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Development of a Mobile Simulation Teaching Aid for iOS devices

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Abstract

Context

Simulation is being used to teach multi professional teams in a range of environments. A bank of scenarios is being created by Wessex trainees and consultants through an active simulation collaboration (STRIPES). Moving simulation from the controlled sim suite to a range of settings including the ward and prehospital environment presents a challenge for educators who need the scenarios at their fingertips to facilitate effectively. We present a mobile solution.

Description

Using Xcode and Swift for iOS, we have developed a mobile app for iOS devices which will be available on the Apple App Store. The app contains a range of paediatric simulation scenarios in a user friendly interface and includes media such as videos, images and sounds. These can be used by healthcare professionals and educators to facilitate simulations in any environment. The scenarios are being developed by Wessex trainees and consultants using the standard NHS England template.

Observation

The app has been tested by educators in the region with an interest in paediatric simulation. We have adapted the app according to feedback to make user interface improvements.

Discussion

The app is complete and is currently being prepared for submission to Apple for review and will be released to the Apple App Store. It will be free to all initial users. We will continue to update this app to add and develop new content. We are keen for this app to be used in multiple environments to test it's effectiveness and to allow changes from feedback to be made.

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