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| Journal Name: | [**Journal of Medicine and Health Research**](https://www.ikprress.org/index.php/JOMAHR) |
| Manuscript Number: | **Ms\_JOMAHR\_13601** |
| Title of the Manuscript: | **Medical SuperHyperStructure and Healthcare SuperHyperStructure** |
| Type of the Article | **Review article** |

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| **PART 1: Comments** | | |
|  | **Reviewer’s comment**  **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | **Author’s Feedback** (It is mandatory that authors should write his/her feedback here) |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.** | The manuscript introduces the concepts of *Hyperstructure* and *SuperHyperstructure*—mathematical constructs derived from iterated powersets—as applied to the domains of medicine and healthcare. The authors build a rigorous theoretical framework and then propose specialized structures: Medical HyperStructures (MHS) **and** Medical SuperHyperStructures (MSHS)**.** Through detailed definitions and examples (antibiotic stewardship, insulin titration, neuroimaging triage, anticoagulation initiation), they illustrate how hyperoperations could capture complex decision-making and hierarchical clinical relationships. The work is largely conceptual and aims to provide groundwork for future quantitative and empirical applications. | Many Thanks. |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **yes** | Many Thanks. |
| **Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.** | Extends abstract mathematical constructs (SuperHyperStructures) into the medical domain, which is unconventional and intellectually stimulating.  The paper is entirely conceptual with no simulation, case study, or data validation. This limits immediate practical relevance. | Regarding the abstract, I have fundamentally and concretely rewritten it based on the comments I received. |
| **Is the manuscript scientifically, correct? Please write here.** | Yes, but Heavy mathematical notation may deter clinicians or health policy researchers. Some sections (iterated powersets, (m,n)-SuperHyperStructures) are presented with minimal intuitive explanation. | I have also added several specific examples. |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | yes | Many Thanks. |
| **Is the language/English quality of the article suitable for scholarly communications?** |  | Many Thanks. |
| **Optional/General** comments | The manuscript presents a creative and mathematically rigorous framework, but it needs better accessibility, positioning, and application-oriented discussion to appeal to the broader medical and health research readership. | Many Thanks. |

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| **PART 2:** | | |
|  | **Reviewer’s comment** | **Author’s Feedback** (It is mandatory that authors should write his/her feedback here) |
| **Are there ethical issues in this manuscript?** | *(If yes, Kindly please write down the ethical issues here in detail)*  NO |  |