



Letter to the Editor

Comment on “Intoxication by hand sanitizer due to delirium after infectious spondylitis surgery during the COVID-19 pandemic: A case report and literature review”


In a recent article in Int J Surg Case Rep [1], Lim refers to “creatinine kinase” (sic) in the article keywords.

Rather than “creatinine kinase”, presumably the author was instead referring to the enzyme creatine kinase. Creatine kinase (also known as creatine phosphokinase) catalyses the reversible phosphorylation of creatine to phosphocreatine, is frequently measured as a marker of muscle damage, and is commonly abbreviated as “CK” [2]. Creatinine is neither a product nor substrate for creatine kinase and is instead formed from creatine and phosphocreatine via non-enzymatic reactions.

The mistake of referring to creatine kinase as creatinine kinase is common in the medical literature. It is likely that most readers understood the author as they intended. However, this misspelling has the potential to cause confusion, can complicate literature searches, and may result in a loss of reader confidence in what might otherwise be a high-quality publication.

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Nick Flynn is sole author.

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Guarantor

Nick Flynn.

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References

- [1] D.J. Lim, Intoxication by hand sanitizer due to delirium after infectious spondylitis surgery during the COVID-19 pandemic: a case report and literature review, Int. J. Surg. Case Rep. 77 (2020) 76–79, <http://dx.doi.org/10.1016/j.ijscr.2020.10.086>, Epub 2020 Oct 27.
- [2] M. Wyss, R. Kaddurah-Daouk, Creatine and creatinine metabolism, Physiol. Rev. 80 (July (3)) (2000) 1107–1213, <http://dx.doi.org/10.1152/physrev.2000.80.3.1107>.

Nick Flynn

Department of Clinical Biochemistry, Cambridge
University Hospitals NHS Foundation Trust, Hills
Road, Cambridge, CB2 0QQ, United Kingdom
E-mail address: nick.flynn@nhs.net

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