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| Book Name: | [**Medical Science: Trends and Innovations**](https://www.bookpi.org/bookstore/product/medical-science-trends-and-innovations-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_4700** |
| Title of the Manuscript:  | **The Use of the National Stressful Events Survey Acute Stress Disorder Short Scale (NSESSS) to assess the Prevalence and Predictability of Acute Stress Disorder in Trauma Patients** |
| Type of the Article | **Book Chapter** |

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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 *(Please correct the manuscript and highlight that part in the manuscript. 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.** | This manuscript is important for the scientific community as it highlights the challenges and gaps in assessing acute stress disorder (ASD) in trauma patients. While the study does not fully achieve its intended aim, it brings attention to methodological inconsistencies and areas that require further investigation, such as the reliability of the NSESSS tool in tracking treatment progress. Identifying these gaps is crucial for refining future research approaches and improving stress assessment methods in clinical practice. Despite its limitations, the study contributes to the ongoing discourse on ASD evaluation and underscores the need for more robust, standardized methodologies in this field. |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | To improve the title, consider making it more concise, clear, and engaging while maintaining key information. Here are a few refined options:1. **Assessing Acute Stress Disorder in Trauma Patients: The Role of the NSESSS Tool**
2. **The NSESSS Tool in Trauma Care: Assessing Acute Stress Disorder Prevalence and Prediction**
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| 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. | The abstract is methodologically well-written; however, it includes information that is not present in the main text (e.g., scale internal consistency and validity, some description of participants) or does not align with the content (e.g., the stated aim). |  |
| **Is the manuscript scientifically, correct? Please write here.**  | **No, comments are written below** |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.****-** | **References:*** Not all references are relevant to the topic.
* Some sources are outdated.

Different citation styles have been used inconsistently and should be standardized. |  |
| Is the language/English quality of the article suitable for scholarly communications? | Yes |  |
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| Optional/General comments | The study is interesting and potentially beneficial for practical applications.**Abstract/Introduction:**It would be beneficial to clarify why stress quantification is necessary in the context of acute injury. The introduction lacks essential background information on the current state of research. Most details regarding the prevalence of ASD in the population should be moved to the discussion section, where they can be compared with findings from other studies. Additionally, the introduction should clearly explain the relationship between trauma and ASD, the consequences of failing to assess stress, and provide examples where stress assessment and treatment have led to better trauma recovery. The knowledge gap, research problem, and unexplored aspects of this field should be explicitly stated.There is inconsistency in the study’s stated aim between the abstract and the introduction:* **Abstract:** *“We aim to assess the NSESSS's effectiveness in understanding trauma's impact on patient well-being, identifying patient improvement, and improving outcomes.”*
* **Introduction:** *“The purpose of this research is to assess the prevalence of ASD and the predictability of the NSESSS tool in assessing the treatment progress of ASD in trauma patients.”*

These need to be aligned for clarity and consistency.**Methodology:**The methodology lacks detail and clarity in several aspects:* How was the sample size determined?
* Why is the study period stated as 2021–2023 in the abstract, while the methodology section mentions only six months, with a sample size of just 27?
* The inclusion and exclusion criteria need to be explicitly stated.
* How was it ensured that the study measured only trauma-related stress, given that the scale assesses stress over the past seven days?
* Who determined whether an event qualified as an “extremely stressful event or experience” for inclusion? If this classification was made after a doctor’s visit or diagnosis, it should be explicitly included in the inclusion criteria.
* Was the instrument used after a clinical ASD diagnosis, or was it part of the initial assessment?

The methodology section would benefit from being divided into clearer subsections, such as:1. Study Design
2. Participants and Sample Size
3. Instruments
4. Outcomes
5. Statistical Analysis

Further concerns:* Were there exclusion criteria for prior stressful events before inclusion?
* There is no description of the statistical analysis used.

Additionally, the description of the study is inconsistent:* In the **methodology**, it is described as a *“single-center prospective study.”*
* In the **results**, it is referred to as *“a descriptive research study examining the relationship between acute stress disorder and the severity of symptoms.”*

**Results:*** There is no description of the study participants.
* The scientific writing style is lacking, and the tables are of poor quality. Abbreviations should be clearly explained.
* The results do not sufficiently address the study’s stated objectives.
* The predictive value of the NSESSS cannot be determined based on just a few comparisons between two measures.

**Discussion:**The discussion section reads more like a literature review. Instead of extensive theoretical background, it should focus on:* A concise overview of the observed results
* Interpretation of the findings
* Comparison with other studies

**Conclusion:**The conclusion is not sufficiently conclusive regarding the study’s purpose and findings. Additionally, limitations and future research directions should be moved to the end of the discussion section. |  |

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| **PART 2:**  |
|  | Reviewer’s comment | Author’s comment *(if agreed with the reviewer, correct the manuscript and highlight that part in the manuscript. 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)* |  |

**Reviewer details:**

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