

Clinical trials of ticlopidine

TrialResults-center www.trialresultscenter.org

1 acute myocardial infarction

Trial	Treatments	Patients	Trials design and methods
ticlopidine vs control			
Knudsen-A , 1985 n=24/19 follow-up: 3m	ticlopidine 500mg/d versus placebo	patients with AMI	Parallel groups double blind

More details and results :

- antiplatelets drug for acute myocardial infarction in all type of patients at <http://www.trialresultscenter.org/go-Q390>

References

Knudsen-A, 1985:

Knudsen JB, Kjeller E, Skagen K, Gormsen J The effect of ticlopidine on platelet functions in acute myocardial infarction. A double blind controlled trial. Thromb Haemost 1985;53:332-6 [[3901391](#)]

2 cardiovascular prevention

Trial	Treatments	Patients	Trials design and methods
ticlopidine vs placebo			
Ellis , 1986 n=100/103 follow-up: 6 months	Ticlopidine 500 mg/j versus Placebo	AOMI stade II	Parallel groups double blind
Hurlow , 1980 n=30/30 follow-up:	Ticlopidine : 100 -500 mg / jour pendant 2 mois. versus Placebo	Donnes non disponibles	Parallel groups double blind
Berglund , 1985 n=21/17 follow-up: 2m	ticlopidine 500 mg daily versus placebo	middle-aged men with stable incapacitating angina pectoris	parallel groups double blind

continued...

Trial	Treatments	Patients	Trials design and methods
Krause , 1980 n=19/19 follow-up:	Ticlopidine : 500 mg pendant 4 mois versus Placebo	Donnes non disponibles	Parallel groups double blind
Katsumara , 1982 n=93/100 follow-up: 6 semaines	Ticlopidine 500 mg/j versus Placebo	patients with ischemic ulcers due to chronic arterial occlusion	Parallel groups double blind
Birmingham-A , 1979 <i>unpublished</i> n=20/8 follow-up: 2 months	-	-	Parallel groups
Aukland , 1982 n=33/32 follow-up: 1 y	Ticlopidine 500 mg/j versus Placebo	men with atherosclerotic intermittent claudication and haemorheological abnormalities	Parallel groups double blind
London diabetes , 1983 <i>unpublished</i> n=38/40 follow-up: 12 months	-	-	Parallel groups
Stiegler , 1984 n=57/57 follow-up:	Ticlopidine 500 mg/j versus Placebo	AOMI stade II	Parallel groups double blind
TIMAD , 1984 n=220/215 follow-up: 32m	-	-	Parallel groups
BTRS , 1992 n=49/51 follow-up: 48 months	ticlopidine 500mg/d versus placebo	insulin-treated diabetics with background retinopathy	Parallel groups double blind
Nyberg , 1984 n=12/11 follow-up: 12 months	ticlopidine 500mg daily versus placebo	insulin dependent diabetes complicated by nephropathy	Parallel groups double blind
Cloarec , 1986 n=66/66 follow-up: 1 y	Ticlopidine 500 mg/j versus Placebo	AOMI stade non precis	Parallel groups double blind
Arcan , 1988 n=83/86 follow-up: 6 months	Ticlopidine 500 mg/j versus Placebo	patients with chronic intermittent claudication due to obstructive peripheral vascular disease (stade II)	Parallel groups double blind
Balsano , 1989 n=76/75 follow-up: 21 months	Ticlopidine 500 mg/j versus Placebo	patients with intermittent claudication (stade II)	Parallel groups double blind

continued...

Trial	Treatments	Patients	Trials design and methods
STIMS , 1990 n=346/341 follow-up: 5.6 y	Ticlopidine 500 mg/j versus Placebo	patients with intermittent claudication (stade II)	Parallel groups double blind
EMATAP , 1993 n=304/311 follow-up:	Ticlopidine 500 mg/j versus Placebo	AOMI stade non precis	Parallel groups double blind

More details and results :

- antiplatelets drug for cardiovascular prevention in diabetic patients at <http://www.trialresultscenter.org/go-Q220>
- 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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Berglund, 1985:

Berglund U, von Schenck H, Wallentin L Effects of ticlopidine of platelet function in men with stable angina pectoris. Thromb Haemost 1985;54:808-12 [[3911481](#)]

Krause, 1980:

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London diabetes, 1983:

unpublished

Oakley NW, Dormandy JA, Flute PT. Guildford: Sanofi Winthrop, 1983:(Internal report 105602-0019.)

Stiegler, 1984:

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TIMAD, 1984:

Mirouze J Agents Actions 1984;15(suppl):230-58

BTRS, 1992:

Ophthalmologica 1992;204:4-12 [1579337]

Nyberg, 1984:

Nyberg G, Larsson O, Westberg NG, Aurell M, Jagenburg R, Blohm G Clin Nephrol 1984;21:184-7 [6705280]

Cloarec, 1986:

Cloarec M et al Double-blind clinical trial of ticlopidine versus placebo in peripheral atherosclerotic disease of the legs Thrombosis Research 1986 suppl VI abstr 316

Arcan, 1988:

Multicenter double-blind study of ticlopidine in the treatment of intermittent claudication and the prevention of its complications. Arcan JC, Blanchard J, Boissel JP, Destors JM, Panak E Angiology 1988 Sep;39:802-11 [3048155]

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Prevention of myocardial infarction and stroke in patients with intermittent claudication; effects of ticlopidine. Results from STIMS, the Swedish Ticlopidine Multicentre Study. Janzon L, Bergqvist D, Boberg J, Boberg M, Eriksson I, Lindgarde F, Persson G, Almgren B, Fagher B, Kjellstrom T, et al J Intern Med 1990 May;227:301-8 [2187948]

EMATAP, 1993:

J Blanchard, LO Carrerars, M Kindermans and the EMATAP group. Results of EMATAP: a dooble-blind placebo-controlled multicentre trial of ticlopidine in patients with peripheral arterial disease. Nouv Rev fr Hematol(1993)35:523-528.

3 stable angina

Trial	Treatments	Patients	Trials design and methods
ticlopidine vs placebo			

continued...

Trial	Treatments	Patients	Trials design and methods
Berglund , 1985 n=21/17 follow-up: 2m	ticlopidine 500 mg daily versus placebo	middle-aged men with stable incapacitating 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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Berglund, 1985:

Berglund U, von Schenck H, Wallentin L Effects of ticlopidine of platelet function in men with stable angina pectoris. Thromb Haemost 1985;54:808-12 [[3911481](#)]

4 acute coronary syndrome

Trial	Treatments	Patients	Trials design and methods
ticlopidine vs control			
STAI , 1990 n=314/338 follow-up: 6m	ticlopidine 250 mg b.i.d versus untreated control	patients with unstable angina <=48hrs from the pain onset	single blind
Knudsen-A , 1985 n=24/19 follow-up: 3m	ticlopidine 500mg/d versus placebo	patients with AMI	Parallel groups double blind
ticlopidine vs placebo			
Florida UA unpublished n=12/12 follow-up: 14d	-	-	

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>
- antiplatelets drug for acute coronary syndrome in STEMI patients at <http://www.trialresultscenter.org/go-Q564>

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Knudsen JB, Kjeller E, Skagen K, Gormsen J The effect of ticlopidine on platelet functions in acute myocardial infarction. A double blind controlled trial. Thromb Haemost 1985;53:332-6 [3901391]

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Mehta JL Unit de Pharmacologie Clinique, 1987. (Unit de Pharmacologie Clinique unpublished report)

5 thrombosis prevention

Trial	Treatments	Patients	Trials design and methods
Ticlopidine vs placebo			
Lasierra , 1982 n=40/40	Ticlopidine versus placebo	-	double-blind
Walker , 1974 <i>unpublished</i> n=31/33	ticlopidine versus placebo	-	double-blind
McKenna-II , 1983 n=29/29 follow-up: 2 weeks	Ticlopidine versus placebo	Elective orthopaedic surgery	
Lyon-II , 3000 n=20/20 follow-up: 3 weeks	Ticlopidine versus placebo	Elective orthopaedic surgery	
Gardecki , 3000 n=48/46 follow-up: 2 weeks	Ticlopidine versus placebo	Elective orthopaedic surgery	
McKenna-II , 1983 <i>unpublished</i> n=27/26 follow-up:	Ticlopidine versus placebo	high risk (post CVA) medical patients	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>
- antithrombotics for thrombosis prevention in general surgery at <http://www.trialresultscenter.org/go-Q92>
- antiplatelets drug for thrombosis prevention in orthopedic surgery at <http://www.trialresultscenter.org/go-Q186>
- antiplatelets drug for thrombosis prevention in general surgery at <http://www.trialresultscenter.org/go-Q461>
- 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>

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6 diabetes type 2

Trial	Treatments	Patients	Trials design and methods
ticlopidine vs placebo			
Birmingham-A , 1979 <i>unpublished</i> n=20/8 follow-up: 2 months	-	-	Parallel groups
London diabetes , 1983 <i>unpublished</i> n=38/40 follow-up: 12 months	-	-	Parallel groups
TIMAD , 1984 n=220/215 follow-up: 32m	-	-	Parallel groups
BTRS , 1992 n=49/51 follow-up: 48 months	ticlopidine 500mg/d versus placebo	insulin-treated diabetics with background retinopathy	Parallel groups double blind
Nyberg , 1984 n=12/11 follow-up: 12 months	ticlopidine 500mg daily versus placebo	insulin dependent diabetes complicated by nephropathy	Parallel groups double blind

∞ More details and results :

- antiplatelets drug for diabetes type 2 in patients without cardiovascular disease at <http://www.trialresultscenter.org/go-Q221>
- antiplatelets drug for diabetes type 2 in all type of patients at <http://www.trialresultscenter.org/go-Q362>

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Birmingham-A, 1979:

unpublished

Pollock A, Wright AD Guildford: Sanofi Winthrop, 1979:(Sanofi internal report 105602-0010)

London diabetes, 1983:

unpublished

Oakley NW, Dormandy JA, Flute PT. Guildford: Sanofi Winthrop, 1983:(Internal report 105602-0019.)

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Mirouze J Agents Actions 1984;15(suppl):230-58

BTRS, 1992:

Ophthalmologica 1992;204:4-12 [[1579337](#)]

Nyberg, 1984:

Nyberg G, Larsson O, Westberg NG, Aurell M, Jagenburg R, Blohm G Clin Nephrol 1984;21:184-7 [[6705280](#)]

7 stent

Trial	Treatments	Patients	Trials design and methods
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 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 2.3 x4 wks Aspirin 325 mg qDg BID	-	

More details and results :

- antithrombotics for stent in all type of patients at <http://www.trialresultscenter.org/go-Q151>

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STARS (vs aspirin), 1998:

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8 coronary artery disease

Trial	Treatments	Patients	Trials design and methods
ticlopidine vs placebo			

continued...

Trial	Treatments	Patients	Trials design and methods
Berglund , 1985 n=21/17 follow-up: 2m	ticlopidine 500 mg daily versus placebo	middle-aged men with stable incapacitating angina pectoris	parallel groups double blind

More details and results :

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

References

Berglund, 1985:

Berglund U, von Schenck H, Wallentin L Effects of ticlopidine of platelet function in men with stable angina pectoris. Thromb Haemost 1985;54:808-12 [[3911481](#)]

9 CABG surgery

Trial	Treatments	Patients	Trials design and methods
ticlopidine vs control			
Zurich , 1982 n=50/50 follow-up: 3m	-	-	
Knudsen-B , 1983 n=9/10 follow-up: 6m	-	-	
Romeo , 1983 n=20/20 follow-up: 3m (12m)	-	-	
Kohn , 1990 n=21/24 follow-up: 14d	-	-	
ticlopidine vs placebo			
Lige-I , 1984 n=75/75 follow-up: 3m	ticlopidine 250 mg twice daily versus placebo	patients undergoing aortocoronary bypass graft procedures	double blind
Lige-II , 1987 n=88/87 follow-up: 12m	ticlopidine 250 mg twice daily versus placebo	patients undergoing venous coronary artery bypass grafting	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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Zurich, 1982:

Rothlin ME, Pflger K, Speiser K, Geroulanos SJ, Goebel N, Turina M, et al4 Clinical experience with anti-platelet drugs in aorta-coronary bypass surgery Coronary Artery Disease Today 1982;557:413-9

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Romeo F, Ruvolo G, Martuscelli E, Comito M, Cardona N, Colistra C, et al.gery Ticlopidine in the prevention of the block of aorto-coronary by-passP Proceedings of satellite symposium of 83rd Congress of Italian society of Internal Medicine. Rome: 1982:155-60

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10 peripheral vascular diseases

Trial	Treatments	Patients	Trials design and methods
ticlopidine vs contrle			
Bequemins , 1997 n=122/121 follow-up: 24 mois	Ticlopidine (Ticlid, sanofi) 250 mg*2 /j versus placebo	Patients au stade II IV	Parallel groups Double aveugle
ticlopidine vs placebo			
Ellis , 1986 n=100/103 follow-up: 6 months	Ticlopidine 500 mg/j versus Placebo	AOMI stade II	Parallel groups double blind

continued...

Trial	Treatments	Patients	Trials design and methods
Hurlow , 1980 n=30/30 follow-up:	Ticlopidine : 100 -500 mg / jour pendant 2 mois. versus Placebo	Donnes non disponibles	Parallel groups double blind
Krause , 1980 n=19/19 follow-up:	Ticlopidine : 500 mg pendant 4 mois versus Placebo	Donnes non disponibles	Parallel groups double blind
Katsumara , 1982 n=93/100 follow-up: 6 semaines	Ticlopidine 500 mg/j versus Placebo	patients with ischemic ulcers due to chronic arterial occlusion	Parallel groups double blind
Aukland , 1982 n=33/32 follow-up: 1 y	Ticlopidine 500 mg/j versus Placebo	men with atherosclerotic intermittent claudication and haemorheological abnormalities	Parallel groups double blind
Stiegler , 1984 n=57/57 follow-up:	Ticlopidine 500 mg/j versus Placebo	AOMI stade II	Parallel groups double blind
Cloarec , 1986 n=66/66 follow-up: 1 y	Ticlopidine 500 mg/j versus Placebo	AOMI stade non precis	Parallel groups double blind
Arcan , 1988 n=83/86 follow-up: 6 months	Ticlopidine 500 mg/j versus Placebo	patients with chronic intermittent claudication due to obstructive peripheral vascular disease (stade II)	Parallel groups double blind
Balsano , 1989 n=76/75 follow-up: 21 months	Ticlopidine 500 mg/j versus Placebo	patients with intermittent claudication (stade II)	Parallel groups double blind
STIMS , 1990 n=346/341 follow-up: 5.6 y	Ticlopidine 500 mg/j versus Placebo	patients with intermittent claudication (stade II)	Parallel groups double blind
EMATAP , 1993 n=304/311 follow-up:	Ticlopidine 500 mg/j versus Placebo	AOMI stade non precis	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>
- antithrombotics for peripheral vascular diseases in after revascularisation at <http://www.trialresultscenter.org/go-Q661>

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Collaborative meta-analysis of randomised trials of antiplatelet therapy for prevention of death, myocardial infarction, and stroke in high risk patients. Antithrombotic Trialists' Collaboration BMJ 2002 Jan 12;324:71-86 [[11786451](#)]

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EMATAP, 1993:

J Blanchard, LO Carrerars, M Kindermans and the EMATAP group. Results of EMATAP: a dooble-blind placebo-controlled multicentre trial of ticlopidine in patients with peripheral arterial disease. Nouv Rev fr Hematol(1993)35:523-528.

11 percutaneous coronary intervention

Trial	Treatments	Patients	Trials design and methods
ticlopidine vs placebo			
TACT , 1990 n=177/173 follow-up: 6m	-	-	Parallel groups
White (ticlopidine) , 1991 n=NA follow-up: 6m	ticlopidine 500, aspirin 650 + D225 versus placebo	-	Parallel groups
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 22.5 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	-	

continued...

Trial	Treatments	Patients	Trials design and methods
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	-	

More details and results :

- antithrombotics for percutaneous coronary intervention in all type of patients at <http://www.trialresultscenter.org/go-Q63>
- antithrombotics for percutaneous coronary intervention in PCI with stent placement at <http://www.trialresultscenter.org/go-Q152>
- antiplatelets drug for percutaneous coronary intervention in all type of patients at <http://www.trialresultscenter.org/go-Q389>

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Entry terms: Ticlopidine, Ticlopidine Hydrochloride, Ticlodix, Ticlodone, 53-32C, 53 32C, 5332C, Ticlid,