

Interview Guide

The objective of the study is to explore the perceptions of physical therapists regarding the use of AI-powered diagnostic tools in their practice and to identify key factors that influence the attitudes and willingness to adopt such technology in practice among physical therapists.

Participation in this research study is voluntary. The interview session is expected to take no more than 45 minutes. Your name will not appear in the completed interview, and no identifying information will be collected. You may withdraw from the study at any time before completing the session. Your participation will not expose you to any risks. There are no costs or financial compensation for your participation.

The information you provide will remain anonymous, and all responses will be collected and analyzed from all participants for research purposes only.

If you have any questions, please contact the principal investigator Prof Reem Alwhaibi College of Health and Rehabilitation Sciences, via email at rmalwhaibi@pnu.edu.sa

Section 1: Demographics Information

- Age
- Years of experience in physical therapy
- Workplace Place
- Familiarity with AI technology.
- Specilaity

Section 2: Understanding of AI Tools

1. Q1: How familiar are you with AI-powered diagnostic tools commonly used in physical therapy?
Prompt: Can you describe any specific tools you've encountered or heard about?
2. Q2: What is your perception of the effectiveness of these tools in supporting clinical practice?
Prompt: Have you noticed any strengths or limitations in their application?

Section 3: Clinical Decision-Making

3. Q3: How do you believe AI tools could influence your decision-making processes in clinical practice?

Prompt: Can you provide examples of situations where AI could complement or conflict with your clinical judgment?

Section 4: Ethical Considerations

4. Q4: What ethical concerns, if any, do you associate with the use of AI-powered diagnostic tools in physical therapy?

Prompt: Do you think these concerns could affect your willingness to use such tools?

Section 5: Personal Experiences with AI Tools

5. Q5: Have you had any personal experiences with AI-powered diagnostic tools? If so, were they positive or negative?

Prompt: Could you describe a specific case where an AI tool was used, and its impact on the outcome?

Section 6: Adoption and Integration

6. Q6: What factors might encourage physical therapists to adopt AI-powered diagnostic tools in their practice?

Prompt: Consider factors such as cost, training availability, trust in AI's accuracy, or time efficiency.

7. Q7: What do you see as the main challenges or barriers to integrating AI tools into clinical practice?

Prompt: Challenges might include resistance to change, lack of training, or limitations in AI technology.

8. Q8: What type of training or resources do you think would be necessary to effectively integrate AI tools into your practice?

Prompt: Do existing professional development programs address these needs, or is there a gap?