

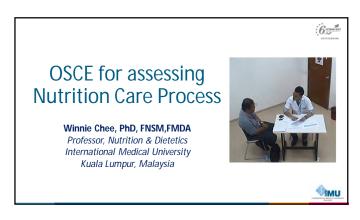
Overview of today's webinar Learn about exciting new ways to make case based approaches to teaching NCP and dietetics come alive for students. Hear about the development and use of the Objective Structured Clinical Examination (OSCE) for dietetics. The OSCE is currently being used in other medical professions but not yet widely used in dietetics Experience two free types of on-line teaching tools (Kahoot and Socrative).

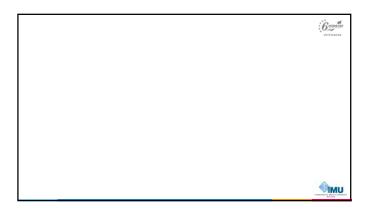
Objective Structured Clinical Examination (OSCE) for dietetics

• Identify benefits and challenges of using an objective structured clinical examination (OSCE) for dietetics

• Evaluate whether their educational program can/should pursue development of an objective structured clinical examination (OSCE) for dietetics











- Identify benefits and challenges of using an objective structured clinical examination (OSCE) for dietetics
- Evaluate whether their educational program can/should pursue development of an objective structured clinical examination (OSCE) for dietetics

Identify the process for developing OSCE at IMU Describe benefits and challenges Describe results from OSCE at IMU



Background

IMU : 1 of 6 top ranking universities in Malaysia

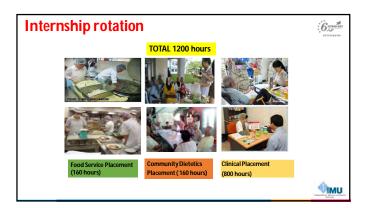
4 years Bachelor's program in Dietetics

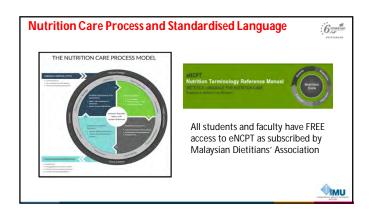
Graduated 245 alumni with good employer feedback in the past 10 years

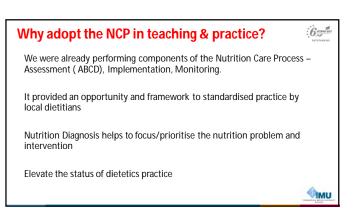
Pioneers in new employment areas – pharmacies, long term care facilities, international schools, web-based companies

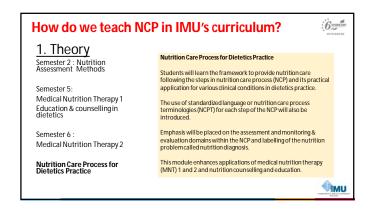
Curriculum benchmark - ICDA



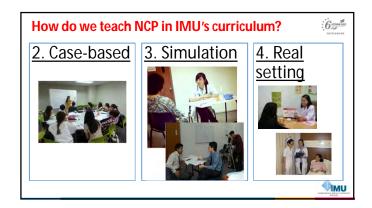


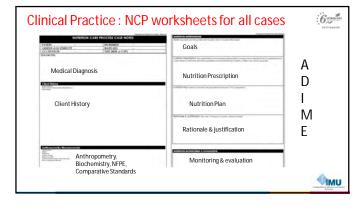


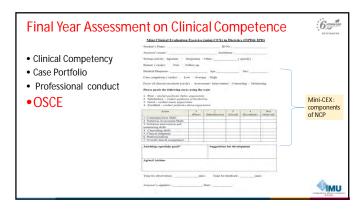


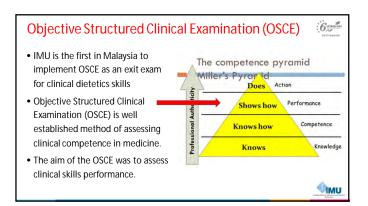


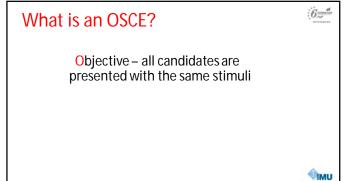


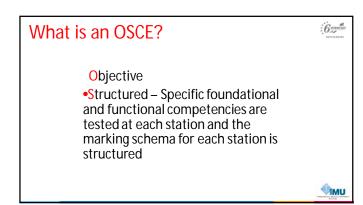


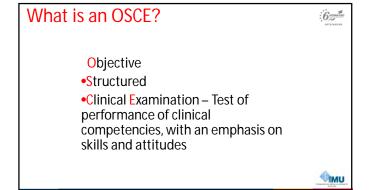


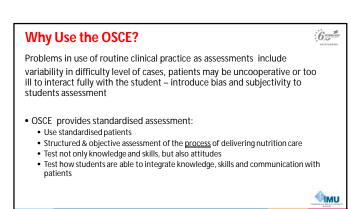




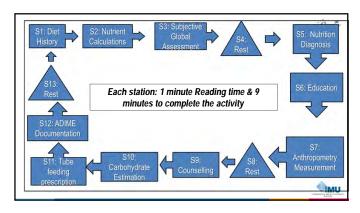




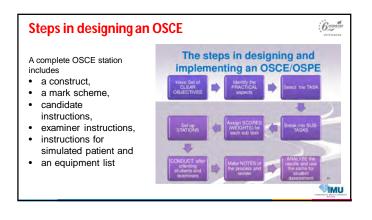


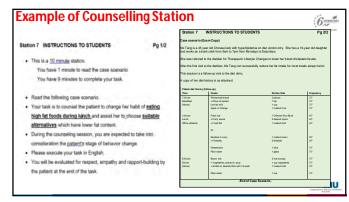


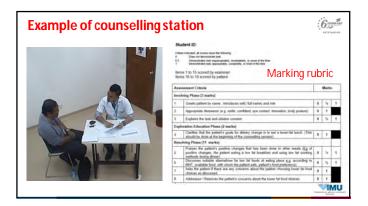




MMU





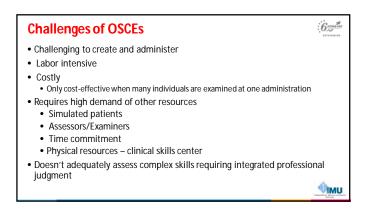


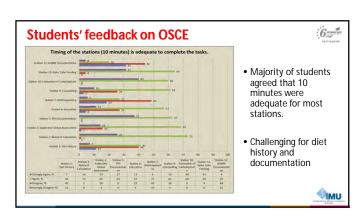
Measures clinical competence cross-sectionally using standardized means Focuses on observable behaviors: measure attitudes, patient-centeredness Enables fairer peer comparison Allows for assessing complex competencies without endangering patients' well-being Encourages a collaborative assessment approach Has the potential for peer feedback and assessment

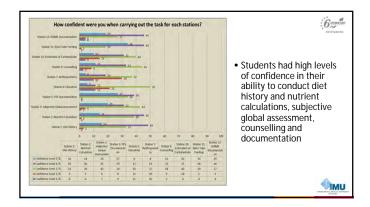
• Has been extensively researched and found to be valuable for summative

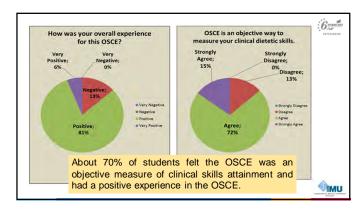
assessment. However, not extensively used in dietetics

Advantages of OSCEs









The OSCE exams were found to be a valuable assessment method for competency in executing nutrition care process in dietetics It allowed direct observation of skills acquired and also the ability to assess the attitudes towards patient care The OSCE adds value along with other methods i.e viva portfolio and mini-CEX to assess clinical competencies in dietetics students after placements



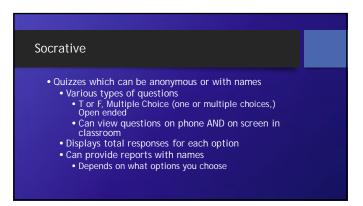




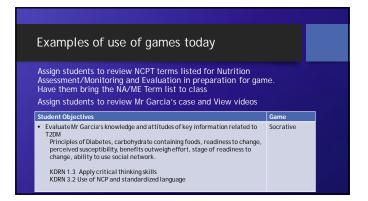
Overview Background on use of games in teaching Description of two free on-line applications Demonstration of use in a case-based approach

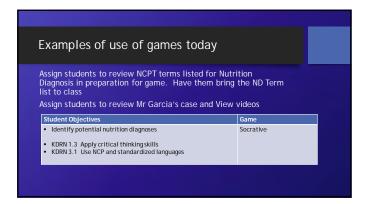
Adoption of games in classrooms appear to be related to 2 factors Previous experience of educator Curriculum relatedness¹ Systematic review of 143 articles between 2009 and 2014 ² Most frequently outcome was knowledge acquisition Entertainment games addressed a broader range of affective, behavior change, perceptual and cognitive and physiological outcomes. Games for learning were found across varied topics STEM subjects and health the most popular. DeGrove, et al. Digital games in the classroom*Acontextual approach to teachers* adoption intention of digital games in formal education. Computers in Human Behavior. 2012-28(6): p 2023-2033 Boyle et al. An update to the systematic literature review of empirical evidence of the impacts and outcomes of computer games and serious games. Computers and Education. 2016-94: p 178-192

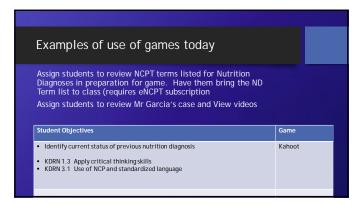
Competitive Game (individual or group) TF or Multiple choice Up to 4 Answers options Color and shape coded Must be able to read question on screen in classroom (not phone) Displays "cumulative score" Based on accuracy and speed Complete with music and sound effects

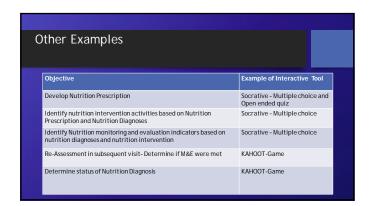














Use NCP and NCPT

In this case the Nutrition Assessment information was subdivided into 8 different pieces (slides)

Each piece has a separate Kahoot, allowing students multiple opportunities to select data categories

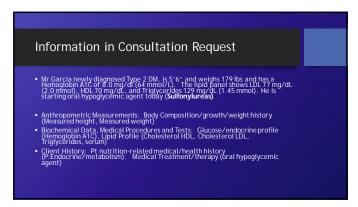
Can use Kahoot alone and then discuss afterwards OR

Use Kahoot, but then discuss each afterwards

At least for the first one or two to allow for more learning and application during the class period

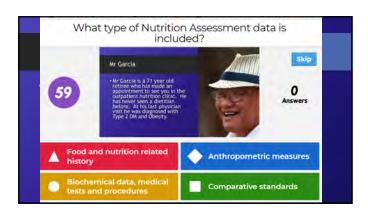


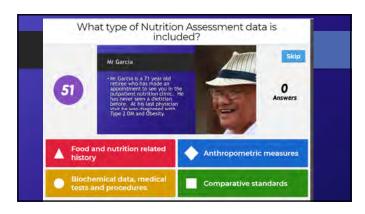














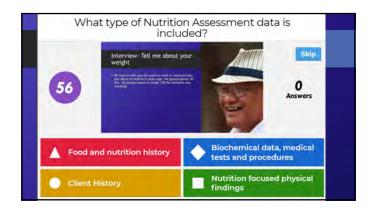


Mr. Garcia

Mr. Garcia has been experiencing tiredness starting about 6 months ago along with being very thirsty and experiencing frequent urination during the day and also at nighttime.

Which of the domains are represented in these two sentences:

NFPE: Overall Findings (lethargic), Mouth (Excessive thirst), Genitourinary system (polyuria),

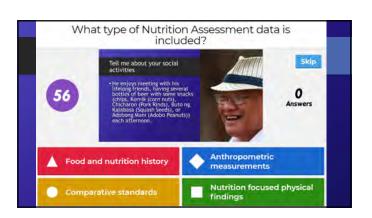


Interview- Tell me about your weight

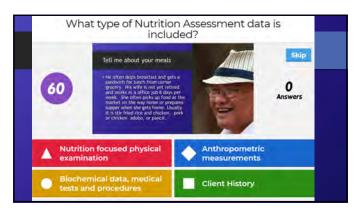
• Mr Garcia tells you he used to work in construction, but after he retired 3 years ago, he gained about 30 lbs. He always used to weigh 149 lbs when he was working.

• Client History: Occupation (retired from construction work)

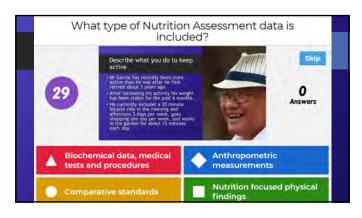
• Anthropometric Measurements: Weight (Usual stated weight) Weight change (weight gain)











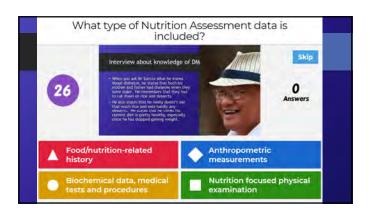
Desribe what you do to be active

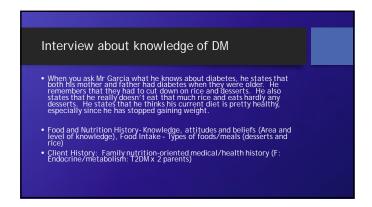
Mr Garcia has recently been more active than he was after he first retired about 3 years ago. After increasing his activity his weight has been stable for the past 6 months. He currently includes a 20 minute bicycle ride in the morning and afternoon 3 days per week, goes shopping one day per week, and works in the garden for about 15 minutes each day.

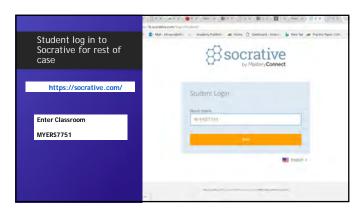
Food and Nutrition-Related History - Physical Activity and Function (frequency, duration, intensity, or type of physical activity)

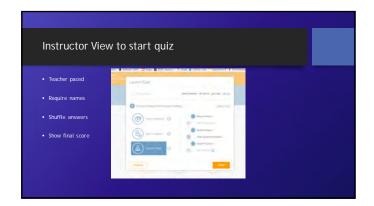
Anthropometric Measures: Weight (stated peak weight)

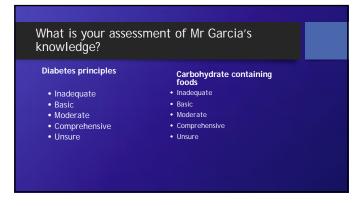
Client History: Occupation (retired)

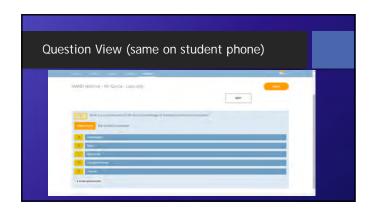


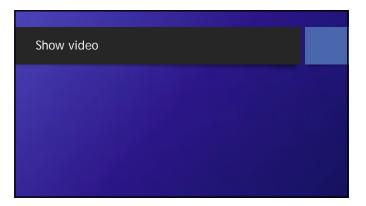


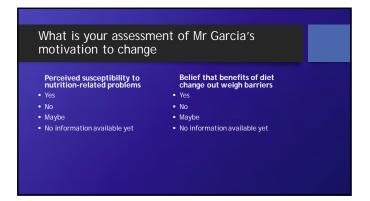


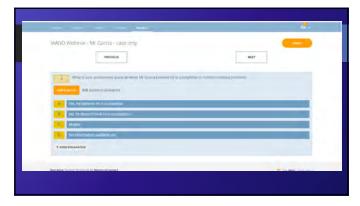












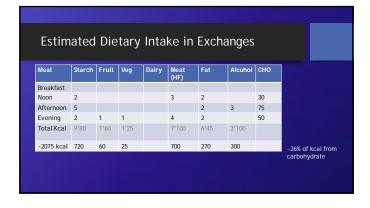
Readiness and Support Assessment

Select the Stage of Change based on Mr Garcia's comments

Precontemplation
Contemplation
Preparation
Preparation
Action
Maintenance
Unsure

Select the Stage of Change Is he able to use social networks to support his behaviors

Yes
No
Maybe
No information available yet



Your Assessment

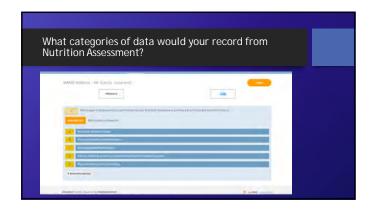
• Estimate his intake to be -2100 kcal • BMI 28 per day

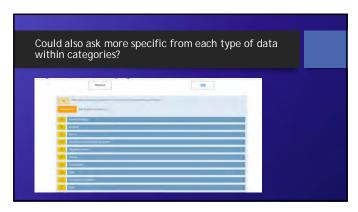
• Carbohydrate distribution of current intake:

• 30 g - noon meal

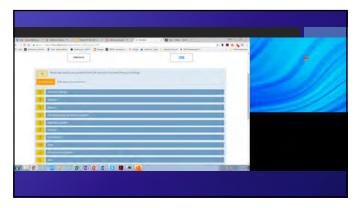
• 75 g - afternoon

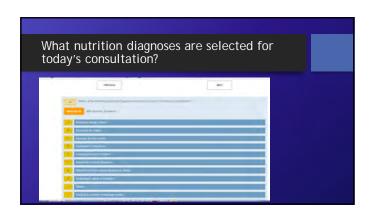
• 50 g - evening meal

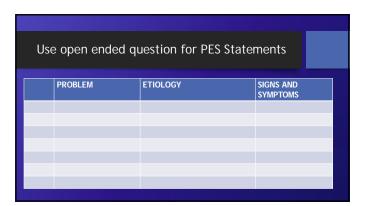


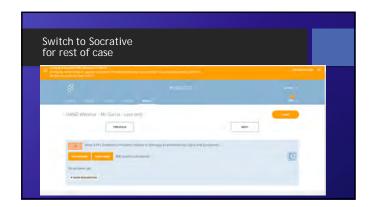


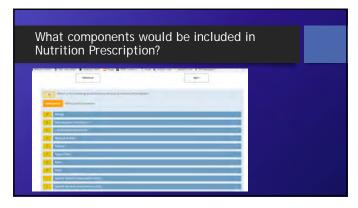












What components should be included in the Nutrition Prescription

• Energy
• Macronutrient distribution
• Carbohydrate distribution
• Physical activity

Nutrition Intervention (Broad categories)

• Which would you include in the nutrition intervention?

• Food and/or Nutrient Delivery
• Nutrition Education
• Nutrition Counseling
• Coordination of Nutrition Care by a Nutrition Professional
• Popuulation Based Nutrition

Which Nutrition Education would you use? (Specific items)

Content
Purpose of the Ntr Ed
Priority Modifications
Survival Information
Nutrition Relationship to health/disease
Recommended modifications
Other or related topics
Other
Physical Activity guidance

Which Theory and Which Strategies (Specific choices)

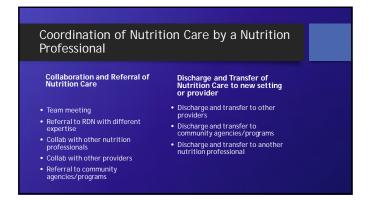
Theory/Approach

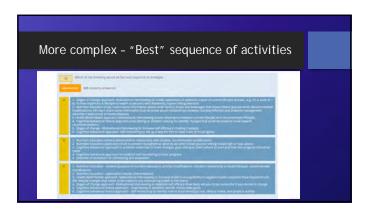
Cognitive behavioral theory
Health belief model
Social learning theory
Transtheoretical model/stages of change
Other

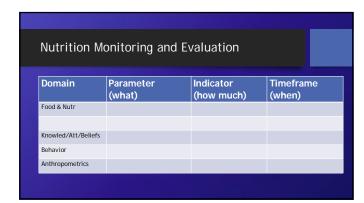
Transtreoretical model/stages of change
Other

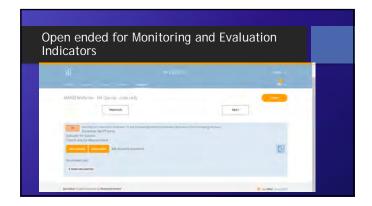
Strategies

Motivational Interviewing
Gaal setting
Self-monitoring
Problem solving
Social support
Stimulus control
Stimulus control
Cognitive restructuring
Relapse prevention
Rewards/contingency management
Other













Resources used for this presentation • KAHOOT. Available at www.kahoot.com • SOCRATIVE. Available at www.Socrative.com

- E Nutrition Care Process Manual. Academy of Nutrition and Dietetics. Available at www.ncpro.org
- Nutrition Care Process and Terminology: A Practical Approach. Nutrition Care Professionals, Pty, Ltd. Available at www.nutritioncarepro.com

Acknowledgements

- Dr Winnie Chee and International Medical University (IMU) faculty
- Academy of Nutrition and Dietetics Nutrition Care Process/Standardized Language Task Forces and Committees (2003 to 2012)
- Current Academy of Nutrition and Dietetics RISA Staff