

■ Clopidogrel resistance - an overview

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Despite the presence of novel and more potent P2Y₁₂ receptor blockers on the market for more than five years, clopidogrel is still often used in patients with acute coronary syndrome undergoing percutaneous coronary intervention.¹ It is known that clopidogrel exhibits variable platelet inhibition which affects patient outcome. So called clopidogrel resistance or high on-treatment platelet reactivity on clopidogrel has interested many since it was first described more than ten years ago. How relevant is it today? What do we really need to know about clopidogrel resistance?

In this presentation, an overview of relevant studies will be highlighted as well as experts' position on this phenomenon and future perspectives in antiplatelet management.

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LITERATURE

1. Tantry US, Bonello L, Aradi D, Price MJ, Jeong YH, Angiolillo DJ, et al; Working Group on On-Treatment Platelet Reactivity. Consensus and update on the definition of on-treatment platelet reactivity to adenosine diphosphate associated with ischemia and bleeding. *J Am Coll Cardiol* 2013;62:2261-73. **DOI:** <http://dx.doi.org/10.1016/j.jacc.2013.07.101>