

# Clinical trials of dipyridamol

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## 1 post myocardial infarction

Trial	Treatments	Patients	Trials design and methods
<b>dipyridamol + aspirin vs placebo</b>			
<b>PARIS , 1980</b> n=810/406 follow-up: 41 months (mean)	Aspirin (324 mg) + dipyridamole (75 mg) 3x/d versus Placebo	patients who had recovered from myocardial infarction	Parallel groups Double blind USA and UK
<b>PARIS-II , 1986</b> n=1563/1565 follow-up: 23.4 months	Aspirin (330 mg) + dipyridamole (75 mg) 3x/d versus Placebo	patients who had recovered from myocardial infarction, suffered from 4 weeks to 4 months previously	Parallel groups Double blind USA and UK
<b>dipyridamol + aspirin vs aspirin</b>			
<b>PARIS , 1980</b> n=810/810 follow-up: 41 months	Aspirin (324 mg) + dipyridamole (75 mg) 3x/d versus Aspirin (324 mg) 3x/d	patients who had recovered from myocardial infarction	Parallel groups Double blind USA and GB

More details and results :

- antiplatelets drug for post myocardial infarction in all type of patient at <http://www.trialresultscenter.org/go-Q277>
- secondary prevention for post myocardial infarction in all type of patients at <http://www.trialresultscenter.org/go-Q449>

## References

### PARIS, 1980:

, Persantine and aspirin in coronary heart disease. The Persantine-Aspirin Reinfarction Study Research Group. Circulation 1980; 62:449-61 [7398002]

, Persantine and aspirin in coronary heart disease. The Persantine-Aspirin Reinfarction Study Research Group. Circulation 1980; 62:449-61 [7398002]

### PARIS-II, 1986:

Klimt CR, Knatterud GL, Stamler J, Meier P, Persantine-Aspirin Reinfarction Study. Part II. Secondary coronary prevention with persantine and aspirin. J Am Coll Cardiol 1986; 7:251-69 [2868029]

### PARIS, 1980:

, Persantine and aspirin in coronary heart disease. The Persantine-Aspirin Reinfarction Study Research Group. Circulation 1980; 62:449-61 [7398002]

## 2 cardiovascular prevention

Trial	Treatments	Patients	Trials design and methods
<b>dipyridamol vs control</b>			
Atlanta (Sbar) , 1967 n=30/30 follow-up: 6 months	dipyridamole 150mg daily versus placebo	patients with angina pectoris	parallel groups double-blind
Wirecki , 1967 n=28/28 follow-up: 7 months	dipyridamole 150mg daily versus placebo	patients with angina pectoris	parallel groups double blind
Becker , 1967 n=14/13 follow-up: 5 months	dipyridamole 225mg daily versus placebo	-	parallel groups double-blind
<b>aspirin + dipyridamol vs placebo</b>			
Hess (2) , 1985 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
Schoop (2) , 1983 n=100/100 follow-up:	Aspirine Dipyridamole 990 mg / j 225 mg /j versus Placebo	AOMI stade non precis	Parallel groups double blind
VA study , 1986 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
<b>dipyridamol vs placebo</b>			
Kinsella , 1962 n=13/13 follow-up: 0.5 months	dipyridamole 37.5 mg and 100mg daily versus placebo	-	parallel groups double-blind
Leiberman , 1964 n=19/19 follow-up: >3 months	dipyridamole 100mg daily versus placebo	-	parallel groups double blind
Zion , 1961 n=14/14 follow-up: 0.5 months	Dipyridamole 37.5mg versus placebo	patients with angina pectoris	cross-over double-blind
Dewar , 1961 n=17/17 follow-up: 0.5 months	Dipyridamole 100mg daily versus placebo	patients with angina pectoris	parallel groups double-blind

continued...

<b>Trial</b>	<b>Treatments</b>	<b>Patients</b>	<b>Trials design and methods</b>
Neumann , 1964 n=20/16 follow-up: 1.5 months	dipyridamole 150mg daily versus placebo	elderly with precordial pain	parallel groups double-blind
Foulds , 1960 n=24/24 follow-up: 1 months	Dipyridamole 200mg daily versus placebo	patients with angina pectoris	parallel groups double-blind
Igloe , 1970 n=26/22 follow-up: 2-7 months	Dipyridamole 200mg daily versus placebo	patients with angina pectoris	parallel groups double blind
<b>dipyridamol + aspirin vs placebo</b>			
PARIS , 1980 n=810/406 follow-up: 41 months (mean)	Aspirin (324 mg) + dipyridamole (75 mg) 3x/d versus Placebo	patients who had recovered from myocardial infarction	Parallel groups Double blind USA and UK
PARIS-II , 1986 n=1563/1565 follow-up: 23.4 months	Aspirin (330 mg) + dipyridamole (75 mg) 3x/d versus Placebo	patients who had recovered from myocardial infarction, suffered from 4 weeks to 4 months previously	Parallel groups Double blind USA and UK
<b>dipyridamol + aspirin vs aspirin</b>			
PARIS , 1980 n=810/810 follow-up: 41 months	Aspirin (324 mg) + dipyridamole (75 mg) 3x/d versus Aspirin (324 mg) 3x/d	patuents who had recovered from myocardial infarction	Parallel groups Double blind USA and GB

More details and results :

- antiplatelets drug for cardiovascular prevention in secondary prevention in patients with intermittent claudication at <http://www.trialresultscenter.org/go-Q275>
- antiplatelets drug for cardiovascular prevention in secondary prevention in patients with CAD at <http://www.trialresultscenter.org/go-Q276>

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KINSELLA D, TROUP W, MCGREGOR M Studies with a new coronary vasodilator drug: persantin. Am Heart J 1962;63:146-51 [14456202]

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LEIBERMAN A, GUGLIELMELLI S PERSANTIN- A DOUBLE BLIND STUDY. Angiology 1964;15:290-2 [14170587]

**Zion, 1961:**

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**Dewar, 1961:**

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**Igloe, 1970:**

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**PARIS, 1980:**

, Persantine and aspirin in coronary heart disease. The Persantine-Aspirin Reinfarction Study Research Group. Circulation 1980; 62:449-61 [7398002]

### 3 stable angina

Trial	Treatments	Patients	Trials design and methods
<b>dipyridamol vs control</b>			
Atlanta (Sbar) , 1967 n=30/30 follow-up: 6 months	dipyridamole 150mg daily versus placebo	patients with angina pectoris	parallel groups double-blind
Wirecki , 1967 n=28/28 follow-up: 7 months	dipyridamole 150mg daily versus placebo	patients with angina pectoris	parallel groups double blind
Becker , 1967 n=14/13 follow-up: 5 months	dipyridamole 225mg daily versus placebo	-	parallel groups double-blind
<b>dipyridamol vs placebo</b>			
Kinsella , 1962 n=13/13 follow-up: 0.5 months	dipyridamole 37.5 mg and 100mg daily versus placebo	-	parallel groups double-blind
Leiberman , 1964 n=19/19 follow-up: >3 months	dipyridamole 100mg daily versus placebo	-	parallel groups double blind
Zion , 1961 n=14/14 follow-up: 0.5 months	Dipyridamole 37.5mg versus placebo	patients with angina pectoris	cross-over double-blind
Dewar , 1961 n=17/17 follow-up: 0.5 months	Dipyridamole 100mg daily versus placebo	patients with angina pectoris	parallel groups double-blind
Neumann , 1964 n=20/16 follow-up: 1.5 months	dipyridamole 150mg daily versus placebo	elderly with precordial pain	parallel groups double-blind
Foulds , 1960 n=24/24 follow-up: 1 months	Dipyridamole 200mg daily versus placebo	patients with angina pectoris	parallel groups double-blind
Igloe , 1970 n=26/22 follow-up: 2-7 months	Dipyridamole 200mg daily versus placebo	patients with angina pectoris	parallel groups double blind

More details and results :

- antithrombotics for stable angina in all type of patient at <http://www.trialresultscenter.org/go-Q33>

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Sbar S, Schlant RC Dipyridamole in the treatment of angina pectoris. A double-blind evaluation. JAMA 1967;201:865-7 [5340622]

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**Leiberman, 1964:**

LEIBERMAN A, GUGLIELMELLI S PERSANTIN- A DOUBLE BLIND STUDY. Angiology 1964;15:290-2 [14170587]

**Zion, 1961:**

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**Dewar, 1961:**

DEWAR HA, HORLER AR A clinical trial of Persantin and Crodimyl in the treatment of angina of effort. Scott Med J 1961;6:149-52 [13722387]

**Neumann, 1964:**

NEUMANN M, LUISADA AA EFFECT OF RAPID AND SLOW-ACTING "CORONARY" DRUGS ON PRECORDIAL PAIN OF THE AGED. Am J Med Sci 1964;247:156-63 [14124704]

**Foulds, 1960:**

FOULDS T, MACKINNON J Controlled double-blind trial of "persantin" in treatment of angina pectoris. Br Med J 1960;2:835 [13824151]

**Igloe, 1970:**

Igloe MC Treatment of angina pectoris with dipyridamole: a double-blind study. J Am Geriatr Soc 1970;18:233-41 [4984849]

## 4 acute coronary syndrome

Trial	Treatments	Patients	Trials design and methods
<b>aspirin + dipyridamol vs placebo</b>			
Prandoni , 1991 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:

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## 5 DVT prophylaxis

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>dipyridamol + aspirin vs control</b>			
<a href="#">Parodi I , 1973</a> n=40/22	Dip,A1000+Dip versus control	-	open
<a href="#">Parodi II , 1973</a> n=91/35	A1500,Dip,A+Dip versus control	-	open
<a href="#">Australian I , 1975</a> n=75/75	A1000+Dip versus control	-	open
<a href="#">Australian II , 1976</a> n=85/75	A1000+Dip versus control	-	open
<a href="#">Toulouse I , 1979</a> n=38/66	A990+Dip versus control	-	open
<a href="#">Zekert-III , 1977</a> n=135/46	A1500,A1300+Dip,A1000+Dip versus control	-	open
<a href="#">Harjola DVT , 1982</a> n=300/100	A1500,Dip,A+Dip versus control	-	open

continued...

Trial	Treatments	Patients	Trials design and methods
Weiss , 1977 n=30/36	A990+Dip versus control	-	open
<b>aspirin + dipyridamol vs no treatment</b>			
Morris-B , 1977 n=32/32 follow-up:	Aspirin 900 mg daily + dipyridamole versus control	elderly patients with hip fractures	Parallel groups open
Lyon-I , 1975 n=20/20 follow-up: 2 weeks	Aspirin 1500 mg daily + Dipyridamole versus control	Elective orthopaedic surgery	
<b>dipyridamol vs no treatment</b>			
Morris-A , 1977 n=24/24 follow-up:	dipyridamole versus control	elderly patients with hip fractures	Parallel groups open
<b>aspirin + dipyridamol vs placebo</b>			
Encke-II , 1976 n=34/25 follow-up:	Aspirin 1500mg daily, Aspirin 990mg daily + dipyridamol versus placebo	patients with abdominal operations	Parallel groups double-blind
Hamburg , 1976 n=21/11 follow-up: 3 weeks	A+Dipyridamole,A1000 versus placebo	Elective orthopaedic surgery	
Frankfurt , 1981 <i>unpublished</i> n=25/14 follow-up:	A+Dip,A1320 versus placebo	patients with myocardial infarction	Parallel groups double-blind
<b>dipyridamol + aspirin vs placebo</b>			
Encke IA , 1976 n=21/9	A990,A+Dip versus Placebo	-	double-blind
Encke IB , 1976 n=62/34	A1500,A990+Dip versus Placebo	-	double-blind

More details and results :

- antithrombotics for DVT prophylaxis in orthopedic surgery at <http://www.trialresultscenter.org/go-Q37>
- antithrombotics for DVT prophylaxis in medical patients at <http://www.trialresultscenter.org/go-Q87>
- antithrombotics for DVT prophylaxis in general surgery at <http://www.trialresultscenter.org/go-Q92>



- antiplatelets drug for DVT prophylaxis in orthopedic surgery at <http://www.trialresultscenter.org/go-Q186>
- antiplatelets drug for DVT prophylaxis in general surgery at <http://www.trialresultscenter.org/go-Q461>
- antiplatelets drug for DVT prophylaxis in all type of patients at <http://www.trialresultscenter.org/go-Q462>
- antiplatelets drug for DVT prophylaxis in medical patients at <http://www.trialresultscenter.org/go-Q463>
- antiplatelets drug for DVT prophylaxis in elective orthopedic surgery at <http://www.trialresultscenter.org/go-Q464>

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## 6 coronary artery disease

Trial	Treatments	Patients	Trials design and methods
<b>dipyridamol vs control</b>			
Atlanta (Sbar) , 1967 n=30/30 follow-up: 6 months	dipyridamole 150mg daily versus placebo	patients with angina pectoris	parallel groups double-blind
Wirecki , 1967 n=28/28 follow-up: 7 months	dipyridamole 150mg daily versus placebo	patients with angina pectoris	parallel groups double blind
Becker , 1967 n=14/13 follow-up: 5 months	dipyridamole 225mg daily versus placebo	-	parallel groups double-blind

continued...

<b>Trial</b>	<b>Treatments</b>	<b>Patients</b>	<b>Trials design and methods</b>
<b>dipyridamol vs placebo</b>			
<b>Kinsella , 1962</b> n=13/13 follow-up: 0.5 months	dipyridamole 37.5 mg and 100mg daily versus placebo	-	parallel groups double-blind
<b>Leiberman , 1964</b> n=19/19 follow-up: >3 months	dipyridamole 100mg daily versus placebo	-	parallel groups double blind
<b>Zion , 1961</b> n=14/14 follow-up: 0.5 months	Dipyridamole 37.5mg versus placebo	patients with angina pectoris	cross-over double-blind
<b>Dewar , 1961</b> n=17/17 follow-up: 0.5 months	Dipyridamole 100mg daily versus placebo	patients with angina pectoris	parallel groups double-blind
<b>Neumann , 1964</b> n=20/16 follow-up: 1.5 months	dipyridamole 150mg daily versus placebo	elderly with precordial pain	parallel groups double-blind
<b>Foulds , 1960</b> n=24/24 follow-up: 1 months	Dipyridamole 200mg daily versus placebo	patients with angina pectoris	parallel groups double-blind
<b>Igloe , 1970</b> n=26/22 follow-up: 2-7 months	Dipyridamole 200mg daily versus placebo	patients with angina pectoris	parallel groups double blind
<b>dipyridamol + aspirin vs placebo</b>			
<b>PARIS , 1980</b> n=810/406 follow-up: 41 months (mean)	Aspirin (324 mg) + dipyridamole (75 mg) 3x/d versus Placebo	patients who had recovered from myocardial infarction	Parallel groups Double blind USA and UK
<b>PARIS-II , 1986</b> n=1563/1565 follow-up: 23.4 months	Aspirin (330 mg) + dipyridamole (75 mg) 3x/d versus Placebo	patients who had recovered from myocardial infarction, suffered from 4 weeks to 4 months previously	Parallel groups Double blind USA and UK
<b>dipyridamol + aspirin vs aspirin</b>			
<b>PARIS , 1980</b> n=810/810 follow-up: 41 months	Aspirin (324 mg) + dipyridamole (75 mg) 3x/d versus Aspirin (324 mg) 3x/d	patuents who had recovered from myocardial infarction	Parallel groups Double blind USA and GB

More details and results :

- death and events prevention for coronary artery disease in all type of patients at <http://www.trialresultscenter.org/go-Q450>

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### PARIS, 1980:

, Persantine and aspirin in coronary heart disease. The Persantine-Aspirin Reinfarction Study Research Group. Circulation 1980; 62:449-61 [7398002]

## 7 CABG surgery

<b>Trial</b>	<b>Treatments</b>	<b>Patients</b>	<b>Trials design and methods</b>
<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>dipyridamol vs control</b>			
<b>Toronto dipyridamole , 1987</b> n=20/20 follow-up: 48h	dipiridamol 400 versus control	patients undergoing elective coronary artery bypass grafting	
<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
<b>Wadsworth , 1985</b> n=96/102 follow-up: 12m	aspirin 975 mg/d + dipiridamol 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 + dipiridamol 400 versus placebo	patients who had aortocoronary vein bypass surgery	double blind

continued...

Trial	Treatments	Patients	Trials design and methods
Leeds-B , 1985 n=61/64 follow-up: 6m	aspirin 990 + dipyridamol 225 (W) versus placebo	patients undergoing aorta-coronary bypass grafting for disabling angina	double blind
Thaulow , 1987 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
<b>dipyridamol vs placebo</b>			
Ekestrom , 1990 n=174/186 follow-up: 12m	dipyridamol 100 mg orally q.i.d. versus placebo	patients undergoing coronary bypass surgery	double blind

More details and results :

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

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## 8 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 prcis	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>

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## 9 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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