Your Title

Abstract

Pansulin is an augmented reality (AR) mobile application that develop for users to learn the pancreas anatomy and physiology. The mobile (AR) application content can be used to study the structure of pancreas and differentiate the pancreas with normal person and diabetes person. The application also provides viewing 3D models and video of the role and anatomy of the pancreas.

Introduction

Pancreas is part of the digestive system and contain two main functions. An exocrine function that helps in digestion while an endocrine function that help in regulates blood sugar. People have difficulties to know about the structure of the pancreas in their study and cannot imagine how the pancreas looks like. Pansulin, augmented reality (AR) mobile application will help users to know more details about pancreas anatomy and physiology.

Materials & Method

Materials: Marker
People just need to use Android Smartphone and scans the marker, the 3D model will appear. So, people use this application in anywhere and anytime if you want to use it.

Method: Software
Augmented reality (AR) mobile application will be developed by using Unity and Vuforia while Autodesk ReCap Photo was used to recap the 3D model of pancreas and export it to fbx file. Animaker and Wondershare Filmora were using for animation and video editing.

Results & Discussion

1. Pansulin can guide people to know more about the pancreas. People can get to learn the structure of the pancreas when they interact with 3D model. People can sweep or zoom the 3D model to see the structure of the pancreas and know the structure of the pancreas with the help of labelling.

2. By using the 2D animation and video, people can learn the pancreas anatomy and physiology more easily.

Conclusion

In this project, people can know more details about the pancreas anatomy and physiology through the 3D model, animation and video in the augmented reality (AR) mobile application.

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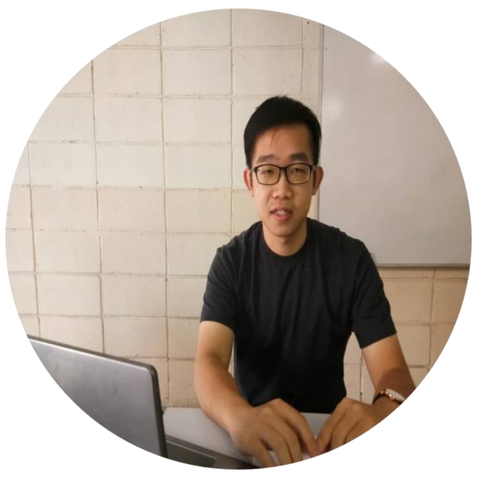

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