



Letter to the Editor

In response to article entitled “Coronary spasm and hypersensitivity to amoxicillin: Kounis or not Kounis syndrome?”

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Abstract

The concurrence of acute coronary syndrome with amoxicillin/clavulanic acid intake has been defined as Kounis syndrome. There are some controversial factors which may effect this circumstance. Particularly, the condition which triggers the coronary vasospasm may mimic this syndrome. Furthermore, in the present case, an allergic study had been performed, showing hypersensitivity to penicillin and beta-lactamic agents that ruled out the role of amoxicillin administration.

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Keywords: Kounis syndrome; Amoxicillin

I have recently read the manuscript, numbered IJC-D-07-01013 and entitled “Coronary Spasm And Hypersensitivity To Amoxicillin: Kounis Or Not Kounis Syndrome?” [1]. A patient with chronic metabolic acidosis because of ureteroileourethrostomy had suffered three episodes of documented vasospastic angina, two of them related to amoxicillin administration; however, worsening of metabolic acidosis was found in all three episodes. I have considered that the present case was the borderline because all episodes were associated with metabolic acidosis impairments. However, we have not ruled out the role of amoxicillin administration. I believed that the patient was highly sensitive to vasospasm in his coronary arteries. Similar ischemic attack was also reported without drug administration. His vasospasm was

quickly resolved responding to sublingual nitroglycerin administration in all episodes. Furthermore, in the present case, an allergic study had been performed, showing hypersensitivity to penicillin and beta-lactamic agents. The ischemic attacks did not continued longer and myocardial injury did not existed. Therefore, this condition reminds that amoxicillin administration may have a role in triggering vasospasm in coronary arteries instead of primarily cause.

Reference

- [1] D.V. Balcones, J.C.G. Rubira, J.C.G. Ortiz, C.M. Miguel. Coronary spasm and hypersensitivity to amoxicillin: Kounis or not Kounis syndrome? *Int J Cardiol* (in submission, number: IJC-D-07-01013).

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