



**SDI Review Form 1.6**

Journal Name:	<a href="#">International Neuropsychiatric Disease Journal</a>
Manuscript Number:	Ms_INDJ_44318
Title of the Manuscript:	EVALUATION OF BLINK REFLEX IN EARLY DIAGNOSIS OF CRANIAL NERVE NEUROPATHY IN GUILLAIN BARRE SYNDROME
Type of the Article	

**General guideline for Peer Review process:**

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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**PART 1: Review Comments**

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<b>Compulsory</b> REVISION comments	<p>The manuscript is a case control study of Blink Reflex to evaluate subclinical cranial neuropathy in the early Guillain Barre Syndrome (GBS). However, the authors did not describe the study as a prospective or retrospective study. The manuscript is lacking detailed information. Table 1 repeats the result in the text, with no additional information. In a small case controlled study, with only 5 cases in each group, percentage of normal/abnormal does not mean much. The readers may learn more if the authors present all data from each patient, including motor distal latency (DML), CMAP amplitude, motor nerve conduction velocity (MNCV), F-wave latency, and sensory nerve peak latency, amplitude and conduction velocity. Please consider using a figure to show a sample of Blink Reflex in a GBS patient and a control. The authors did not discuss the limitations of their study. Please see listed problems in the manuscript.</p> <ol style="list-style-type: none"> <li>1. Abstract: "Place and Duration of Study" What was the duration of the study?</li> <li>2. Abstract result: Should not use a numerical number at the beginning of the sentence.</li> <li>3. Abstract result: F wave "in 2 cases it was decreased" Do you mean prolonged F wave latency?</li> <li>4. Abstract Conclusion: "The abnormalities of Blink reflex most likely represent demyelination in either the facial and/or the trigeminal nerves reflecting the multifocal nature of demyelination in GBS". GBS is known as a generalized ascending demyelinating disease, not multifocal, such as multifocal motor neuropathy.</li> <li>5. INTRODUCTION, line 14: "GBS" should be "Guillain Barre Syndrome (GBS)". All abbreviation should spell out when it appears in the text first time.</li> <li>6. INTRODUCTION, line 19: "Electrodiagnosis plays an important role in early detection and characterization of inflammatory..." Electrodiagnostic studies can only diagnose of demyelinating or axonal neuropathy, not etiology, such inflammatory or not.</li> <li>7. INTRODUCTION, line 23: "CNAP's". What is it?</li> <li>8. MATERIAL AND METHODS, line 44: "There was no issue of ethical committee approval during this study as the patients were referred to dept of Medicine of our institute." In neurophysiology laboratory, all studies were referred in clinical practice. However, for scientific research, all case controlled studies need institutional review board (IRB) approval. If it is a prospective study, participates need an informed consent. In retrospective study, a research study needs IRB approval to protect patients' privacy.</li> <li>9. MATERIAL AND METHODS, line 44: "F wave conduction velocity" should be F wave latency.</li> <li>10. MATERIAL AND METHODS, line 75: "Data were statistically described". What statistic test was used?</li> <li>11. MATERIAL AND METHODS, line 76: "Mean+- SD" should be Mean<math>\pm</math> SD.</li> <li>12. RESULTS should be re-written. The authors should describe their results instead of listing and repeating results as Table 1.</li> <li>13. RESULTS, line 88-89: "Increased distal motor latency was seen in 4 patients for both median and ulnar nerves had normal DML". What does this mean?</li> <li>14. RESULTS, line 94: "SCV" abbreviation should be spelled out when it appears in the text for the first time.</li> <li>15. RESULTS, line 98: "decreased F wave conduction velocity" should be prolonged F wave latency.</li> <li>16. RESULTS, line 101-103: "There was statistically significant increase in R1 latency in all 5 patients. On both left and right side as compared to control group". Grammatically unclear.</li> </ol>	<ol style="list-style-type: none"> <li>1. The duration of study was 6 months.</li> <li>2. Corrected as suggested</li> <li>3. Yes it means prolonged F wave latency</li> <li>4. GBS is a demyelinating polyradiculoneuropathy. Ropper et al (reference number 20) have stated that " the abnormalities of blink reflex most likely represent Demyelination in either the facial and/or trigeminal nerves, reflecting the multifocal nature of Demyelination on GBS".</li> <li>5. Full form of GBS mentioned before abbreviation as suggested</li> <li>6. Electrodiagnosis is useful for early diagnosis of the various subtypes of GBS and the treatment outcome.</li> <li>7. CNAP means compound nerve action potential. The full form has now been added to the corrected paper.</li> <li>8. The department of Physiology is routinely doing electrodiagnostic tests on referred patients form departments of Medicine, orthopaedics, etc directly from the OPD for the same. There is as such no issue of ethical clearance as these patients are those who report in the clinical OPDs for diagnosis and treatment.</li> <li>9. Corrections done accordingly</li> <li>10. Mean <math>\pm</math> standard deviation have already been mentioned. Students T test was employed and resultant P values have been mentioned.</li> <li>11. Corrected as suggested</li> <li>12. Results have already been described from line 79 to 101. The table is used for a quick reference of the results and to highlight the same.</li> <li>13. The line was a mistype. Corrected as "Increased distal motor latency (DML) was seen in 4 patients for both median and ulnar nerves while one had normal DML"</li> <li>14. Corrected as suggested</li> <li>15. Mistyped as decreased. Corrected to increased.</li> <li>16. Grammatical error. Corrected.</li> <li>17. Corrected</li> <li>18. Mistyped. Split into two sentences to make it clearer.</li> <li>19. I agree that these results also point to possible subclinical involvement of the trigeminal nerve. So added to this line.</li> <li>20. Corrected as suggested.</li> <li>21. Institute's name omitted from line 44.</li> </ol>



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	<p>17. Discussion, line 108:“early Demyelination” should be early demyelination.</p> <p>18. Discussion, line 113-115:“Prolonged distal motor latencies and prolonged or absent F waves reflect early predilection for involvement of proximal spinal roots and distal motor terminals upper limb SNAP’s particularly of the median nerve can be affected more severely and earlier than those of sural nerve”. Grammatically unclear.</p> <p>19. Discussion, line 123-124: “blink reflexes might be abnormal in some GBS patients with apparently normal facial strength suggesting subclinical involvement of facial nerve”. With this data, the prolonged R1, R2i and R2e bilaterally, the abnormalities are not limited to facial nerve, but can be also involve the trigeminal nerve.</p> <p>20. Discussion line126: “AIDP” abbreviation is not spell out when it appears in the text for first time.</p> <p>21. ETHICAL APPROVAL line 159: “There was no issue of Ethical Committee approval” See above as line 44.</p>	
<b>Minor</b> REVISION comments		
<b>Optional/General</b> comments		

**PART 2:**

	<b>Reviewer’s comment</b>	<b>Author’s comment</b> <i>(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<b>Are there ethical issues in this manuscript?</b>	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	