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Aim:

This project aimed to assess the feasibility of using micro-modules for the topics in the Basic Care in Gerontology course offered to Year 1 students in the Gerontology.

Production Strategy:

The production of the MMs adopted a number of multimedia software, including:

Articulate 360: A set of authoring tools for course developments.

Camtasia: A simple but intuitive videoediting software.

GoAnimate: Web-based tool to constructed animated video.

Deliverables:

4 micro-modules have been developed and used in Flipped Classroom Teaching.

In total, four MMs were produced. Each MM lasted for 20 minutes in the combination of: (1) annotated course contents; (2) tailored made video/ animations, and (3) Questions for selfevaluation.

Using MICRO-MODULES for Gerontology Students: a feasibility study

Evaluation: Self-administered survey:

Ten 6-point Likert-type item to reflect their perception, usefulness and satisfaction.

Results:

- N=26 students completed the survey
- majority of students agreed that they had a positive learning experience
- item mean score ranged from 4.35 to 5.04.
- In particular, the mean of the items used to assess students' perceptions on the usefulness* and satisfaction of the Micro-module were 4.94 and 4.89 respectively.

ltem	Mean	SD	
The content is arranged in a clear and logical way.	5.04	0.528	
The content adequately explains the knowledge, skills and concepts it presents.*	5.00	0.748	
The activities help you to gain a clear understanding of the subject.*	5.04	0.662	
The amount of time it takes to complete the micro-modules is appropriate.	4.96	0.720	
The pace of the micro-modules is appropriate.	4.81	0.749	
The interactivity in the micro-modules is suitable for the content.*	4.77	0.652	
The animations/ videos posted in the micro-modules are attractive.	5.04	0.720	
The quality of multimedia (audio, video, and animation) used in the micro-modules is good.	4.88	0.653	
I enjoyed browsing the micro-modules.	4.62	0.804	
I prefer to have the lecturer delivering the contents in classroom.	4.35	1.056	

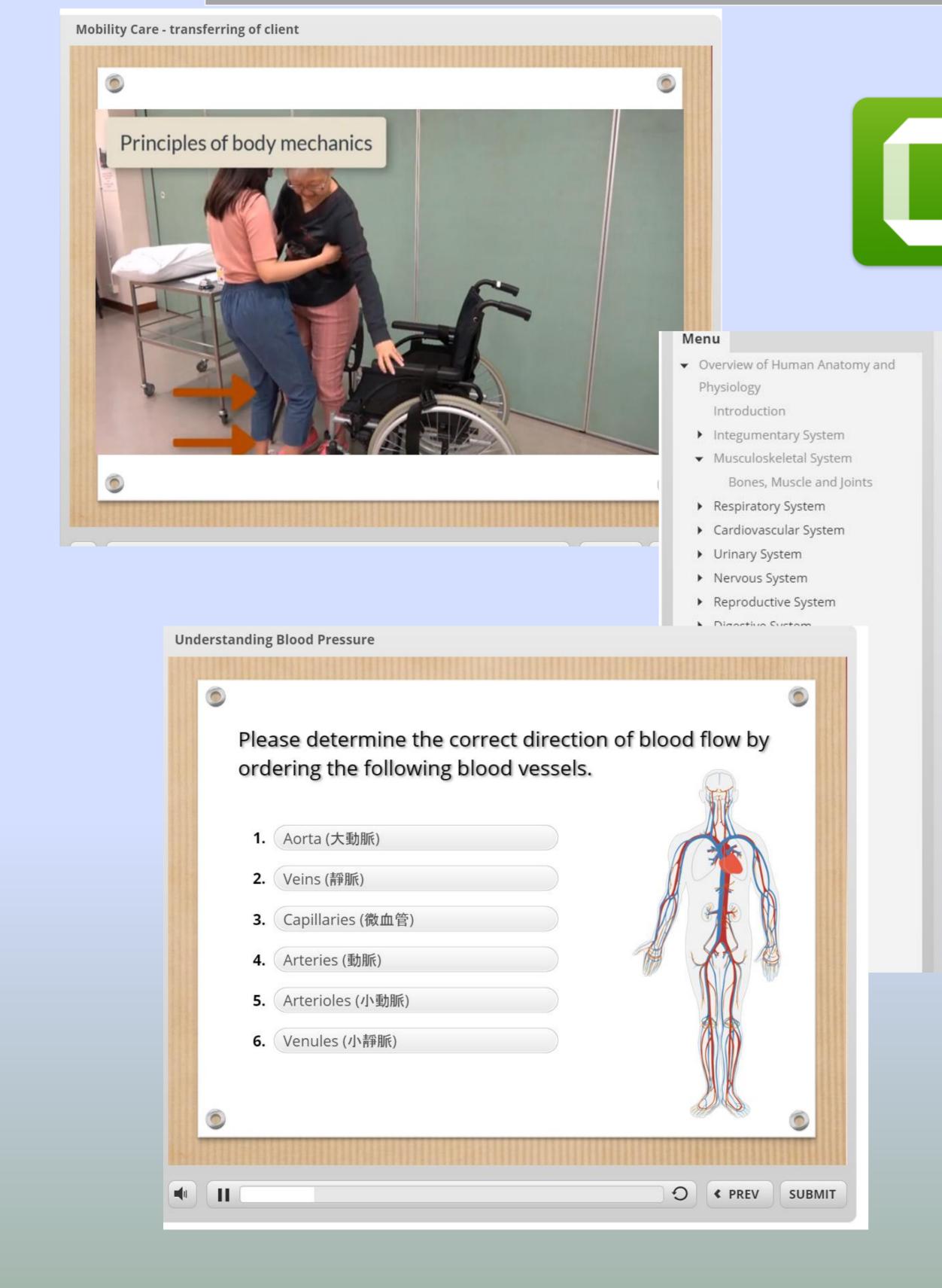
Utilization and Application:

All students enrolled in the course accessed and completed all the activities in the Micro-modules.

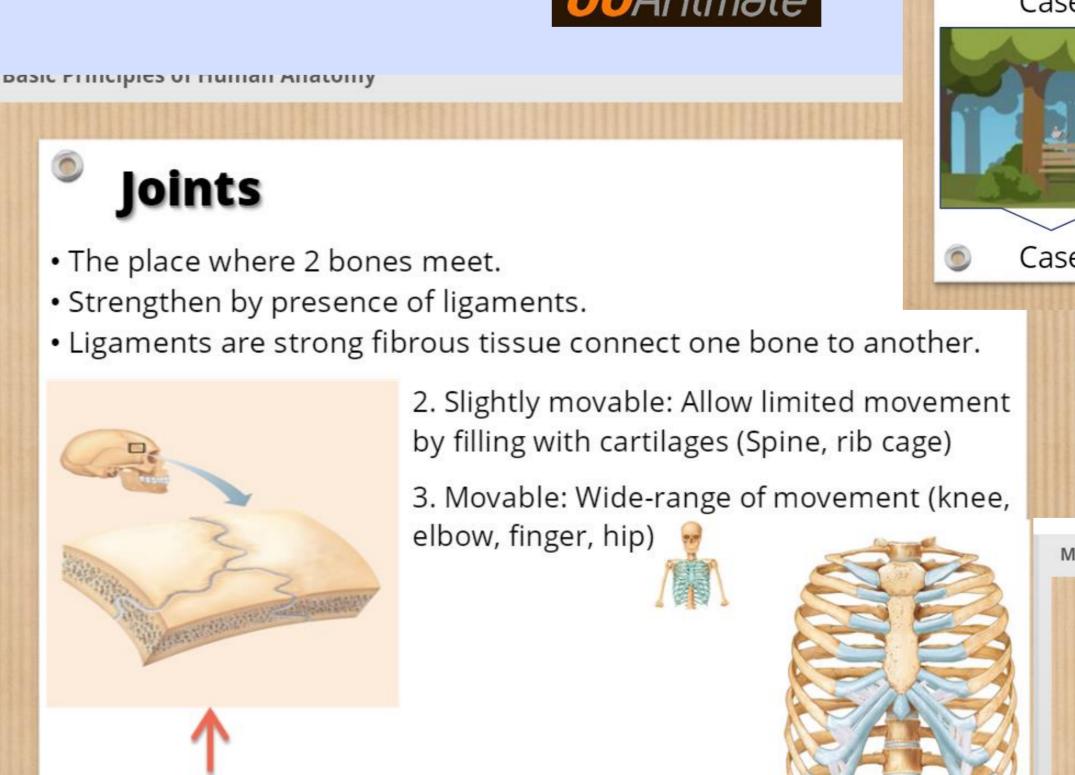
(Class size=29)	MM1	MM2	MM 3	MM 4
Completion rate	N=29	N=29	N=29	N=29
	(100%)	(100%)	(100%)	(100%)

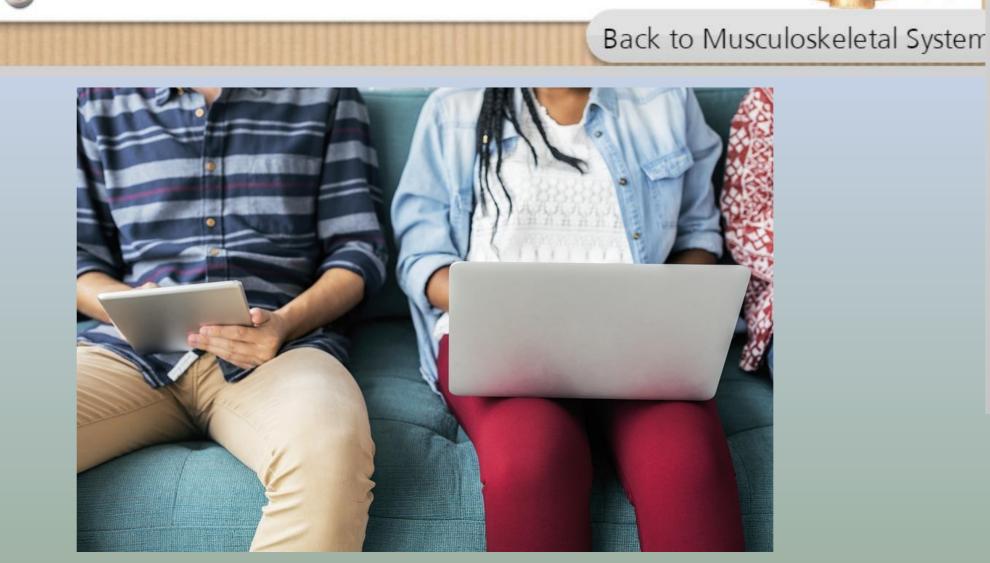
Conclusion:

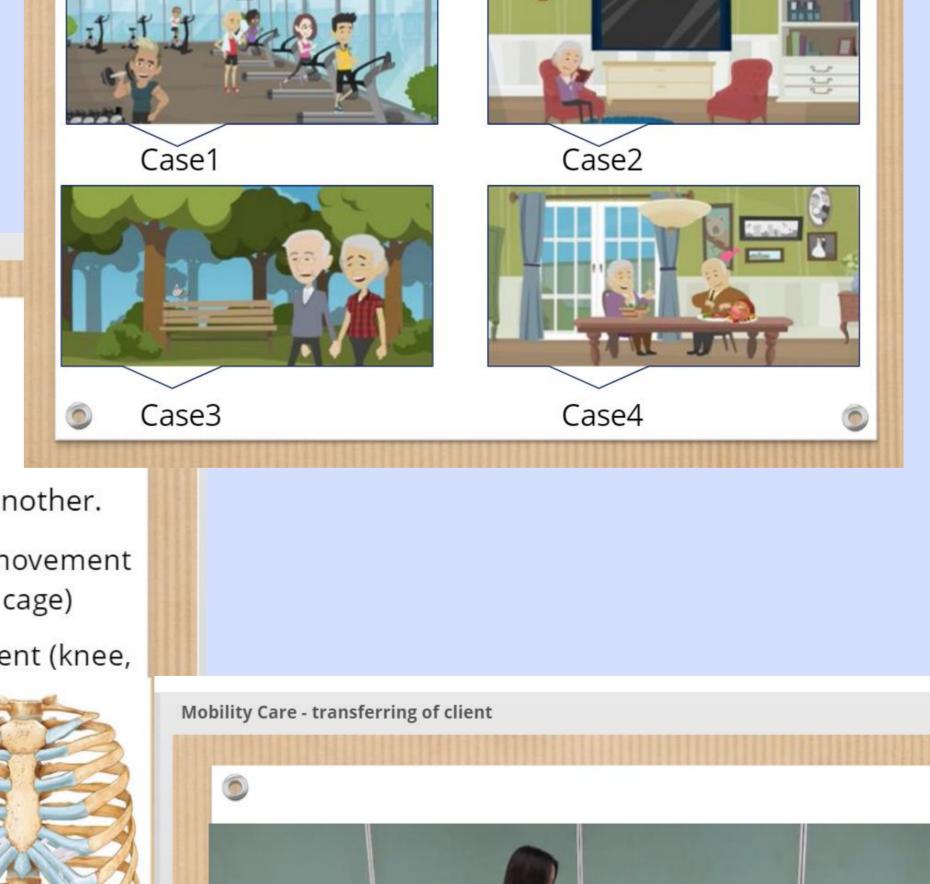
This innovative use of the micromodules is hoped to enhance the teaching and learning process. Similar approach may be considered to other related courses so as to facilitate the self-paced learning.











Physical Changes in the ageing Process

I. Fixed: No movement at all

(Skull, teeth)