

# Clinical trials of aspirin + dipyridamol

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## 1 cardiovascular prevention

Trial	Treatments	Patients	Trials design and methods
<b>aspirin + dipyridamol vs placebo</b>			
<a href="#">Hess (2) , 1985</a> n=80/80 follow-up:	Aspirine Dipyridamole 330 mg / j 225 mg / j versus Placebo	patients with occlusive arterial disease in the lower extremities	Parallel groups double blind
<a href="#">Schoop (2) , 1983</a> n=100/100 follow-up:	Aspirine Dipyridamole 990 mg / j 225 mg /j versus Placebo	AOMI stade non prcis	Parallel groups double blind
<a href="#">VA study , 1986</a> n=110/121 follow-up: 46 months	Aspirine + Dipyridamole 975 mg / j 225 mg /j versus Placebo	non-insulin-dependent diabetic men with either a recent amputation for gangrene or active gangrene	Parallel groups double blind

More details and results :

- antiplatelets drug for cardiovascular prevention in secondary prevention in patients with intermittent claudication at <http://www.trialresultscenter.org/go-Q275>

## References

### Hess (2), 1985:

Drug-induced inhibition of platelet function delays progression of peripheral occlusive arterial disease. A prospective double-blind arteriographically controlled trial. Hess H, Mietaschk A, Deichsel G Lancet 1985 Feb 23;1:415-9 [[2857803](#)]

### Schoop (2), 1983:

W Schoop, H Levy. prevention of peripheral arterial occlusive disease with antiaggregants. Thromb Haemost 1983, 30: 137.

### VA study, 1986:

Veterans Administration Cooperative Study on antiplatelet agents in diabetic patients after amputation for gangrene: II. Effects of aspirin and dipyridamole on atherosclerotic vascular disease rates. Colwell JA, Bingham SF, Abaira C, Anderson JW, Comstock JP, Kwaan HC, Nuttall F Diabetes Care 1986 Mar-Apr;9:140-8 [[3516608](#)]

## 2 acute coronary syndrome

Trial	Treatments	Patients	Trials design and methods
<b>aspirin + dipyridamol vs placebo</b>			
<a href="#">Prandoni , 1991</a> n=44/44 follow-up: 12m	Aspirin 50mg/d + Dipyridamol 400mg/d versus placebo	patients with acute unstable angina	double blind

More details and results :

- antithrombotics for acute coronary syndrome in all type of patients at <http://www.trialresultscenter.org/go-Q24>
- antiplatelets drug for acute coronary syndrome in ACS (excluding AMI) at <http://www.trialresultscenter.org/go-Q169>
- antiplatelets drug for acute coronary syndrome in all type of patients at <http://www.trialresultscenter.org/go-Q346>

## References

### Prandoni, 1991:

Prandoni P, Milani L, Barbiero M, Cardaioli P, Sanson A, Barbaresi F, Zonzin P, Visani L [Treatment of unstable angina with dipyridamole combined with low doses of aspirin. A multicenter pilot double-blind controlled study] *Minerva Cardioangiolog* 1991;39:267-73 [[1780077](#)]

## 3 thrombosis prevention

Trial	Treatments	Patients	Trials design and methods
<b>aspirin + dipyridamol vs control</b>			
<a href="#">Chicago , 1982</a> n=12/15 follow-up:	aspirin, 300 mg bid, and dipyridamole, 75 mg tid versus control	patients with acute spinal cord injury	Parallel groups open
<b>aspirin + dipyridamol vs no treatment</b>			
<a href="#">Morris-B , 1977</a> n=32/32 follow-up:	Aspirin 900 mg daily + dipyridamole versus control	elderly patients with hip fractures	Parallel groups open
<a href="#">Lyon-I , 1975</a> n=20/20 follow-up: 2 weeks	Aspirin 1500 mg daily + Dipyridamole versus control	Elective orthopaedic surgery	

continued...

Trial	Treatments	Patients	Trials design and methods
<b>aspirin + dipyridamol vs placebo</b>			
<b>Encke-II , 1976</b> n=34/25 follow-up:	Aspirin 1500mg daily, Aspirin 990mg daily + dipyridamol versus placebo	patients with abdominal operations	Parallel groups double-blind
<b>Hamburg , 1976</b> n=21/11 follow-up: 3 weeks	A+Dipyridamole,A1000 versus placebo	Elective orthopaedic surgery	
<b>Frankfurt , 1981</b> <i>unpublished</i> n=25/14 follow-up:	A+Dip,A1320 versus placebo	patients with myocardial infarction	Parallel groups double-blind

More details and results :

- antithrombotics for thrombosis prevention in orthopedic surgery at <http://www.trialresultscenter.org/go-Q37>
- antithrombotics for thrombosis prevention in medical patients at <http://www.trialresultscenter.org/go-Q87>
- antiplatelets drug for thrombosis prevention in orthopedic surgery at <http://www.trialresultscenter.org/go-Q186>
- antiplatelets drug for thrombosis prevention in all type of patients at <http://www.trialresultscenter.org/go-Q462>
- antiplatelets drug for thrombosis prevention in medical patients at <http://www.trialresultscenter.org/go-Q463>
- antiplatelets drug for thrombosis prevention in elective orthopedic surgery at <http://www.trialresultscenter.org/go-Q464>

## References

### Chicago, 1982:

Green D, Rossi EC, Yao JS, Flinn WR, Spies SM Deep vein thrombosis in spinal cord injury: effect of prophylaxis with calf compression, aspirin, and dipyridamole. Paraplegia 1982;20:227-34 [6813814]

### Morris-B , 1977:

Morris GK, Mitchell JR Preventing venous thromboembolism in elderly patients with hip fractures: studies of low-dose heparin, dipyridamole, aspirin, and flurbiprofen. Br Med J 1977;1:535-7 [843794]

### Lyon-I, 1975:

Dechavanne M, Ville D, Viala JJ, Kher A, Faivre J, Pousset MB, Dejour H Controlled trial of platelet anti-aggregating agents and subcutaneous heparin in prevention of postoperative deep vein thrombosis in high risk patients. Haemostasis 1975;4:94-100 [1205340]

### Encke-II , 1976:

Encke A, Stock C, Dumke HO [Double-blind study for the prevention of postoperative thrombosis] Chirurg 1976;47:670-3 [1001131]

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**Frankfurt, 1981:**

unpublished

Boehringer Ingelheim. Asasantin DVT nach myokardinfarkt Bracknell Berkshire: Boehringer Ingelheim, 1981. (Internal report.)

**4 CABG surgery**

Trial	Treatments	Patients	Trials design and methods
<b>aspirin + dipyridamol vs control</b>			
<b>Pantely , 1979</b> n=18/30 follow-up: 6m	aspirin 325 mg three times a day + dipyridamole 75 mg three times a day versus control	patients undergoing aortocoronary saphenous-vein bypass-graft surgery	open
<b>Brussels , 1987</b> n=24/25 follow-up: 12m	-	-	
<b>Czech , 1986</b> n=47/46 follow-up: 12m	aspirin 1000 + dipiridamol 225 versus control (no medication)	Patients with aortocoronary bypasses with intraoperative blood flow rates of 40 ml/min or less	open
<b>Des Moines , 1980</b> n=60/54 follow-up: 12m	-	-	
<b>aspirin + dipyridamol vs placebo</b>			
<b>GESIC (aspirin+dipyridamol) , 1990</b> n=368/371 follow-up: 28d	aspirin 50 mg + dipyridamole 75mg 3 times daily versus placebo	patients undergoing CABG	Parallel groups double blind Spain
<b>Brooks , 1985</b> n=160/160 follow-up: 12m	aspirin 990 mg and dipyridamole 225 mg daily versus placebo	patients undergoing coronary bypass grafting	double blind
<b>Mayo-A , 1984</b> n=202/205 follow-up: 12m	aspirin 975 + dipiridamol 225 versus placebo	patients undergoing coronary bypass grafting	double blind

continued...

<b>Trial</b>	<b>Treatments</b>	<b>Patients</b>	<b>Trials design and methods</b>
<b>Wadsworth , 1985</b> n=96/102 follow-up: 12m	aspirin 975 mg/d + dipyridamol 225 mg/d, aspirin 975 mg/d versus placebo	coronary bypass patients	double blind
<b>Basel , 1989</b> n=62/63 follow-up: 9m	aspirin 50 + dipyridamol 400 versus placebo	patients who had aortocoronary vein bypass surgery	double blind
<b>Leeds-B , 1985</b> n=61/64 follow-up: 6m	aspirin 990 + dipyridamol 225 (W) versus placebo	patients undergoing aorta-coronary bypass grafting for disabling angina	double blind
<b>Thaulow , 1987</b> n=34/35 follow-up: 3m	aspirin 975 + dipyridamol 225 versus placebo	Patients scheduled to receive at least three aortocoronary venous bypass grafts	double blind

More details and results :

- antiplatelets drug for CABG surgery in all type of patients at <http://www.trialresultscenter.org/go-Q225>

## References

### **Pantely, 1979:**

Pantely GA, Goodnight SH Jr, Rahimtoola SH, Harlan BJ, DeMots H, Calvin L, Rsch J Failure of antiplatelet and anticoagulant therapy to improve patency of grafts after coronary-artery bypass: a controlled, randomized study. N Engl J Med 1979;301:962-6 [386118]

### **Brussels, 1987:**

Lavenne-Pardonge E, Col-de Beys C, Dion R, Ponlot R, Moriau M.A Effect of antiaggregant on occlusion of saphenous graft coronary bypass Thromb Haemost 1987;58:547 (Abstract 2024)

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Pirk J, Vojcek J, Kovc J, Fabin J, Firt P Improved patency of the aortocoronary bypass by antithrombotic drugs. Ann Thorac Surg 1986;42:312-4 [3489445]

### **Des Moines, 1980:**

Klotz L Antiplatelet and anticoagulant therapy after coronary bypass. N Engl J Med 1980;302:866 [6965764]

### **GESIC (aspirin+dipyridamol), 1990:**

Sanz G, Pajarn A, Alegria E, Coello I, Cardona M, Fournier JA, Gmez-Recio M, Ruano J, Hidalgo R, Medina A Circulation 1990;82:765-73 [2203555]

### **Brooks, 1985:**

Brooks N, Wright J, Sturridge M, Pepper J, Magee P, Walesby R, Layton C, Honey M, Balcon R Randomised placebo controlled trial of aspirin and dipyridamole in the prevention of coronary vein graft occlusion. Br Heart J 1985;53:201-7 [3881108]

### **Mayo-A, 1984:**

Chesebro JH, Fuster V, Elveback LR, Clements IP, Smith HC, Holmes DR Jr, Bardsley WT, Pluth JR, Wallace RB, Puga FJ Effect of dipyridamole and aspirin on late vein-graft patency after coronary bypass operations. N Engl J Med 1984;310:209-14 [6361561]

**Wadsworth, 1985:**

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**Leeds-B, 1985:**

Rajah SM, Salter MC, Donaldson DR, Subba Rao R, Boyle RM, Partridge JB, Watson DA Acetylsalicylic acid and dipyridamole improve the early patency of aorta-coronary bypass grafts. A double-blind, placebo-controlled, randomized trial. *J Thorac Cardiovasc Surg* 1985;90:373-7 [3897722]

**Thaulow, 1987:**

Thaulow E, Frysaker T, Dale J, Vatne K Failure of combined acetylsalicylic acid and dipyridamole to prevent occlusion of aortocoronary venous bypass graft. *Scand J Thorac Cardiovasc Surg* 1987;21:215-20 [3501902]

## 5 peripheral vascular diseases

Trial	Treatments	Patients	Trials design and methods
<b>aspirin + dipyridamol vs placebo</b>			
<b>Hess (2) , 1985</b> n=80/80 follow-up:	Aspirine Dipyridamole 330 mg / j 225 mg / j versus Placebo	patients with occlusive arterial disease in the lower extremities	Parallel groups double blind
<b>Schoop (2) , 1983</b> n=100/100 follow-up:	Aspirine Dipyridamole 990 mg / j 225 mg /j versus Placebo	AOMI stade non precis	Parallel groups double blind
<b>VA study , 1986</b> n=110/121 follow-up: 46 months	Aspirine + Dipyridamole 975 mg / j 225 mg /j versus Placebo	non-insulin-dependent diabetic men with either a recent amputation for gangrene or active gangrene	Parallel groups double blind

More details and results :

- antiplatelets drug for peripheral vascular diseases in all type of patient at <http://www.trialresultscenter.org/go-Q278>

## References

**Hess (2), 1985:**

Drug-induced inhibition of platelet function delays progression of peripheral occlusive arterial disease. A prospective double-blind arteriographically controlled trial. Hess H, Mietaschk A, Deichsel G Lancet 1985 Feb 23;1:415-9 [2857803]

**Schoop (2), 1983:**

W Schoop, H Levy. prevention of peripheral arterial occlusive disease with antiaggregants. Thromb Haemost 1983, 30: 137.

**VA study, 1986:**

Veterans Administration Cooperative Study on antiplatelet agents in diabetic patients after amputation for gangrene: II. Effects of aspirin and dipyridamole on atherosclerotic vascular disease rates. Colwell JA, Bingham SF, Abaira C, Anderson JW, Comstock JP, Kwaan HC, Nuttall F Diabetes Care 1986 Mar-Apr;9:140-8 [3516608]

## 6 percutaneous coronary intervention

Trial	Treatments	Patients	Trials design and methods
<b>aspirin + dipyridamol vs placebo</b>			
Schwartz (Toronto) , 1988 n=187/189 follow-up: 6m	aspirin 990 + D225 (H) versus placebo	-	Parallel groups double blind Canada
White (aspirin+dipiridamol) , 1991 n=245/254 follow-up: 6m	-	-	Parallel groups
Nye (Dunedin) , 1990 n=35/37 follow-up: 12m	aspirin 300 + D225 versus placebo	-	Parallel groups NA
Mayo-PTCA , 1989 n=102/105 follow-up: 48h	-	-	Parallel groups

More details and results :

- antithrombotics for percutaneous coronary intervention in all type of patients at <http://www.trialresultscenter.org/go-Q63>

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**Mayo-PTCA, 1989:**

Chesebro JH, Webster MW, Reeder GS, Mock MB, Grill DE, Bailey KR, et al. Coronary angioplasty: antiplatelet therapy reduces acute complications but not restenosis *Circulation* 1989;80 (suppl II):II-64 (Abstract 0257)

Entry terms: dipyridamol, dipyridamole monoacetate, dipyridamol monoacetate,