

# Clinical trials of antithrombotics for percutaneous coronary intervention in patients with high residual platelet activity on clopidogrel

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## 1 dual antiplatelet therapy

Trial	Treatments	Patients	Trials design and methods
<b>Monitoring Adjusted Antiplatelet Treatment vs Common Antiplatelet Treatment</b>			
<b>ARTIC adjusted</b> <i>ongoing</i> n=NA	-	-	
<b>high-dose clopidogrel vs normal-dose clopidogrel</b>			
<b>GRAVITAS</b> , 2011 [NCT00645918] n=1109/1105 follow-up: 6 months	High-dose clopidogrel (600-mg initial dose, 150 mg daily thereafter) versus regular clopidogrel dose	patients receiving drug-eluting stents with high residual platelet activity (PRU $\geq$ 230) on the regular clopidogrel dose (platelet-function tests with the VerifyNow assay 12 to 24 hours after PCI)	Parallel groups open North America

## References

### ARTIC adjusted, :

Collet JP, Cuisset T, Rang G, Cayla G, Elhadad S, Pouillot C, Henry P, Motreff P, Carri D, Boueri Z, Belle L, Van Belle E, Rousseau H, Aubry P, Monngu J, Sabouret P, O'Connor SA, Abtan J, Kerneis M, Saint-Etienne C, Barthlmy O, Beygui F, Silvain J, M Bedside Monitoring to Adjust Antiplatelet Therapy for Coronary Stenting. N Engl J Med 2012 Nov 4; [23121439] [10.1056/NEJMoa1209979](https://doi.org/10.1056/NEJMoa1209979)

### GRAVITAS, 2011:

Price MJ, Berger PB, Teirstein PS, Tanguay JF, Angiolillo DJ, Spriggs D, Puri S, Robbins M, Garratt KN, Bertrand OF, Stillablower ME, Aragon JR, Kandzari DE, Stinis CT, Lee MS, Manoukian SV, Cannon CP, Schork NJ, Topol EJ Standard- vs high-dose clopidogrel based on platelet function testing after percutaneous coronary intervention: the GRAVITAS randomized trial. JAMA 2011 Mar 16;305:1097-105 [[21406646](https://doi.org/10.1001/jama.2011.290)] [10.1001/jama.2011.290](https://doi.org/10.1001/jama.2011.290)

## 2 thienopyridine

Trial	Treatments	Patients	Trials design and methods
<b>prasugrel vs Clopidogrel</b>			
<b>TRIGGER-PCI</b> <i>ongoing</i> [NCT00910299] n=NA follow-up: 6 months	prasugrel one time 60-mg oral loading dose and 10-mg once daily oral maintenance dose up to 6 months versus clopidogrel 75-mg oral daily maintenance dose up to 6 months	patients With High Platelet Reactivity on Clopidogrel Following Elective Percutaneous Coronary Intervention With Implantation of Drug-Eluting Stent	Parallel groups double blind

## References

TRIGGER-PCI, :

### 3 About TrialResults-center.org

TrialResults-center is an innovative knowledge database that collects the results of RCTs and provides dynamic interactive systematic reviews and meta-analysis in the field of all major heart and vessels diseases.

The TrialResults-center database provides a unique view of the treatment efficacy based on all data provided directly from clinical trial results, offering a valuable alternative to personal bibliographic search, published meta-analysis, etc. Furthermore, it would allow comparing easily the various concurrent therapeutic for the same clinical condition.

Rigorous meta-analysis method is used to populate TrialResults-center: widespread search of published and non published trials, study selection using pre-specified criteria, data extraction using standard form.

TrialResults-center is continually updated on a weekly basis. We continually search all new results (whatever their publication channel) and these news results are immediately added to the database with a maximum of 1 week.

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