

# Clinical trials of antiplatelets drug for thrombosis prevention in elective orthopedic surgery

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

## 1 platelet aggregation inhibitors

Trial	Treatments	Patients	Trials design and methods
<b>Aspirin vs no treatment</b>			
Pasteyer , 1977 n=20/20 follow-up: 2 weeks	Aspirin 1000mg daily + Hep versus control (Hep alone)	Elective orthopaedic surgery	Parallel groups
Rocha , 1986 n=60/30 follow-up: 1 weeks	Aspirin 250mg or 1000mg daily versus control (combination of heparin plus dihydroergotamine)	total hip replacement	Parallel groups open
<b>aspirin + dipyridamol vs no treatment</b>			
Lyon-I , 1975 n=20/20 follow-up: 2 weeks	Aspirin 1500 mg daily + Dipyridamole versus control	Elective orthopaedic surgery	
<b>Aspirin vs placebo</b>			
Stockholm-I , 1975 n=26/25 follow-up: 2 weeks	Aspirin 2000mg daily versus placebo	elective surgery of the hip	double blind
Harris-I , 1977 n=58/59 follow-up: 1 weeks	Aspirin 1200mg daily versus placebo	patients over 40 years of age, who had undergone total hip replacement	Parallel groups double-blind
McKenna-I , 1980 n=24/12 follow-up: 2 weeks	Aspirin 975mg or 3900mg daily versus placebo	total knee replacement	Parallel groups double-blind
Sautter , 1983 n=68/77 follow-up: 3 weeks	Aspirin 900mg daily + sulfipyrazone versus placebo	patient with total hip replacement	Parallel groups
McBride , 1983 n=21/22 follow-up: 1 weeks	A1800+Dipyridamole versus placebo	Elective orthopaedic surgery	
<b>aspirin + dipyridamol vs placebo</b>			
Hamburg , 1976 n=21/11 follow-up: 3 weeks	A+Dipyridamole,A1000 versus placebo	Elective orthopaedic surgery	
<b>Hydroxychloroquine vs placebo</b>			

continued...

<b>Trial</b>	<b>Treatments</b>	<b>Patients</b>	<b>Trials design and methods</b>
<b>Massachusetts-II , 1976</b> n=51/51 follow-up: 3 weeks	Hydroxychloroquine 600mg daily versus placebo	fractures or orthopaedic operations involving the skeleton between the knee and the pelvis	
<b>Cooke , 1977</b> n=25/25 follow-up: 2 weeks	Hydroxychloroquine versus placebo	elective surgery on the hip	Parallel groups double-blind
<b>Hume-A , 1977</b> n=20/20 follow-up: 2 weeks	Hydroxychloroquine versus placebo	total hip replacement	
<b>Stockholm-II , 1981</b> n=18/17 follow-up: 2 weeks	Hydroxychloroquine versus placebo	total hip replacement	
<b>Ticlopidine vs placebo</b>			
<b>McKenna-II , 1983</b> n=29/29 follow-up: 2 weeks	Ticlopidine versus placebo	Elective orthopaedic surgery	
<b>Lyon-II , 3000</b> n=20/20 follow-up: 3 weeks	Ticlopidine versus placebo	Elective orthopaedic surgery	
<b>Gardecki , 3000</b> n=48/46 follow-up: 2 weeks	Ticlopidine versus placebo	Elective orthopaedic surgery	

2

## References

### Pasteyer, 1977:

Flicoteaux H, Kher A, Jean N, Blery M, Judet T, Honnart F, et al. Comparison of low dose heparin and low dose heparin combined with aspirin in prevention of deep vein thrombosis after total hip replacement. *Pathol Biol (Paris)* 1977;25(suppl):55-8.

### Rocha, 1986:

Alfaro MJ, Pramo JA, Rocha E Prophylaxis of thromboembolic disease and platelet-related changes following total hip replacement: a comparative study of aspirin and heparin-dihydroergotamine. *Thromb Haemost* 1986;56:53-6 [3535158]

### 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]

### Stockholm-I, 1975:

Soreff J, Johnsson H, Diener L, Gransson L Acetylsalicylic acid in a trial to diminish thromboembolic complications after elective hip surgery. *Acta Orthop Scand* 1975;46:246-55 [1096521]

### Harris-I, 1977:

Harris WH, Salzman EW, Athanasoulis CA, Waltman AC, DeSanctis RW Aspirin prophylaxis of venous thromboembolism after total hip replacement. *N Engl J Med* 1977;297:1246-9 [335247]

### McKenna-I, 1980:

McKenna R, Galante J, Bachmann F, Wallace DL, Kaushal PS, Meredith P Prevention of venous thromboembolism after total knee replacement by high-dose aspirin or intermittent calf and thigh compression. *Br Med J* 1980;280:514-7 [6989432]

**Sautter, 1983:**

Sautter RD, Koch EL, Myers WO, Ray JR 3rd, Mazza JJ, Larson DE, Chen HM, Milbauer JP, Treuhaf PS, Plotka ED Aspirin-sulfinpyrazone in prophylaxis of deep venous thrombosis in total hip replacement. JAMA 1983;250:2649-54 [6355542]

**McBride, 1983:**

McBride JA, Turpie AG, Kraus V, Hiltz C. Failure of aspirin and dipyridamole to influence the incidence of leg scan detected venous thrombosis after elective hip surgery Thrombosis et Diathesis Haemorrhagica 1975;34:abstract 204.

**Hamburg, 1976:**

Boehringer Ingelheim DVT nach Hirntumoroperationen Boehringer Ingelheim, 1976. (Internal report.)

**Massachusetts-II, 1976:**

Chrisman OD, Snook GA, Wilson TC, Short JY Prevention of venous thromboembolism by administration of hydroxychloroquine. A preliminary report. J Bone Joint Surg Am 1976;58:918-20 [789380]

**Cooke, 1977:**

Cooke ED, Dawson MH, Ibbotson RM, Bowcock SA, Ainsworth ME, Pilcher MF Failure of orally administered hydroxychloroquine sulphate to prevent venous thromboembolism following elective hip operations. J Bone Joint Surg Am 1977;59:496-500 [325009]

**Hume-A, 1977:**

Hume M, Bierbaum B, Kuriakose TX, Surprenant, J Prevention of postoperative thrombosis by aspirin. Am J Surg 1977;133:420-2 [322520]

Hume M, Donaldson WR, Surprenant J Sex, aspirin, and venous thrombosis. Orthop Clin North Am 1978;9:761-7 [358040]

**Stockholm-II, 1981:**

Johansson E, Forsberg K, Johnsson H Clinical and experimental evaluation of the thromboprophylactic effect of hydroxychloroquine sulfate after total hip replacement. Haemostasis 1981;10:89-96 [7007179]

**McKenna-II, 1983:**

McKenna R, Galante J, Molony B, Kamm B. Failure of ticlopidine hydrochloride to prevent DVT in orthopedic patients Blood 1983;62(suppl 1):304A

**Lyon-II, 3000:****Gardecki, 3000:**

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

## 2 About TrialResults-center.org

TrialResults-center is an innovative knowledge database that collects the results of RCTs and provides dynamic interactive systematic reviews and meta-analysis in the field of all major heart and vessels diseases.

The TrialResults-center database provides a unique view of the treatment efficacy based on all data provided directly from clinical trial results, offering a valuable alternative to personal bibliographic search, published meta-analysis, etc. Furthermore, it would allow comparing easily the various concurrent therapeutic for the same clinical condition.

Rigorous meta-analysis method is used to populate TrialResults-center: widespread search of published and non published trials, study selection using pre-specified criteria, data extraction using standard form.

TrialResults-center is continually updated on a weekly basis. We continually search all new results (whatever their publication channel) and these news results are immediately added to the database with a maximum of 1 week.

TrialResults-center is non-profit and self-funded.