Tutor Guide | Group Activity on Advancements in Geriatric Assessment Methodologies for Physiotherapists

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Content

Course: Common Geriatric Assessments

Topic: Advancements in geriatric assessment methodologies for physiotherapists

Duration: 6 Hours

Session Type: Group Activity (Practical)

Activity Overview

- This session is designed to enhance your knowledge and practical skills related to geriatric assessment using advanced robotic assessment systems.

- Students will work in small groups to study, demonstrate, and evaluate two advanced robotic assessment systems available in geriatric assessment laboratory which can use in clinical physiotherapy practice for older adults.

Learning Objectives

By the end of this session, you should be able to:

1. Explain the purpose and clinical relevance of using Pablo® and Tymo®.

2. Identify indications, absolute and relative contraindications for each therapy.

3. Demonstrate accurate performance of assessment components with each system on a simulated patient.

4. Provide appropriate patient instructions and ensure patient safety during assessments.

5. Describe accurate interpretation of results in reports which provided by each system.

6. Evaluate peer performance using a structured checklist.

Assessment components covered

- Balance, force and posture control assessment by Tymo®.
- Measurement of range of motion of upper and lower limb, grip strength of various gripping patterns, and gait assessment using different applications of Pablo ®.

Session schedule

Time	Activity	Tutor Role
0–15 min	Introduction to session and instructions	• Welcome students. • Explain objectives and expected outcomes. • Brief on group activity and assessments. • Assign robotic rehabilitation systems (Pablo® and Tymo®) and distribute resources.
15–180 min	Group preparation using video + web resources	• Observe groups. • Offer guidance and clarification. • Ensure each group covers key content (purpose, procedure, patient instructions, interpretation of results, contraindications, clinical relevance).
180–320 min	Group demonstrations (10 min each) with peer practice	• Facilitate smooth transitions. • Observe student performance and provide real time feedback. • Ensure safety and accuracy. • Encourage interaction. • Allow students to practice on each other under supervision.
320–340 min	Peer evaluation and informal Q&A	• Oversee peer evaluation process. • Answer clinical queries. • Clarify misunderstandings. • Promote collaborative discussion.

340–360 min	Wrap-up and reflection	• Facilitate brief reflection (oral or written).
		• Highlight key takeaways.
		• Encourage students to apply tools during clinical placements.

Group Assignments

Each group is assigned one robotic assessment system. Their tasks include:

- Understanding the robotic assessment system (based on video + independent search).

- Explaining all key aspects (see checklist below)

- Demonstrating the each robotic assessment system.

- Practicing with peers

- Receiving feedback from peers and tutor

Student Checklist

Students' performance will be evaluated based on:

- Accuracy of technique

- Clarity of explanation

- Patient safety and comfort

- Team coordination

- Ability to answer follow-up questions

Tutor's Key Responsibilities

1. Pre-Session Preparation:

- Ensure videos and handouts are accessible.

- Prepare equipment for demonstrations.

- Print or distribute peer evaluation checklists.

2. During Group Work:

- Prompt critical thinking.

- Encourage use of evidence-based resources.

- Ensure all checklist areas are being addressed.

3. During Demonstration:

- Evaluate clarity, technique, safety, and content.

- Provide constructive feedback.

- Emphasize how improper performance can lead to misinterpretation in clinical settings.

4. During Practice & Feedback:

- Support students trying out the assessments and therapies on peers.

- Observe communication skills and professionalism.

- Moderate peer feedback and ensure it remains respectful and useful.

5. Wrap-Up:

- Highlight common strengths and gaps.

- Link session content to clinical application.