

2D and 3D Medical Images for Anatomy Education using a cloud computing platform

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Human anatomy is the basic scientific study for students in medical schools to learn the shape, position, size, and various relationships of the organ structures in the human body. In this paper, we make use of the images produced by the Visible Human Project (VHP) that are free for access through the internet to develop a 2D and 3D anatomy learning system for the students in medical schools to learn the anatomy more effective and efficient. Since the system needs to use a huge amount of storage to store the data and to use a huge amount of computation power to generate 3D images of various organs interactively, the system is installed in a cloud platform. The students can access the system through a mobile device, such as a pad computer so that they can easily learn anytime anywhere with affordable devices.

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