

# Clinical trials of dual antiplatelet therapy for stent in all type of patients

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## 1 6 months DAPT

| Trial  | Treatments   | Patients  | Trials design and methods       |
|--|--|---|---------------------------------|
| <b>6-month dual antiplatelet therapy vs 12 months dual antiplatelet</b>  |  |   |                                 |
| <b>EXCELLENT , 2011</b><br>[NCT00698607]<br>n=721/722<br>follow-up:      | dual antiplatelet therapy for six months<br>versus<br>dual antiplatelet therapy for one year | patients with coronary artery disease   |                                 |
| <b>6 months DAPT vs 24 months DAPT</b>                                   |  |   |                                 |
| <b>ITALIC ongoing</b><br>[NCT01476020]<br>n=NA                           | -  | -   |                                 |
| <b>12 months dual antiplatelet vs 6 months dual antiplatelet</b>         |  |   |                                 |
| <b>ISAR-SAFE , 2009</b><br>[NCT00661206]<br>n=NA<br>follow-up: 12 months | additional 6 month period of clopidogrel<br>versus<br>placebo                                | Patients on clopidogrel therapy at least 6<br>months after DES implantation, who do not<br>require a reintervention | Parallel groups<br>double blind |

## References

### EXCELLENT, 2011:

Gwon HC, Hahn JY, Park KW, Song YB, Chae IH, Lim DS, Han KR, Choi JH, Choi SH, Kang HJ, Koo BK, Ahn T, Yoon JH, Jeong MH, Hong TJ, Chung WY, Choi YJ, Hur SH, Kwon HM, Jeon DW, Kim BO, Park SH, Lee NH, Jeon HK, Jang Y, Kim HS Six-month versus 12-month dual antiplatelet therapy after implantation of drug-eluting stents: the Efficacy of Xience/Promus Versus Cypher to Reduce Late Loss After Stenting (EXCELLENT) randomized, multicenter study. *Circulation* 2012;125:505-13 [[22179532](#)] [10.1161/CIRCULATIONAHA.111.059022](#)

### ITALIC, :

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### ISAR-SAFE, 2009:

Byrne RA, Schulz S, Mehilli J, Iijima R, Massberg S, Neumann FJ, ten Berg JM, Schmig A, Kastrati A Rationale and design of a randomized, double-blind, placebo-controlled trial of 6 versus 12 months clopidogrel therapy after implantation of a drug-eluting stent: The Intracoronary Stenting and Antithrombotic Regimen: Safety And Efficacy of 6 Months Dual Antiplatelet Therapy After Drug-Eluting Stenting (ISAR-SAFE) study. *Am Heart J* 2009 Apr;157:620-4.e2 [[19332187](#)] [10.1016/j.ahj.2008.12.019](#)

## 2 dual antiplatelet therapy

| Trial  | Treatments   | Patients   | Trials design and methods                |
|--|--|--|--|
| <b>clopidogrel+aspirin vs aspirin</b>  |  |  |  |
| REAL-LATE, ZEST-LATE , 2010<br>[NCT00484926]<br>n=1357/1344<br>follow-up: 19.2 months  | clopidogrel plus aspirin<br>versus<br>aspirin alone  | patients who had received drug-eluting stents and had been free of major adverse cardiac or cerebrovascular events and major bleeding for a period of at least 12 months                                 | Parallel groups<br>open<br>South Korea   |
| <b>Endeavor stent and three months of DAPT vs standard 12-month DAPT and other DES</b> |  |  |  |
| RESET<br>[NCT01145079]<br>n=NA<br>follow-up:   | -  | -  | -  |
| <b>Monitoring Adjusted Antiplatelet Treatment vs Common Antiplatelet Treatment</b>     |  |  |  |
| ARTIC adjusted <i>ongoing</i><br>n=NA  | -  | -  | -  |
| <b>high-dose clopidogrel vs normal-dose clopidogrel</b>                                |  |  |  |
| GRAVITAS , 2011<br>[NCT00645918]<br>n=1109/1105<br>follow-up: 6 months                 | High-dose clopidogrel (600-mg initial dose, 150 mg daily thereafter)<br>versus<br>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<br>open<br>North America |

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## References

### REAL-LATE, ZEST-LATE, 2010:

Park SJ, Park DW, Kim YH, Kang SJ, Lee SW, Lee CW, Han KH, Park SW, Yun SC, Lee SG, Rha SW, Seong IW, Jeong MH, Hur SH, Lee NH, Yoon J, Yang JY, Lee BK, Choi YJ, Chung WS, Lim DS, Cheong SS, Kim KS, Chae JK, Nah DY, Jeon DS, Seung KB, Jang JS, Park HS, Le Duration of dual antiplatelet therapy after implantation of drug-eluting stents. *N Engl J Med* 2010;362:1374-82 [20231231] [10.1056/NEJMoa1001266](https://doi.org/10.1056/NEJMoa1001266)

### RESET, :

Hong M-K A new strategy for discontinuation of dual antiplatelet therapy: real safety and efficacy of 3-month dual antiplatelet therapy following zotarolimuseluting stent implantation: RESET trial Presented at: American College of Cardiology Scientific Session; 2012, March 24; Chicago, IL

### 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] [10.1001/jama.2011.290](https://doi.org/10.1001/jama.2011.290)

## 3 prolonged dual antiplatelet therapy

| Trial   | Treatments  | Patients   | Trials design and methods              |
|---|---|--|--|
| <b>24 months of dual antiplatelet treatment vs 6 months dual antiplatelet</b>                   |   |  |  |
| <b>PRODIGY</b> , 2011<br>[NCT00611286]<br>n=NA<br>follow-up: 2 years                            | 24 months of dual antiplatelet treatment (clopidogrel plus aspirin)<br>versus<br>6 months of dual antiplatelet treatment (clopidogrel plus aspirin)   | patients (74 with acute coronary syndromes and 26 with stable angina) who underwent stenting   | Parallel groups<br>open                |
| <b>18 months dual antiplatelet vs 12 months dual antiplatelet</b>                               |   |  |  |
| <b>ARTIC (extended dual antiplatelet)</b> <i>ongoing</i><br>[NCT00827411]<br>n=NA<br>follow-up: | Pursuit of a dual oral antiplatelet therapy (aspirin and clopidogrel) beyond one year<br>versus<br>Interruption of clopidogrel therapy after one year | -  |  |
| <b>prolonged dual antiplatelet therapy vs 12 months dual antiplatelet</b>                       |   |  |  |
| <b>DES-LATE</b> , 2010<br>[NCT00484926]<br>n=1357/1344<br>follow-up: 19.2 mo                    | dual antiplatelet therapy (clopidogrel plus aspirin)<br>versus<br>aspirin alone   | patients who had received drug eluting stents and had been free of major adverse cardiac or cerebrovascular events and major bleeding for a period of at least 12 months | Parallel groups<br>open<br>South Korea |
| <b>OPTIMIZED</b> <i>ongoing</i><br>n=NA   | -   | -  |  |
| <b>DAPT</b> <i>ongoing</i><br>[NCT00977938]<br>n=20645<br>follow-up:                            | additional 18 months of thienopyridine treatment<br>versus<br>placebo   | Subjects Undergoing Percutaneous Coronary Intervention With Either Drug-eluting Stent or Bare Metal Stent Placement for the Treatment of Coronary Artery Lesions         |  |

## References

### PRODIGY, 2011:

Valgimigli M, Campo G, Monti M, Vranckx P, Percoco G, Tumscitz C, Castriota F, Colombo F, Tebaldi M, Fuc G, Kubbaheh M, Cangiano E, Minarelli M, Scalone A, Cavazza C, Frangione A, Borghesi M, Marchesini J, Parrinello G, Ferrari R Short- versus long-term duration of dual-antiplatelet therapy after coronary stenting: a randomized multicenter trial. *Circulation* 2012;125:2015-26 [22438530] [10.1161/CIRCULATIONAHA.111.071589](https://doi.org/10.1161/CIRCULATIONAHA.111.071589)

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### OPTIMIZED, :

### DAPT, :

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## 4 prolonged dual antiplatelet therapy antiplatelet th

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|--|---|--|--|
| <b>prolonged dual antiplatelet therapy vs 12 months dual antiplatelet</b>    |   |  |  |
| <b>DES-LATE , 2010</b><br>[NCT00484926]<br>n=1357/1344<br>follow-up: 19.2 mo | dual antiplatelet therapy (clopidogrel plus aspirin)<br>versus<br>aspirin alone | patients who had received drug eluting stents and had been free of major adverse cardiac or cerebrovascular events and major bleeding for a period of at least 12 months | Parallel groups<br>open<br>South Korea |
| <b>OPTIMIZED</b> <i>ongoing</i><br>n=NA                                      | -   | -  |  |
| <b>DAPT</b> <i>ongoing</i><br>[NCT00977938]<br>n=20645<br>follow-up:         | additional 18 months of thienopyridine treatment<br>versus<br>placebo           | Subjects Undergoing Percutaneous Coronary Intervention With Either Drug-eluting Stent or Bare Metal Stent Placement for the Treatment of Coronary Artery Lesions         |  |

## References

### DES-LATE, 2010:

Park SJ, Park DW, Kim YH, Kang SJ, Lee SW, Lee CW, Han KH, Park SW, Yun SC, Lee SG, Rha SW, Seong IW, Jeong MH, Hur SH, Lee NH, Yoon J, Yang JY, Lee BK, Choi YJ, Chung WS, Lim DS, Cheong SS, Kim KS, Chae JK, Nah DY, Jeon DS, Seung KB, Jang JS, Park HS, Le Duration of Dual Antiplatelet Therapy after Implantation of Drug-Eluting Stents. *N Engl J Med* 2010 Mar 15;: [20231231] [10.1056/NEJMoa1001266](https://doi.org/10.1056/NEJMoa1001266)

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## 5 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.

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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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