

Clinical trials of antiplatelets drug for percutaneous coronary intervention in all type of patients

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1 6 months DAPT

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

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2 antiplatelet drugs

| Trial | Treatments | Patients | Trials design and methods |
|--|---|----------|---------------------------|
| cilostazol vs aspirin | | | |
| Kunishima , 1997 n=30/40 | Cilostazol 200 mg qD unspecified durationg qD versus Aspirin 81 mg qD | - | |
| cilostazol + aspirin vs aspirin | | | |
| Sekiya , 1998 n=63/63 | Cilostazol 200 mg qD x6mos Aspirin 81 mg qD versus Coumadin unspecified regimen Aspirin 81 mg qD | - | |
| ticlopidine + aspirin vs aspirin | | | |
| STARS (vs aspirin) , 1998 n=546/557 follow-up: | Ticlopidine 250 mg BID 4 wks Aspirin 325 mg qDDage/pj versus Aspirin 325 mg qD | - | |
| Hall , 1996 n=13/103 | Ticlopidine 250 mg BID 1 mo Aspirin 325 mg qD 5 days versus Aspirin 325 mg qD | - | |
| ticlopidine + aspirin vs coumadin + aspirin | | | |
| STARS (vs coumadin+asp) , 1998 n=546/550 follow-up: | Ticlopidine 250 mg BID x4 wks Aspirin 325 mg qD versus Coumadin INR 2.5.0 x4 wks Aspirin 325 mg qDBID | - | |
| FANTASTIC , 1998 n=243/230 | Ticlopidine 250 mg BID 6 wks Aspirin 100325 mg qD versus Coumadin INR 2.53.0 6 wks Aspirin 100325 mg qD/pj | - | |
| ISAR , 1996 n=257/260 follow-up: | Ticlopidine 250 mg BID 4 wks Aspirin 100 mg BIDage/pj versus Coumadin INR 3.54.5 4 wks Aspirin 100 mg BID | - | |
| MATTIS , 1998 n=177/173 | Ticlopidine 250 mg BID 30 days Aspirin 250 mg qD versus Coumadin INR 2.53.0 x30 days Aspirin 250 mg qDg qD/pj | - | |
| Foussas , 2000 n=203/201 | Ticlopidine 500mg qD 1 mo Aspirin 325 mg qD versus Coumadin INR 23 x4 wks Aspirin 325 mg qDg BID | - | |

continued...

| Trial | Treatments | Patients | Trials design and methods |
|---|--|----------|---------------------------|
| cilostazol + aspirin vs ticlopidine + aspirin | | | |
| Kozuma , 2001 n=62/63 | Cilostazol 200 mg qD x6 mos Aspirin 81162 mg qD versus Ticlopidine 200 mg qD x6 mos Aspirin 81162 mg qD | - | |
| Ochiai , 1999 n=25/25 | Cilostazol 100 mg BID x6 mos Aspirin 81 mg TID versus Ticlopidine 100 mg BID x1 mo Aspirin 81 mg TID | - | |
| Park , 1999 n=247/243 | Cilostazol 100 mg BID x6 mos Aspirin 200 mg qD versus Ticlopidine 250 mg BID x4 wks Aspirin 200 mg qD | - | |
| Yoon , 1999 n=147/149 | Cilostazol 100 mg BID x30 days Aspirin 100 mg qD versus Ticlopidine 250 mg BID x30 days Aspirin 100 mg qD | - | |
| Kamishirado , 2002 n=65/65 | Cilostazol 200 mg qD x6 mos Aspirin 81 mg qD versus Ticlopidine 200 mg qD x6 mos Aspirin 81 mg qD | - | |
| clopidogrel + aspirin vs ticlopidine + aspirin | | | |
| Mller , 2000 n=355/345 | Clopidogrel 75 mg qD x4 wks Aspirin 100 mg qD versus Ticlopidine 250 mg BID x4 wks Aspirin 100 mg qD | - | |
| CLASSICS , 2000 n=345/340 | Clopidogrel 300mg x1, 75 mg qD x4 wks Aspirin 325 mg qDyp versus Ticlopidine 250 mg BID x4 wks Aspirin 325 mg qD | - | |
| TOPPS , 2001 n=494/522 | Clopidogrel 300 mg x1, unsp. Dose x2 wks Aspirin 325 mg qD versus Ticlopidine 500 mg x1, unsp. Dose x2 wks Aspirin 325 mg qD | - | |
| Piamsomboon , 2001 n=37/31 | Clopidogrel 300 mg x1, 75 mg qD x4 wks Aspirin 300 mg BID x4 wks, 300 mg qD versus Ticlopidine 250 mg po BID x4 wks Aspirin 300 mg BID x4 wks, 300 mg qD | - | |

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3 dual antiplatelet therapy

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| Trial | Treatments | Patients | Trials design and methods |
|--|--|--|--|
| clopidogrel+aspirin vs aspirin | | | |
| REAL-LATE, ZEST-LATE , 2010 [NCT00484926] n=1357/1344 follow-up: 19.2 months | clopidogrel plus aspirin versus aspirin alone | patients who had received drugeluting 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 open South Korea |
| Endeavor stent and three months of DAPT vs standard 12-month DAPT and other DES | | | |
| RESET [NCT01145079] n=NA follow-up: | - | - | |
| Monitoring Adjusted Antiplatelet Treatment vs Common Antiplatelet Treatment | | | |
| ARTIC adjusted ongoing n=NA | - | - | |
| high-dose clopidogrel vs normal-dose clopidogrel | | | |
| GRAVITAS, 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>=230) on the regular clopidogrel dose (platelet-function tests with the VerifyNow assay 12 to 24 hours after PCI) | Parallel groups open North America |

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4 prolonged dual antiplatelet therapy

| Trial | Treatments | Patients | Trials design and methods |
|--|---|--|--|
| 24 months of dual antiplatelet treatment vs 6 months dual antiplatelet | | | |
| PRODIGY , 2011 [NCT00611286] n=NA follow-up: 2 years | 24 months of dual antiplatelet treatment (clopidogrel plus aspirin) versus 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 open |
| 18 months dual antiplatelet vs 12 months dual antiplatelet | | | |
| ARTIC (extended dual antiplatelet) ongoing [NCT00827411] n=NA follow-up: | Pursuit of a dual oral antiplatelet therapy (aspirin and clopidogrel) beyond one year versus Interruption of clopidogrel therapy after one year | - | |
| prolonged dual antiplatelet therapy vs 12 months dual antiplatelet | | | |
| DES-LATE , 2010 [NCT00484926] n=1357/1344 follow-up: 19.2 mo | dual antiplatelet therapy (clopidogrel plus aspirin) versus 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 open South Korea |
| OPTIMIZED ongoing n=NA | - | - | |

continued...

| Trial | Treatments | Patients | Trials design and methods |
|--|---|--|---------------------------|
| DAPT <i>ongoing</i> [NCT00977938] n=20645 follow-up: | additional 18 months of thienopyridine treatment versus placebo | Subjects Undergoing Percutaneous Coronary Intervention With Either Drug-eluting Stent or Bare Metal Stent Placement for the Treatment of Coronary Artery Lesions | |

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ARTIC (extended dual antiplatelet), 0:

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)

OPTIMIZED, :

DAPT, :

Mauri L, Kereiakes DJ, Yeh RW, Driscoll-Shempp P, Cutlip DE, Steg PG, Normand SL, Braunwald E, Wiviott SD, Cohen DJ, Holmes DR Jr, Krucoff MW, Hermiller J, Dauerman HL, Simon DI, Kandzari DE, Garratt KN, Lee DP, Pow TK, Lee PV, Rinaldi MJ, Massaro JM Twelve or 30 Months of Dual Antiplatelet Therapy after Drug-Eluting Stents. *N Engl J Med* 2014 Nov 16;: [25399658] [10.1056/NEJMoa1409312](https://doi.org/10.1056/NEJMoa1409312)

5 prolonged dual antiplatelet therapy antiplatelet th

| Trial | Treatments | Patients | Trials design and methods |
|--|---|--|--|
| prolonged dual antiplatelet therapy vs 12 months dual antiplatelet | | | |
| DES-LATE , 2010 [NCT00484926] n=1357/1344 follow-up: 19.2 mo | dual antiplatelet therapy (clopidogrel plus aspirin) versus 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 open South Korea |
| OPTIMIZED <i>ongoing</i> n=NA | - | - | |
| DAPT <i>ongoing</i> [NCT00977938] n=20645 follow-up: | additional 18 months of thienopyridine treatment versus placebo | Subjects Undergoing Percutaneous Coronary Intervention With Either Drug-eluting Stent or Bare Metal Stent Placement for the Treatment of Coronary Artery Lesions | |

References

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OPTIMIZED, :

DAPT, :

Mauri L, Kereiakes DJ, Yeh RW, Driscoll-Shempp P, Cutlip DE, Steg PG, Normand SL, Braunwald E, Wiviott SD, Cohen DJ, Holmes DR Jr, Krucoff MW, Hermiller J, Dauerman HL, Simon DI, Kandzari DE, Garratt KN, Lee DP, Pow TK, Lee PV, Rinaldi MJ, Massaro JM Twelve or 30 Months of Dual Antiplatelet Therapy after Drug-Eluting Stents. N Engl J Med 2014 Nov 16;: [25399658] [10.1056/NEJMoa1409312](https://doi.org/10.1056/NEJMoa1409312)

6 triple antiplatelet

| Trial | Treatments | Patients | Trials design and methods |
|--|--|------------------------------------|---------------------------|
| triple therapy vs dual antiplatelet therapy | | | |
| WOEST [NCT00769938] n=284/279 follow-up: | oral anticoagulants, aspirin and clopidogrel versus oral anticoagulants, clopidogrel | - | |
| triple antiplatelet vs dual antiplatelet therapy | | | |
| CILON-T , 2010 n=457/458 follow-up: 6 mo | triple antiplatelet therapy with aspirin, clopidogrel, and cilostazol for 6 month versus dual antiplatelet therapy | real-world patients undergoing PCI | Parallel groups |

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WOEST, :

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7 About TrialResults-center.org

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