Reviewer’s report

Title: Pseudoinfarction pattern in a patient with hyperkalemia, diabetic ketoacidosis, and normal coronary vessels: a case report

Version: 1 Date: 26 January 2009

Reviewer: Christos Savopoulos

Which of the following following best describes what type of case report this is?: Findings that shed new light on the possible pathogenesis of a disease or an adverse effect

Has the case been reported coherently?: Yes

Is the case report authentic?: Yes

Is the case report ethical?: Yes

Is there any missing information that you think must be added before publication?: No

Is this case worth reporting?: Yes

Is the case report persuasive?: Yes

Does the case report have explanatory value?: Yes

Does the case report have diagnostic value?: Yes

Will the case report make a difference to clinical practice?: Yes

Is the anonymity of the patient protected?: Yes

Comments to authors:

The authors report an interesting case of a patient with diabetic ketoacidosis and hyperkalaemia whose initial electrocardiogram showed a pseudoinfarction pattern, but an urgent coronary angiogram revealed normal coronary arteries. The paper is well structured and written. The conclusion of the paper: “With the current emphasis on reducing “door to needle” times for thrombolysis or primary PCI...” is helpful for every day clinical practice both for cardiologists and emergency department doctors. Furthermore, the case sheds new light into the pathophysiologic mechanism of this rare ECG manifestation of hyperkalemia, as it excludes coronary spasm as a possible mechanism.

Comment 1. Was there any other treatment administered to the patient for
hyperkalemia: for example diuretics (furosemide), calcium gluconate, etc.
Comment 2. The authors should explain why they proceeded to urgent angiography before complete correction of metabolic abnormalities.
Comment 3. In the last paragraph of the case presentation the authors should change instead his to her.

Quality of written English: Acceptable

Declaration of competing interests:
I declare that I have no competing interests'