Smart Mobile application based portfolio; Is it feasible and convenient for assessment?

Chayanee Penpian

Thiland

Background: Portfolios are an important widely used tool for evaluating medical students' progression in clinical competence and professionalism. Smart Mobile application based portfolio was developed based on the fact that technology is now playing a crucial part in today's learning style and aids both students and instructors in the process of learning, revision, assessment and reflection. The beta-test application is available on both IOS and android phone for use by medical students rotating through ophthalmology departments.

Methods: 7 attending ophthalmologists and 100 medical students rotating in ophthalmology departmentfrom Thammasat University, Chulalongkorn University and Chumpon hospital were enrolled in this study. All participants used the application from their first to final day of their ophthalmology clinical rotation. On the final day of their rotation, an evaluation form was completed by all participants regarding their feedback about the application.

Result: Most of the students and attending ophthalmologistscompletely agree that the essential skills the students need to learn are listed in the application (54%), the medical skills listed were actually trained (59%), the attending doctor's advice is helpful for personal development (62%), the application is easy to use (60%), attending doctors and students can record what they have learned (47%), the application touchscreen is easy to use (58%). Most of the students and attending ophthalmologists somewhat agree that the application is flexible for the students (40%), the students and attending doctors will use the application regularly (43%), medical skills guide and recommendation are useful in practice (42%).

Conclusion: Smart Mobile application based portfolio is feasible and convenient for assessment. However, the application still needs further development to meet the users' expectation.

Keywords: Smart Mobile, application, portfolio

Biography

Chayanee Penpian is a renowned ophthalmology Student in Thiland gaining his BSc and MBBS from the Thiland. He publishes many articles in reputed journals.