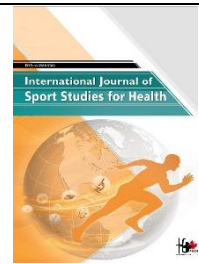




# International Journal of Sport Studies for Health

Journal Homepage






## Voices of Recovery: Patients' Experiences with AI-Assisted Stroke Rehabilitation

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E d i t o r	R e v i e w e r s
Pantelis Theo Nikolaidis  School of Health and Caring Sciences, University of West Attica, Athens, Greece l.youzbashi@znu.ac.ir	<b>Reviewer 1:</b> Mohammad Reza Khodabakhsh  Department of Psychology, Neyshabour Branch, Islamic Azad University, Neyshabour, Iran. Email :hodabakhsh@ut.ac.ir <b>Reviewer 2:</b> Seyed Mohammad Hosseini  Assistant Professor, Department of Health and Rehabilitation in Sports, Shahid Beheshti University, Tehran, Iran. Email: moh_hosseini@sbu.ac.ir

### 1. Round 1

#### 1.1 Reviewer 1

Reviewer:

The paragraph beginning with "Recent years have seen..." provides good technical context but lacks citations for the mention of "motion capture systems" and "intelligent feedback loops." Consider linking these with specific references from your list (e.g., {Reis, 2025 #233295} or {Kishor, 2025 #233297}).

The statement "Rehabilitation... is not merely a technical process but a deeply personal journey" is well-phrased but could be strengthened by linking it explicitly to humanistic or phenomenological theoretical traditions relevant to qualitative inquiry.

The participant description lacks details such as gender distribution, age range, or stroke severity. These details are important to assess the sample's representativeness and variation in responses.

The sentence "The interview protocol was developed based on a review of the literature..." would be stronger if an example of one or two key questions or themes were provided.

While memo writing and member checking are mentioned, consider elaborating on how reflexivity was practiced during the thematic analysis. This would help establish rigor from a qualitative epistemological standpoint.

Table 1 is informative but overly complex in its organization. Some subthemes (e.g., "Dependency on Technology" under "Human–Technology Interaction") might be better integrated into other categories or merged for clarity and parsimony.

Author revised the manuscript and uploaded the updated document.

## 1.2 Reviewer 2

Reviewer:

The sentence "Such an inquiry is especially relevant..." overlaps conceptually with the previous paragraph. Consider merging or rephrasing for more concise argument flow.

The paragraph introducing "dynamic functional connectivity" (starting with "Moreover, the neurobiological dimensions...") is insightful, but the leap to "ethical and psychological considerations" warrants more elaboration. What specific ethical issues (e.g., data privacy, decision-making autonomy) are implicated?

The claim that the study used an "interpretive paradigm" (under Study Design and Participants) could benefit from brief clarification: is this aligned with hermeneutic phenomenology or constructivist grounded theory? Clarifying this would improve methodological transparency.

While "Motivation and Hope" is clearly emphasized, there is less space given to individuals who may have become demotivated or resistant to the AI. Including more disconfirming evidence would strengthen credibility.

The point that "users sometimes react negatively to high levels of algorithmic transparency" is valuable. However, the emotional implications of this for older or technologically-inexperienced users are under-discussed.

In "...has shown statistically significant improvements in functional independence," be cautious with terminology—your study is qualitative, so reference to quantitative significance from other studies should be framed as context, not direct evidence for your claims.

Author revised the manuscript and uploaded the updated document.

## 2. Revised

Editor's decision after revisions: Accepted.

Editor in Chief's decision: Accepted.