

ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Pediatrics

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Title: Caffeine Therapy in Preterm Infants

Reviewer's code: 00742209

Reviewer's country: United States

Science editor: Xue-Mei Gong

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| CLASSIFICATION | LANGUAGE EVALUATION | SCIENTIFIC MISCONDUCT | CONCLUSION |
|---|--|--|--|
| <input type="checkbox"/> Grade A: Excellent | <input type="checkbox"/> Grade A: Priority publishing | Google Search: | <input type="checkbox"/> Accept |
| <input type="checkbox"/> Grade B: Very good | <input type="checkbox"/> Grade B: Minor language polishing | <input type="checkbox"/> The same title | <input type="checkbox"/> High priority for publication |
| <input type="checkbox"/> Grade C: Good | <input type="checkbox"/> Grade C: A great deal of language polishing | <input type="checkbox"/> Duplicate publication | <input type="checkbox"/> Rejection |
| <input type="checkbox"/> Grade D: Fair | <input type="checkbox"/> Grade D: Rejected | <input type="checkbox"/> Plagiarism | <input type="checkbox"/> Minor revision |
| <input type="checkbox"/> Grade E: Poor | | <input type="checkbox"/> No | <input type="checkbox"/> Major revision |
| | | BPG Search: | |
| | | <input type="checkbox"/> The same title | |
| | | <input type="checkbox"/> Duplicate publication | |
| | | <input type="checkbox"/> Plagiarism | |
| | | <input type="checkbox"/> No | |

COMMENTS TO AUTHORS

Clarify the frequency of the maintenance dose for caffeine (10mg/kg/? caffeine base) (para 2, Section on Caffeine vs theophylline / dosage) Clarify the comparator for the NNT : 3 in infants less than 28 weeks and treated with high dose therapy (para 1, Section on Prevention of extubation failure) Consider using "adverse effects" instead of "side effects" for clarity (see conclusion and table 1) Note. Methylxanthines can increase the secretion of gastrin (para 1, Section on Gastrointestinal) Feurle G, Arnold R, Helmst?dter V, Creutzfeldt W. The effect of intravenous theophylline ethylenediamine on serum gastrin concentration in control subjects and patients with duodenal ulcers and Zollinger-Ellison syndrome. Digestion. 1976;14(3):227-31. (PMID: 955329) In the conclusion, clarify the "therapeutic window" under the section on Dosage in the manuscript In the conclusion, state "efficacy of caffeine therapy" instead of "value of caffeine therapy" for infants older than 34 wks gestation Table 1. -Clarify the frequency of the maintenance dose for caffeine and theophylline -Use dysrhythmia instead of arrhythmia under adverse effects for caffeine and theophylline -Under metabolism, clarify the difference between caffeine and theophylline in neonates. For example, caffeine and theophylline undergo N-demethylation via CYP1A2, but theophylline



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undergoes 8-hydroxylation via CYP1A2 and CYP2E1. Would place “elimination” beneath “inter-conversion” and delete excreted unchanged under metabolism -Provide a reference for the reported clearances for caffeine and theophylline Table 2. Use the past tense in the column for “main results” and consider including the country of the study for the various trials