

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Clinical Cases

**Manuscript NO:** 57337

**Title:** Neuropathy and chloracne induced by 3, 5, 6-trichloropyridin-2-ol sodium. Report of 3 cohort cases

**Reviewer's code:** 05038589

**Position:** Editorial Board

**Academic degree:** BPharm, MD, MSc, PhD

**Professional title:** Assistant Professor

**Reviewer's Country/Territory:** Egypt

**Author's Country/Territory:** China

**Manuscript submission date:** 2020-06-09

**Reviewer chosen by:** Xi-Fang Chen (Part-Time Editor)

**Reviewer accepted review:** 2020-10-29 03:45

**Reviewer performed review:** 2020-10-29 03:52

**Review time:** 1 Hour

<b>Scientific quality</b>	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
<b>Language quality</b>	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
<b>Conclusion</b>	<input type="checkbox"/> Accept (High priority) <input checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Re-review</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>Peer-reviewer statements</b>	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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## **SPECIFIC COMMENTS TO AUTHORS**

Well written manuscript

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**Manuscript NO:** 57337

**Title:** Neuropathy and chloracne induced by 3, 5, 6-trichloropyridin-2-ol sodium. Report of 3 cohort cases

**Reviewer's code:** 05400386

**Position:** Peer Reviewer

**Academic degree:** MSc

**Professional title:** Academic Research, Research Fellow

**Reviewer's Country/Territory:** India

**Author's Country/Territory:** China

**Manuscript submission date:** 2020-06-09

**Reviewer chosen by:** Xi-Fang Chen (Part-Time Editor)

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**Reviewer performed review:** 2020-11-05 09:57

**Review time:** 1 Hour

<b>Scientific quality</b>	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
<b>Language quality</b>	<input checked="" type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
<b>Conclusion</b>	<input type="checkbox"/> Accept (High priority) <input checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Re-review</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Peer-reviewer statements</b>	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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#### **SPECIFIC COMMENTS TO AUTHORS**

good work

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**Name of journal:** World Journal of Clinical Cases

**Manuscript NO:** 57337

**Title:** Neuropathy and chloracne induced by 3, 5, 6-trichloropyridin-2-ol sodium. Report of 3 cohort cases

**Reviewer's code:** 00505284

**Position:** Peer Reviewer

**Academic degree:** PhD

**Professional title:** Director, Associate Professor

**Reviewer's Country/Territory:** United States

**Author's Country/Territory:** China

**Manuscript submission date:** 2020-06-09

**Reviewer chosen by:** Xi-Fang Chen (Part-Time Editor)

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**Reviewer performed review:** 2020-11-10 20:01

**Review time:** 12 Days

<b>Scientific quality</b>	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
<b>Language quality</b>	<input type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input checked="" type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
<b>Conclusion</b>	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Re-review</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Peer-reviewer statements</b>	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

## **SPECIFIC COMMENTS TO AUTHORS**

**Title:** Chloracne induced by 3, 5, 6-Trichloropyridin-2-ol sodium is still a disease worthy of great attention---case report Suggest the title be changes to reflect the focus or the report as well as the fact that these cases further confirming the putative toxicity of STCP (Richardson 1995) in 3 males post unprotected exposure; such as “Neuropathy and chloracne induced by 3, 5, 6-trichloropyridin-2-ol sodium. Report of 3 cohort cases.”

**Core tip:** My need to be rewritten... May be shortened. Omit sentence 2. Rewrite sentence 3 (“development of science”, not sure what the authors mean). **Abstract:** Suggest focusing the Background on the known neurotoxicity and chloracne of STSP as well as halogenated aromatic insecticides for a more general audience. Suggest the case summary include the age, sex, and time to symptoms post exposure for each case. (Note the photos shows multiple lesions mostly in the genital area not the scrotum). Treatment is confusing; Suggest... The patients were prescribed oral viaminate capsules, topical adapalene gel and regular hematologic follow up for AST (spell out acronym as aspartate transaminase- first reference) and lipids. In the absence of a specific pathologic mechanism, but advances in treatment options the conclusion should underscore the importance of physician awareness of neuropathy and chloracne associated with STCP exposure. **Key words:** Background: Recommend shortening by about a third by consolidating the chronologic reports of the incidence of chloracne associated with occupational exposure to related halogenated aromatic compounds. **Case presentation:** The authors can make the text flow more smoothly if the individual cases are referenced in Table 1 and the common symptoms of all cases are presented. Then address differences in symptoms and coordinate the Figure 1 images with the correctly identified case. Note the clinical symptoms in Table 1 of patient 1 do not include the genital lesions shown in Figure 1. Specifically identify the patient having

the persistent symptoms. Discussion: What are some other possible explanations in addition to lack of PPE and physical condition (all the same) for the diversity in incubation period, symptoms, labs, and persistence after short exposure. See dose effect (Albers et al., 2007) Suggest the following change to Discussion line 8-11... Based on the history of unprotected acute exposure to chloracneogenic substances, clinical manifestations, dermoscopic findings, biopsy results, and career identification results at our hospital, a diagnosis of chloracne due to STCP toxicity was made in the these 3 patients. However, toxic levels of STCP... Table: Add distribution of lesions to patient 1's narrative. Figures: Figures 2 and 3 do not identify the specific patient(s) providing the image or pathology. Additional references for consideration: Wu N, Hao F, Yu X. Peripheral nerve and skin damage associated with working in a STCP factory: report of four cases. Clin Toxicol (Phila). 2012 Jul;50(6):514-7. doi: 10.3109/15563650.2012.696200. Epub 2012 Jun 18. PMID: 22702901. Albers JW, Garabrant DH, Mattsson JL, Burns CJ, Cohen SS, Sima C, Garrison RP, Richardson RJ, Berent S. Dose-effect analyses of occupational chlorpyrifos exposure and peripheral nerve electrophysiology. Toxicol Sci. 2007 May;97(1):196-204. doi: 10.1093/toxsci/kfm028. Epub 2007 Feb 25. PMID: 17324952. Richardson RJ. Assessment of the neurotoxic potential of chlorpyrifos relative to other organophosphorus compounds: a critical review of the literature. J Toxicol Environ Health. 1995 Feb;44(2):135-65. doi: 10.1080/15287399509531952. PMID: 7531775. Bock KW. Toward elucidation of dioxin-mediated chloracne and Ah receptor functions. Biochem Pharmacol. 2016;112:1-5. Doi: 10.1016/j.bcp.2016.01.010.