

Student Guide | Group Activity on Advancement in Geriatric Assessments Methodologies for Physiotherapists



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Student Guide | Group Activity on Advancement in Geriatric Assessments Methodologies for Physiotherapists | Practical Session

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.
- You 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 Pablo® and Tymo®.
2. Identify indications, absolute and relative contraindications for each therapy.
3. Demonstrate accurate performance of different assessment components with each system on a simulated patient.
4. Provide appropriate patient instructions and ensure patient safety during assessment procedures.
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®.

Group Work Instructions

- You will be divided into 2 groups.
- Each group will be assigned one robotic assessment system (Pablo® or Tymo®).
- You will have 3 hours to prepare a brief demonstration.
- Use the printed resources, videos, and online references as needed.

During preparation, focus on:

Required Aspect	Description
Purpose	Why the Pablo® and Tymo® are used in geriatric physiotherapy assessment
Procedure	Familiarize with software, Step-by-step demonstration of different types of available assessments using Pablo® and Tymo®
Patient Instructions	Clear, simple language used with patient
Interpretation of results of assessments	How assessment results provided by each system can be accurately interpret
Contraindications	When the Pablo® and Tymo® should not be used
Clinical Tips (Recommended)	Safety tips, positioning aids, communication cues

Demonstration and Peer Review

- Each group will demonstrate their assigned equipment in 3 hours.
- Peer groups will complete a checklist-based evaluation for each demonstration.
- Constructive feedback is encouraged to support learning.

Evaluation Criteria

Your performance will be evaluated based on:

- Accuracy of technique
- Clarity of explanation
- Patient safety and comfort
- Team coordination
- Ability to answer follow-up questions

Learning Resources

- Videos and manuals of each system will be provided.
- Use web-based resources for additional reading.

At the End of the Session

- Submit your completed peer evaluation form.
- Ask questions related to administration of software and practical demonstrations.