

# Clinical trials of anticoagulant

TrialResults-center [www.trialresultscenter.org](http://www.trialresultscenter.org)

## 1 acute myocardial infarction

Trial	Treatments	Patients	Trials design and methods
<b>any anticoagulant vs placebo</b>			
<b>Sixty Plus reinfarction Study , 1980</b> n=NA follow-up: 2 years	anticoagulant versus placebo	over 60 years of age	Parallel groups double blind
<b>any anticoagulant vs aspirin</b>			
<b>EPSIM , 1982</b> n=652/651 follow-up: 29 months (range 6-59)	anticoagulant versus aspirin 500mg three times daily	patients surviving myocardial infarction	Parallel groups open

└ More details and results :

- antithrombotics for acute myocardial infarction in all type of patients at <http://www.trialresultscenter.org/go-Q36>
- anticoagulant for acute myocardial infarction in all type of patients at <http://www.trialresultscenter.org/go-Q172>

## References

### Sixty Plus reinfarction Study, 1980:

A double-blind trial to assess long-term oral anticoagulant therapy in elderly patients after myocardial infarction. Report of the Sixty Plus Reinfarction Study Research Group. Lancet 1980;2:989-94 [6107674]

### EPSIM, 1982:

A controlled comparison of aspirin and oral anticoagulants in prevention of death after myocardial infarction. N Engl J Med 1982;307:701-8 [7050710]

## 2 post stroke

Trial	Treatments	Patients	Trials design and methods
<b>anticoagulant vs no anticoagulant</b>			

continued...

<b>Trial</b>	<b>Treatments</b>	<b>Patients</b>	<b>Trials design and methods</b>
<b>Baker , 1964</b> n=NA follow-up:	unnamed anticoagulant (TQ (2 to 2.5 times control in seconds), started in hospital versus no treatment	-	Parallel groups open
<b>Bradshaw , 1975</b> n=NA follow-up:	warfarin or phenindione for 18 mo; TP time 2x control versus no treatment	-	Parallel groups open UK
<b>LHSPS , 1999</b> n=NA follow-up: 2 years	unfractionated heparin 12.500 IU/d plus usual therapy versus usual therapy	-	Parallel groups open Italy
<b>VA Study , 1961</b> n=NA follow-up: 11 months	coumadin or dicumarol, prothrombin activity 20% of normal versus no treatment	-	Parallel groups open USA
<b>Wallace , 1964</b> n=NA follow-up: 9.75 months	phenindione or warfarin, Quick test 20% to 35% of normal (50% after 10 months) versus no treatment	-	Parallel groups open Australia
<b>anticoagulant vs placebo</b>			
<b>McDevitt , 1959</b> n=NA follow-up: 34 months	dicumarol or warfarin, Quisk test 2 to 2.5 times control in seconds versus placebo	-	Parallel groups single-blind USA

More details and results :

- anticoagulant for post stroke in all type of patients at <http://www.trialresultscenter.org/go-Q413>

## References

### **Baker, 1964:**

- Baker RN, Schwartz WS, Rose MD Transient ischemic strokes. A report of a study of anticoagulant therapy. Neurology 1966;16:841-7.  
 Baker RN, Schwartz WS, Rose MD Transient ischemic strokes. A report of a study of anticoagulant therapy. Neurology 1966;16:841-7.  
 Baker RN, Schwartz WS, Rose MD Transient ischemic strokes. A report of a study of anticoagulant therapy. Neurology 1966;16:841-7.

### **Bradshaw, 1975:**

Bradshaw P, Brennan S Trial of long-term anticoagulant therapy in the treatment of small stroke associated with a normal carotid angiogram. Journal of Neurology, Neurosurgery and Psychiatry 1975;38:642-7.

Bradshaw P, Brennan S Trial of long-term anticoagulant therapy in the treatment of small stroke associated with a normal carotid angiogram. Journal of Neurology, Neurosurgery and Psychiatry 1975;38:642-7.

Bradshaw P, Brennan S Trial of long-term anticoagulant therapy in the treatment of small stroke associated with a normal carotid angiogram. Journal of Neurology, Neurosurgery and Psychiatry 1975;38:642-7.

**LHSPS, 1999:**

Fortini A, Bonechi G, Carnovali M, Olivo G, Rinaldi G, Gensini GF Multi-centric study on ischemic cerebral re-infarct prevention with low-dose heparin: the informatic system [Sistema informatico dello studio clinico controllato multicentrico sulla prevenzione del reinfarto cerebrale ischemico con eparina a basso dosaggio]. Rivista di Neurobiologica

Fortini A, Bonechi G, Carnovali M, Olivo G, Rinaldi G, Gensini GF Multi-centric study on ischemic cerebral re-infarct prevention with low-dose heparin: the informatic system [Sistema informatico dello studio clinico controllato multicentrico sulla prevenzione del reinfarto cerebrale ischemico con eparina a basso dosaggio]. Rivista di Neurobiologica

Fortini A, Bonechi G, Carnovali M, Olivo G, Rinaldi G, Gensini GF Multi-centric study on ischemic cerebral re-infarct prevention with low-dose heparin: the informatic system [Sistema informatico dello studio clinico controllato multicentrico sulla prevenzione del reinfarto cerebrale ischemico con eparina a basso dosaggio]. Rivista di Neurobiologica

**VA Study, 1961:**

Baker RN. An evaluation of anticoagulant therapy in the treatment of cerebrovascular disease. Report of the Veterans Administration Cooperative Study of Atherosclerosis, Neurology Section Neurology 1961;11:1328.

**Wallace, 1964:**

WALLACE DC CEREBRAL VASCULAR DISEASE IN RELATION TO LONG-TERM ANTICOAGULANT THERAPY. J Chronic Dis 1964;17:527-37 [[14168625](#)]

**McDevitt, 1959:**

McDEVITT E, GROCH SN, WRIGHT IS A cooperative study of cerebrovascular disease; methodology and a preliminary report on the use of anticoagulants. Circulation 1959;20:215-23 [[13671708](#)]

McDowell F, McDevitt E, Wright IS. Anticoagulant therapy: five years experience with the patient with an established cerebrovascular accident.-ms Archives of Neurology 1963;8:20914

### 3 post myocardial infarction

Trial	Treatments	Patients	Trials design and methods
<b>any anticoagulant vs placebo</b>			
<a href="#">Sixty Plus reinfarction Study , 1980</a> n=NA follow-up: 2 years	anticoagulant versus placebo	over 60 years of age	Parallel groups double blind
<b>any anticoagulant vs aspirin</b>			

continued...

Trial	Treatments	Patients	Trials design and methods
EPSIM , 1982 n=652/651 follow-up: 29 months (range 6-59)	anticoagulant versus aspirin 500mg three times daily	patients surviving myocardial infarction	Parallel groups open

More details and results :

- anticoagulant for post myocardial infarction in all type of patients at <http://www.trialresultscenter.org/go-Q173>

## References

### Sixty Plus reinfarction Study, 1980:

A double-blind trial to assess long-term oral anticoagulant therapy in elderly patients after myocardial infarction. Report of the Sixty Plus Reinfarction Study Research Group. Lancet 1980;2:989-94 [6107674]

### EPSIM, 1982:

A controlled comparison of aspirin and oral anticoagulants in prevention of death after myocardial infarction. N Engl J Med 1982;307:701-8 [7050710]

## 4 cardiovascular prevention

Trial	Treatments	Patients	Trials design and methods
<b>anticoagulant vs no anticoagulant</b>			
MacMillan , 1960 n=NA	-	-	
Borchegrevink , 1960 n=NA	-	-	
Clausen , 1961 n=NA	-	-	
Harvald , 1961 n=NA	-	-	
Conrad , 1964 n=NA	-	-	
Wasserman , 1966 n=NA	-	-	
Loeliger , 1967 n=NA	-	-	

continued...

Trial	Treatments	Patients	Trials design and methods
Lovell , 1967 n=NA	-	-	
Seaman , 1969 n=NA	-	-	
Sorensen , 1969 n=NA	-	-	
Meuwisse, , 1969 n=NA	-	-	
Drapkin and Merskey , 1972 n=NA	-	-	

More details and results :

- anticoagulant for cardiovascular prevention in secondary prevention at <http://www.trialresultscenter.org/go-Q481>

## References

### MacMillan, 1960:

MACMILLAN RL, BROWN K, WATT DL Long-term anticoagulant therapy after myocardial infarction. Can Med Assoc J 1960;83:567-70 [14419608]

MACMILLAN RL, BROWN K, WATT DL Long-term anticoagulant therapy after myocardial infarction. Can Med Assoc J 1960;83:567-70 [14419608]

### Borchegrevink, 1960:

#### Clausen, 1961:

CLAUSEN J, ANDERSEN PE, ANDRESEN P, GRUELUND S, HARSLOF E, ANDERSEN UH, JORGENSEN J, MOSE C [Long-term anticoagulant treatment after acute coronary occlusion. Material with complete comparison with control material]. Ugeskr Laeger 1961;123:987-94 [13693953]

#### Harvald, 1961:

#### Conrad, 1964:

CONRAD LL, KYRIACOPOULOS JD, WIGGINS CW, HONICK GL PREVENTION OF RECURRENCES OF MYOCARDIAL INFARCTION; A DOUBLE-BLIND STUDY OF THE EFFECTIVENESS OF LONG-TERM ORAL ANTICOAGULANT THERAPY. Arch Intern Med 1964;114:348-58 [14171625]

#### Wasserman, 1966:

Wasserman AJ, Gutterman LA, Yoe KB, Kemp VE Jr, Richardson DW Anticoagulants in acute myocardial infarction. The failure of anticoagulants to alter mortality in a randomized series. Am Heart J 1966;71:43-9 [5900864]

#### Loeliger, 1967:

Loeliger EA, Hensen A, Kroes F, van Dijk LM, Fekkes N, de Jonge H, Hemker HC A double-blind trial of long-term anticoagulant treatment after myocardial infarction. Acta Med Scand 1967;182:549-66 [4862156]

#### Lovell, 1967:

#### Seaman, 1969:

Seaman AJ, Griswold HE, Reaume RB, Ritzmann L Long-term anticoagulant prophylaxis after myocardial infarction. N Engl J Med 1969;281:115-9 [4307139] [10.1056/NEJM196907172810301](https://doi.org/10.1056/NEJM196907172810301)

**Sorensen, 1969:**

Sorensen OH, Friis T, Jorgensen AW, Jorgensen MB, Nissen NI Anticoagulant treatment of acute coronary thrombosis. Acta Med Scand 1969;185:65-72 [4185116]

**Meuwisse,, 1969:**

Meuwissen OJ, Vervoorn AC, Cohen O, Jordan FL, Nelemans FA Double blind trial of long-term anticoagulant treatment after myocardial infarction. Acta Med Scand 1969;186:361-8 [4985108]

**Drapkin and Merskey, 1972:**

Drapkin A, Merskey C Anticoagulant therapy after acute myocardial infarction. Relation of therapeutic benefit to patient's age, sex, and severity of infarction. JAMA 1972;222:541-8 [4117261]

## 5 atrial fibrillation

Trial	Treatments	Patients	Trials design and methods
<b>oral anticoagulant vs placebo</b>			
<b>EAFT , 1993</b> n=225/214 follow-up: 2.3 years	Oral anticoagulation standard dose(target INR 3.0 (2.5-4.0)) the choice of anticoagulant type was free but most physicians choose coumarin derivatives. versus placebo	Patient with non rheumatic AF and recent TIA or minor ischaemic stroke(secondary prevention).	Parallel groups Open

More details and results :

- antithrombotics for atrial fibrillation in secondary prevention of thromboembolic events at <http://www.trialresultscenter.org/go-Q392>

## References

**EAFT, 1993:**

Secondary prevention in non-rheumatic atrial fibrillation after transient ischaemic attack or minor stroke. EAFT (European Atrial Fibrillation Trial) Study Group. Lancet. 1993 Nov 20;342(8882):1255-62 [7901582]

## 6 venous thrombosis

Trial	Treatments	Patients	Trials design and methods
<b>Direct Oral Anticoagulants vs LMWH +/- Warfarin</b>			
CANVAS <i>ongoing</i> [NCT02744092] n=NA	-	-	

More details and results :

- antithrombotics for venous thrombosis in patients with cancer at <http://www.trialresultscenter.org/go-Q103>
- direct oral anticoagulant (DAO) for venous thrombosis in patients with cancer at <http://www.trialresultscenter.org/go-Q737>

## References

CANVAS, :

ongoing trial NCT02744092

## 7 coronary artery disease

Trial	Treatments	Patients	Trials design and methods
<b>anticoagulant vs no anticoagulant</b>			
MacMillan , 1960 n=NA	-	-	
Borchegrevink , 1960 n=NA	-	-	
Clausen , 1961 n=NA	-	-	
Harvald , 1961 n=NA	-	-	
Conrad , 1964 n=NA	-	-	
Wasserman , 1966 n=NA	-	-	
Loeliger , 1967 n=NA	-	-	
Lovell , 1967 n=NA	-	-	

continued...

Trial	Treatments	Patients	Trials design and methods
Seaman , 1969 n=NA	-	-	
Sorensen , 1969 n=NA	-	-	
Meuwisse, , 1969 n=NA	-	-	
Drapkin and Merskey , 1972 n=NA	-	-	

More details and results :

- anticoagulant for coronary artery disease in all type of patients at <http://www.trialresultscenter.org/go-Q673>

## References

### MacMillan, 1960:

MACMILLAN RL, BROWN K, WATT DL Long-term anticoagulant therapy after myocardial infarction. Can Med Assoc J 1960;83:567-70 [14419608]

MACMILLAN RL, BROWN K, WATT DL Long-term anticoagulant therapy after myocardial infarction. Can Med Assoc J 1960;83:567-70 [14419608]

### Borchegrevink, 1960:

### Clausen, 1961:

CLAUSEN J, ANDERSEN PE, ANDRESEN P, GRUELUND S, HARSLOF E, ANDERSEN UH, JORGENSEN J, MOSE C [Long-term anticoagulant treatment after acute coronary occlusion. Material with complete comparison with control material]. Ugeskr Laeger 1961;123:987-94 [13693953]

### Harvald, 1961:

### Conrad, 1964:

CONRAD LL, KYRIACOPOULOS JD, WIGGINS CW, HONICK GL PREVENTION OF RECURRENCES OF MYOCARDIAL INFARCTION; A DOUBLE-BLIND STUDY OF THE EFFECTIVENESS OF LONG-TERM ORAL ANTICOAGULANT THERAPY. Arch Intern Med 1964;114:348-58 [14171625]

### Wasserman, 1966:

Wasserman AJ, Gutterman LA, Yoe KB, Kemp VE Jr, Richardson DW Anticoagulants in acute myocardial infarction. The failure of anticoagulants to alter mortality in a randomized series. Am Heart J 1966;71:43-9 [5900864]

### Loeliger, 1967:

Loeliger EA, Hensen A, Kroes F, van Dijk LM, Fekkes N, de Jonge H, Hemker HC A double-blind trial of long-term anticoagulant treatment after myocardial infarction. Acta Med Scand 1967;182:549-66 [4862156]

### Lovell, 1967:

### Seaman, 1969:

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**Sorensen, 1969:**

Sorensen OH, Friis T, Jorgensen AW, Jorgensen MB, Nissen NI Anticoagulant treatment of acute coronary thrombosis. Acta Med Scand 1969;185:65-72 [4185116]

**Meuwisse,, 1969:**

Meuwissen OJ, Vervoorn AC, Cohen O, Jordan FL, Nelemans FA Double blind trial of long-term anticoagulant treatment after myocardial infarction. Acta Med Scand 1969;186:361-8 [4985108]

**Drapkin and Merskey, 1972:**

Drapkin A, Merskey C Anticoagulant therapy after acute myocardial infarction. Relation of therapeutic benefit to patient's age, sex, and severity of infarction. JAMA 1972;222:541-8 [4117261]

## 8 pulmonary embolism

Trial	Treatments	Patients	Trials design and methods
<b>anticoagulant vs no anticoagulant</b>			
<b>BARRIT , 1960</b> n=16/19 follow-up:	heparin IV 10000 UI every 6 hours for 6 doses, nicoumalone ajusted for prothrombin time between 2-3x control versus no anticoagulant	patients with pulmonary embolism	Parallel groups open

More details and results :

- antithrombotics for pulmonary embolism in all type of patients at <http://www.trialresultscenter.org/go-Q102>

### References

**BARRIT, 1960:**

BARRITT DW, JORDAN SC Anticoagulant drugs in the treatment of pulmonary embolism. A controlled trial. Lancet 1960 Jun 18;1:1309-12 [13797091]