# **SINGHEALTH DUKE-NUS EDUCATION CONFERENCE** 2019 27 & 28 SEP | ACADEMIA

**FORMATIVE ASSESSMENT WITH TECHNOLOGY: PERCEPTIONS OF THE EDUCATOR AND THE LEARNERS** 

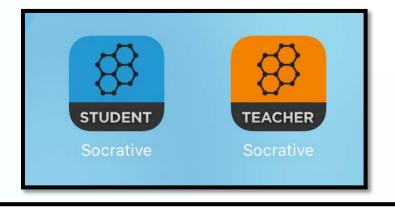
Eugenie Phyu Aye Thwin, School of Health and Social Sciences, Nanyang Polytechnic

## **Purpose**

 To explore the perceptions of the educator and learners of using technology as a formative assessment tool for anatomy and physiology module in nursing education

### **Methods**

- Set the objective types of questions in the Socrative Teacher app
- Instruct students to install the Socrative Student app in their mobile phones
- Students log in to the Socrative Student app and answer the questions
- The lecturer checks students' answers and gives explanations for correct and incorrect answers
- Conduct an anonymous online survey to explore students' perception of formative assessment using technology

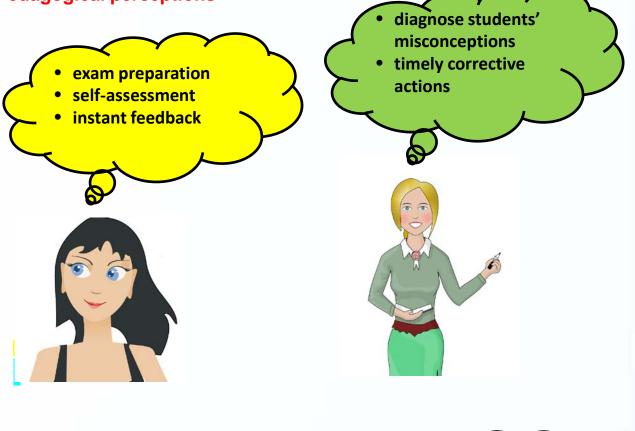


# **Results**

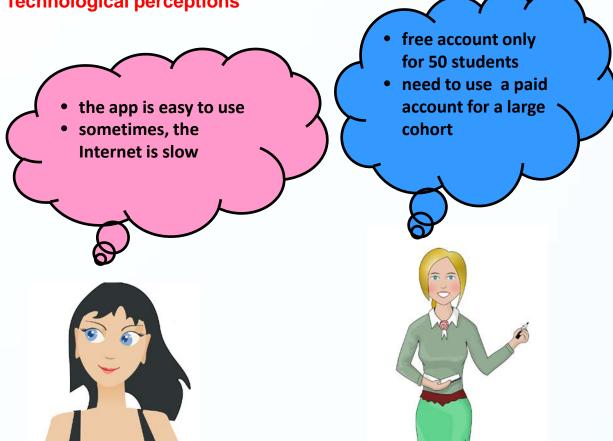
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• 20 students from the accelerated diploma in nursing course participated in the survey

#### **Pedagogical perceptions**



#### **Technological perceptions**



#1	EDIT     Which illustration does BEST describe for a unipolar neuron?	
A <sup>P</sup>		
The Tan	artine him.	É
ANSWEI	R CHOICE	
Α	A	
В	В	
С	C	
D	None of the above.	
Explan Option A	<b>ation:</b> Is a description of bipolar neurons which can be seen in special sense organs.	

Option B is a correct description of unipolar neurons which are sensory neuro	ns.
Option C is a description of multipolar neurons which are motor neurons.	

• • •				ect
<ol> <li>Normal lymphocyte populations are maintained in the</li> <li>\$\exists 116 (A) spleen</li> <li>6/116 (B) liver</li> <li>97/116 (C) red bone marrow</li> <li>8/116 (D) yellow bone marrow</li> <li>2. Most of the lymph returns to the venous circulation by way of the right lymphatic duct.</li> <li>38/116 (A) True</li> </ol>	In-class	quiz (9)		Total Questions: 2
<ul> <li>5/116 A spleen</li> <li>6/116 B liver</li> <li>97/116 red bone marrow</li> <li>8/116 v yellow bone marrow</li> <li>2. Most of the lymph returns to the venous circulation by way of the right lymphatic duct.</li> <li>38/116 A True</li> </ul>	Most Corr	ect Answers: <b>#1</b>		Least Correct Answers: #2
<ul> <li>6/116 B liver</li> <li>97/116 red bone marrow</li> <li>8/116 v yellow bone marrow</li> <li>2. Most of the lymph returns to the venous circulation by way of the right lymphatic duct.</li> <li>38/116 A True</li> </ul>	1. No	rmal lymphocyte p	oopulations are maintained	l in the
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	38/116	A True		lon by very or the right

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### **Conclusion**

- Socrative app is one of the examples of using technology as a formative assessment tool
- Interactive assessment
- Timely diagnosis of students' misconception and corrective actions
- A promising tool for facilitating students' learning in higher education

### Reference

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