Explaining Criteria of the Adaptive Model for Commercializing Academic Research with a Knowledge-based Employment Development Approach in the Health System

Sara. Mohammadi Zaer[1]*, Zahra. Anjomshoaa[2]*, Sanjar. Salajegheh[3], Akbar. Nazari[4], Zahra. Anjomshoa[2]

[1] PhD Student, Department of Management, Kerman Branch, Islamic Azad University, Kerman, Iran.
[2] Assistant Professor, Department of Management, Kerman Branch, Islamic Azad University, Kerman, Iran.
[3] Associate Professor, Department of Public Management, Kerman Branch, Islamic Azad University, Kerman, Iran.
[4] Associate Professor, Department of Pure Mathematics, Faculty of Mathematics and Computer, Shahid Bahonar University of Kerman, Kerman, Iran.

* Corresponding author email address: Saramohamadi1359@yahoo.com

Editor	Reviewers
Florence DiGennaro Reed Professor in the Department of Applied Behavioral Science, University of Kansas, US fdreed@ku.edu	**Reviewer 1:** Ali Sargolzaie Assistant Professor, Department of Management, Zahedan Branch, Islamic Azad University, Zahedan, Iran. Email: a.sargolzaie@iauzah.ac.ir **Reviewer 2:** Alireza Rajabipoor Meybodi Associate Professor, Department of Business Administration, Yazd University, Yazd, Iran Email: Rajabipoor@yazd.ac.ir

1. Round 1

1.1. Reviewer 1

Reviewer:

In the introduction, "The commercialization of academic research in the health and medical sectors holds promise due to the high demand for innovative solutions..." Please expand on specific gaps in existing literature that this study aims to address.

The methodology section states, "Theoretical sampling was used to select participants continuing until theoretical saturation was achieved." Please provide more detail on the criteria used for theoretical sampling and how saturation was determined.

In the methods section, "Grounded theory was utilized for data analysis in the qualitative section." Please elaborate on the specific grounded theory approach used (e.g., Glaserian or Straussian) and justify its suitability for this study.

The section on coding states, "The first stage of the thematic analysis method involves data collection and implementation." This statement is somewhat vague. Please provide a more detailed step-by-step description of the coding process used.

The section on constructing the thematic network states, "After reviewing and revising the themes and performing various classifications..." Please provide examples of how themes were classified and any criteria used to group them.

The section on regulatory compliance states, "Adherence to relevant regulations is essential..." Please provide specific examples of regulations relevant to the commercialization of medical research and how they impact the process.

The discussion mentions, "Evaluating the economic impact and outcomes of healthcare interventions..." Please provide more detailed methods and metrics used for this economic impact analysis.

In the section on interdisciplinary collaboration, "Encouraging interdisciplinary collaborations has become a strategic necessity..." Please provide examples of successful interdisciplinary collaborations and their outcomes.

The discussion states, "Health economics research becomes essential for understanding the broader implications..." Please provide specific methodologies or models used in health economics research within this study.

Authors revised the manuscript and uploaded the new document.

1.2. *Reviewer 2*

Reviewer:

The article mentions, "The statistical population included experts in the field of academic research commercialization and faculty members from medical universities in Iran." Please provide a justification for the sample size and selection criteria of 400 respondents.

In Table 1, "Summary of Extracted Codes from Each Interview," some codes are not sufficiently explained. Please provide a brief description or example for each code category (e.g., what does "Code A" specifically refer to?).

The validity and reliability of the data collection instrument are briefly mentioned. Please include detailed statistical methods and results used to test the validity and reliability, such as Cronbach's alpha for reliability and factor analysis for validity.

In the fuzzy Delphi analysis section, "Due to the limitation in the number of experts available..." Please clarify how the fuzzy Delphi method was implemented and provide more information on how consensus was achieved among experts.

In Table 3, the term "Defuzzified Mean" is used. Please explain this term and the methodology used to calculate it, ensuring it is accessible to readers unfamiliar with fuzzy logic.

The article states, "Public-private partnerships exemplify collaborative efforts..." Please include case studies or specific examples of public-private partnerships in the health sector and their impact on commercialization.

In the section on prototype development, "The process of prototype development involves the creation of functional models..." Please provide more detail on the stages of prototype development and any challenges encountered.

The article mentions, "Market access strategy, including planning for the introduction and distribution of products..." Please elaborate on specific strategies or frameworks used for market access and their effectiveness.

Authors revised the manuscript and uploaded the new document.

2. Revised

Editor's decision after revisions: Accepted.
Editor in Chief's decision: Accepted.