

## Review Form 1.6

Journal Name:	<a href="#">Journal of Pharmaceutical Research International</a>
Manuscript Number:	Ms_JPRI_79084
Title of the Manuscript:	Spinal cord injuries in Emergency Medicine
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:

<https://www.journaljpri.com/index.php/JPRI/editorial-policy>

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**PART 1: Review Comments**

	<b>Reviewer's comment</b>	<b>Author's comment</b> (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>As is correctly stated SCI is a worldwide problem – hence the Introduction section needs inclusion in a final paragraph of the challenges faced by low and middle income countries (LMICs) with limited care resources. You should outline here measures that can be followed in LMICs where comprehensive care of those injured as outlined in this paper is rarely available. This situation makes prevention all the more essential and dissemination of support strategies families can provide post injury. Measures to include can be references as Stothers L, et al. Traumatic Spinal Cord Injury in Uganda: a prevention strategy and mechanisms to improve home care. Int J Epidemiol. 46(4): 1086-90. 2017. doi; 10.1093/ije/dyx058 (2017).</p> <p>I agree on you initial care approaches but feel that to be comprehensive you also need a specific statement on the negative impact of hypotension in those with traumatic injuries (especial head injury but also SCI), and some additions on options for therapy (see below). The need for hemodynamic stability/negative impact of hypotension should be added to the abstract.</p> <p>In the etiology and pathophysiology section you need a sentence in the fourth paragraph on secondary injury of the role of ischemia and hypoxia post injury, as these are major contributors to secondary damage after SCI. e.g. as in your Reference 15 which you can cite here - Dumont RJ et al. Acute spinal cord injury, part I: pathophysiologic mechanisms. Clinical neuropharmacology. 24(5):254-64. 2001</p> <p>In the section on Management you should go further and include a paragraph on the option for a care team to consider the therapeutic approach of elevating mean arterial pressure (MAP) with the aim of optimizing perfusion and oxygenation at the site of cord injury in the hope of improving recovery – the current guidelines for maintaining MAP, and pros and cons of therapy to elevate it further should be mentioned – a suitable section on hemodynamic management after acute SCI that you can paraphrase and then reference is: Rashnavadi T et al. Monitoring spinal cord hemodynamics and tissue oxygenation: a review of the literature with special focus on the near-infrared spectroscopy technique. Spinal Cord. 57(8): 617-25.2019 .</p> <p>(The potential for spinal cord hemodynamics to be monitored in real time in the future is also covered in this paper. I do not think you need to go into this but papers like yours are always that much more interesting for readers if future directions to improve care are included for their education).</p> <p>Do a spell/grammar check – a sentence in the paragraph on methyl prednisolone needs an a – to read 'However, <u>a</u> new study has found ...'</p> <p>Please also add the need to anticipate/prevent/treat hypotension to the Conclusion.</p>	
<b>Minor</b> REVISION comments		
<b>Optional/General</b> comments	<p>you could consider adding a few sentences before or in the last paragraph on the need for psychological support for patients with SCI in the acute phase (and communication with family – especially their role in positive thinking and subsequent rehabilitation).</p>	

**PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> (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>Are there ethical issues in this manuscript?</b>	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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**Reviewer Details:**

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