Modern teaching methods in Radiology at the Department of Anatomy, University of Sri Jayewardenepura.

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Background

Radiological anatomy is an essential component of medical curriculum, the debate concerning how best to provide this teaching is ongoing. The radiology teaching has advanced with the novel teaching modalities.

Methods

Wall mounted 4in1 illuminators were installed at the new radiology museum. The museum consists of hard copy and digital image bank with x-ray, CT and MRI of normal and diseases states. They are categorized with a short description.

Radiography technique demonstration bay was introduced to give an insight of taking x-rays in order to correlate with x-ray appearance.

During radiology demonstration sessions the students are divided in to 3 groups. Each group will go in rotation to radiography technique, interpretation of the radiograph and self learning components. Last 30minutes are allocated to the question discussion.

Results

During sessions, the normal anatomy and variations will be discussed. The difficult areas will be explained using the three dimensional computer based applications and videos using 3D-LED panels.

Students can self-study the radiological images and understand the importance of correct positioning.

During self study periods students are free to utilize the museum for better understanding.

Students compare the side-by- side radiological images with gross specimens during radiological demonstrations.

Preliminary study of this method has been tested with pre-interns and found to be effective.

Conclusions

We are the first Sri Lankan Medical Faculty to incorporate radiology museum concept to Anatomy curriculum.

These new incorporations of new teaching methods will generate enthusiasm to learn.

These incorporations are to be implemented with the new intake.