessment of health professionals and trainees in remote settings



Why

- Approx 2800 OTDs candidates for AMC Part 2
- Approx 1700 of these working in GP setting
- ACRRM funded by DoHA to develop pilot workplace based assessment (WBA) for general practice



Essential criteria

- Merit based selection
- Formative and summative assessment
- Final certificate awarded by AMC



Criteria for inclusion

- Validated medical degree (AMC)
- AMC Part 1
- IELTS score > 7.2
- Limited registration for area of workforce need (AHPRA)
- Working under supervision in accredited or accreditable GP setting (TP)
- PESCI pass grade where required



Selection process

- Written application with max 5 points/criterion
 - CPD
 - Communication skills
 - Learning needs
 - Community engagement
 - Future plans
- Score 17 + accepted
- Score 13-16 telephone interview
- Score <13 rejected



The challenge

- Need to complete formative and summative assessments of candidates in locations that may be remote from MEs in a cost effective way
- Maintain assessment standards required by AMC



The assessment process 1

- WBA an assessment process NOT a teaching or training program
- Baseline assessment outcome equivalence with AMC Part 2
- Expected clinical performance standard end PGY1
- Performance measured against criteria specified in *Australian Curriculum Framework for Junior Doctors v2.2*



The assessment process 2

- Formative assessment by RTP ME
 - Case based discussions (CBD)
 - Mini-CEX
 - multiple assessors over time
- Summative assessment by ACRRM
 - CBD
 - Mini-CEX
 - Multi-source feedback (CFEP 360)



How to do remote assessment

- Mini-CEX
 - Trial of iPod video recordings
 - Standardised criterion referenced marking sheet
- Summative mini-CEXs required to be invigilated



Why iPods?

- User interface
- HIPAA compliance
- Availability
- Price
- Accessories and applications suited to purpose
 - mCAM mount
 - Video Camera+ (store and forward)
 - FaceTime (real time - NBN)



Issues

- The users
- Security
- Data size
- Data handling and storage
- Bandwidth for FaceTime (1 mb/sec upload and download < Skype)



Setting up the iPod





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Setting up the iPod





Setting up the iPod





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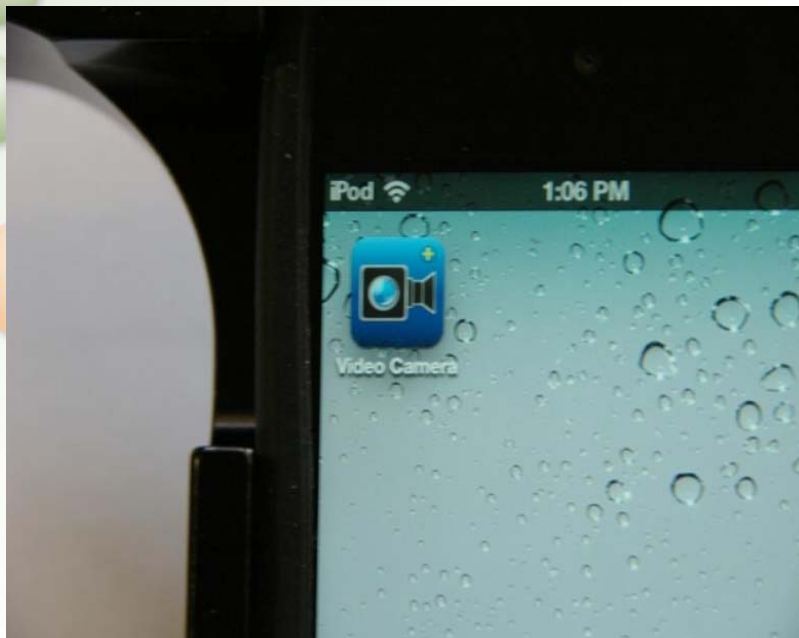
Setting up the iPod





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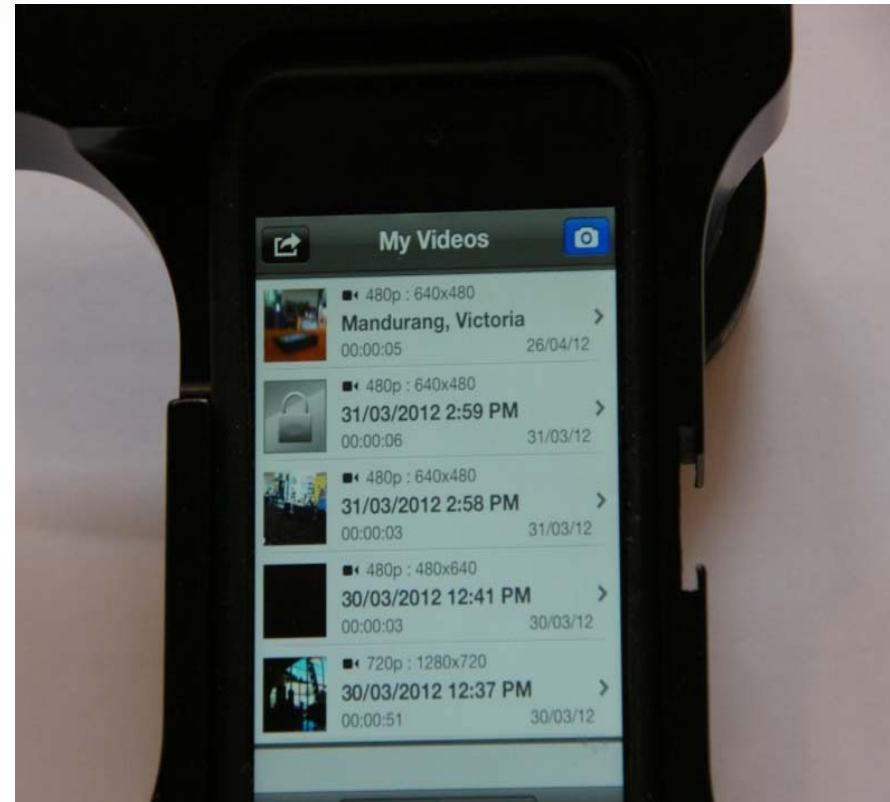
Using the Video Camera+ app





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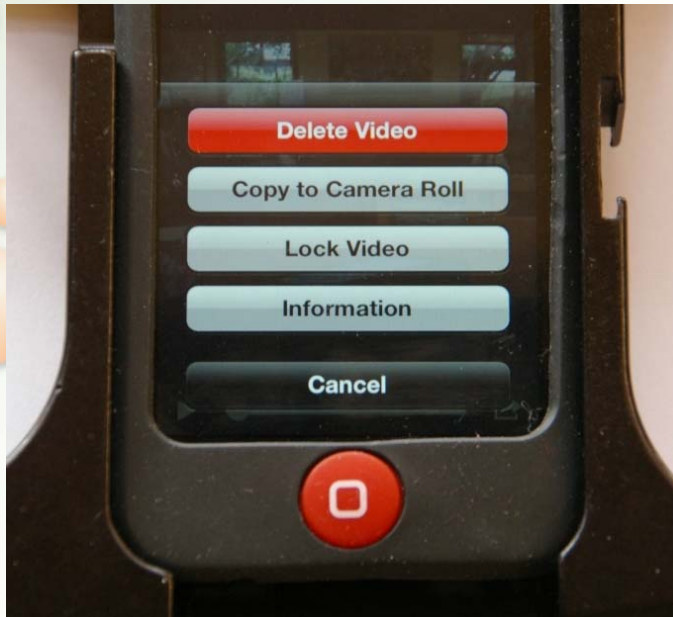
Using the Video Camera+ app





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Using the Video Camera+ app





FaceTime

- Works straight out of the box
- Need to set up Apple ID accounts
- 720p resolution
- High level of security



FaceTime Security

Security rating
of messaging
apps

Electronic
Frontier
Foundation

November
2014

	Encrypted in transit?	Encrypted so the provider can't read it?	Can you verify contacts' identities?	Are past communications secure if your keys are stolen?	Is the code open to independent review?	Is security design properly documented?	Has the code been audited?
FaceTime							
Google Hangouts/Chat "off the record"							
Hushmail							
iMessage							



Lessons for remote supervision

- iPods can be used effectively to undertake quality and cost effective formative workplace based assessment of remote candidates
- Summative assessment is also possible with appropriate invigilation