

Clinical trials of antiplatelets drug for DVT prophylaxis in general surgery

TrialResults-center www.trialresultscenter.org

1 platelet aggregation inhibitors

| Trial | Treatments | Patients | Trials design and methods |
|-----------------------------------------|------------------------------------------------|----------|---------------------------|
| aspirin vs control | | | |
| Clagett , 1975 n=56/49 | A1300 versus control | - | open |
| Zekert VI , 1982 n=50/50 | A1500 versus control | - | open |
| dipyridamol + aspirin vs control | | | |
| Parodi I , 1973 n=40/22 | Dip,A1000+Dip versus control | - | open |
| Parodi II , 1973 n=91/35 | A1500,Dip,A+Dip versus control | - | open |
| Australian I , 1975 n=75/75 | A1000+Dip versus control | - | open |
| Australian II , 1976 n=85/75 | A1000+Dip versus control | - | open |
| Toulouse I , 1979 n=38/66 | A990+Dip versus control | - | open |
| Zekert-III , 1977 n=135/46 | A1500,A1300+Dip,A1000+Dip versus control | - | open |
| Harjola DVT , 1982 n=300/100 | A1500,Dip,A+Dip versus control | - | open |
| Weiss , 1977 n=30/36 | A990+Dip versus control | - | open |
| sp vs control | | | |
| Veth , 1985 n=120/118 | Sp+Hep v Hep versus control | - | open |
| aspirin vs placebo | | | |

continued...

| Trial | Treatments | Patients | Trials design and methods |
|--------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------------------------------|
| MRC , 1972 n=153/150 | A600 versus placebo | general surgery | double-blind |
| Loew DVT , 1974 n=702/679 | A600 versus Placebo | - | double-blind |
| Erfurt-A , 1979 n=357/357 | A1500 versus Placebo | - | double-blind |
| Zekert V , 1980 n=50/49 | A1500+Hep??? | - | double-blind |
| Vinazzer I , 1980 n=402/404 | A1500+Hep v Hep versus Placebo | - | double-blind |
| Vinazzer II , 1977 n=62/62 | A1000+Hepv Hep versus Placebo | - | double-blind |
| PEP hip-fracture , 2000 n=6679/6677 follow-up: 35 days | aspirin 160mg/d started preoperatively and continued for 35 days versus placebo | patients undergoing surgery for hip fracture | Parallel groups Double blind Australia, New Zealand, South Africa, |
| PEP elective arthroplasty , 2000 n=2047/2041 follow-up: 35 days | aspirin 160mg/d started preoperatively and continued for 35 daysA versus placebo | Patients undergoing elective hip or knee arthroplasty | Parallel groups Double blind New Zealand |
| dipyridamol + aspirin vs placebo | | | |
| 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 |
| hydroxychloroquine vs placebo | | | |
| Carter IA , 1971 n=284/281 | Hydroxy versus placebo | - | double-blind |
| Carter IB , 1971 n=26/26 | Hydroxy versus placebo | - | double-blind |
| Carter II , 1974 n=107/97 | Hydroxy versus Placebo | - | double-blind |

continued...

| Trial | Treatments | Patients | Trials design and methods |
|---------------------------------------------|----------------------------------|----------|---------------------------|
| New York , 1977 n=46/44 | Hydroxy versus placebo | - | double-blind |
| Vermont , 1975 n=50/58 | Hydroxy versus placebo | - | double-blind |
| sp vs placebo | | | |
| Athens , 1981 n=48/48 | Sp versus placebo | - | double-blind |
| Suloctidil vs placebo | | | |
| Turpie , 1985 n=68/68 | Suloctidil versus Placebo | - | double-blind |
| 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 |

3

References

Clagett, 1975:

Clagett GP, Schneider P, Rosoff CB, Salzman EW The influence of aspirin on postoperative platelet kinetics and venous thrombosis. *Surgery* 1975;77:61-74 [[1109518](#)]

Zekert VI, 1982:

Zekert F, Schemper M, Neumann K Acetylsalicylic acid in combination with dihydroergotamine for preventing thromboembolism. *Haemostasis* 1982;11:149-53 [[7095604](#)]

Parodi I, 1973:

Parodi JC, Grandi A, Font E, Rotondaro D, Iorio J, Manrique J. El dipiridamol y el acido acetilsalicilico en la profilaxis de las trombosis venosas postoperatorias de los miembros inferiores *Dia Med* 1973;45:92-3.

Parodi II, 1973:

Parodi JC, Grandi A, Font E, Rotondaro D, Iorio J, Manrique J. El dipiridamol y el acido acetilsalicilico en la profilaxis de las trombosis venosas postoperatorias de los miembros inferiores *Dia Med* 1973;45:92-3.

Australian I, 1975:

O'Sullivan EF, Renney]T. Antiplatelet drugs in the prevention of postoperative deep vein thrombosis In: *Proceedings of III congress of Interiational Societyfor Thrombosis andHaemnostasis (Washington)*. 1972:438.

Australian II, 1976:

Renney JT, O'Sullivan EF, Burke PF Prevention of postoperative deep vein thrombosis with dipyridamole and aspirin. *Br Med J* 1976;1:992-4 [[773495](#)]

Toulouse I, 1979:

Plante J, Boneu B, Vaysse C, Barret A, Gouzi M, Bierme R Dipyridamole-aspirin versus low doses of heparin in the prophylaxis of deep venous thrombosis in abdominal surgery. *Thromb Res* 1979;14:399-403 [[442014](#)]

Zekert-III, 1977:

Zekert F. Prophylaxe von phlebothrombosen und lungenembolien mit aggregationshemmern In: Zekert F, ed. Thrombosen, Embolien und Aggregationshemmer in der Chirurgie. Stuttgart: Schattauer, 1975:75-88.

Harjola DVT, 1982:

Harjola P, Meurala H, Frick AMH. Prevention of deep venous thrombosis and thrombo-embolism by dipyridamole and acetylsalicylic acid after revascularization of arterial surgery. *J Cardiovasc Surg* 1980;21:451-4.

Weiss, 1977:

Weiss V, Jekiel M, Ritschard J, Bouvier CA. Prevention of the thrombo-embolic post-operative disease by anti-aggregants in surgical gynecology. *Medicine et Hygiene (Geneve)* 1977;35:943-4.

Veth, 1985:

Veth G, Meuwissen OJ, van Houwelingen HC, Sixma JJ Prevention of postoperative deep vein thrombosis by a combination of subcutaneous heparin with subcutaneous dihydroergotamine or oral sulphinpyrazone. *Thromb Haemost* 1985;54:570-3 [[4089792](#)]

MRC, 1972:

Effect of aspirin on postoperative venous thrombosis. Report of the Steering Committee of a trial sponsored by the Medical Research Council. *Lancet* 1972;2:441-5 [[4115340](#)]

Loew DVT, 1974:

Loew D, Wellmer HK, Baer U, Merguet H, Rumpf P, Petersen H, et al. Postoperative thromboembolie-prophylaxe mit acetylsalicylsäure. *Dtsch Med Wschr* 1974;99:565-72.

Erfurt-A, 1979:

Schreiber U, Hartung B. Postoperative thromboembolieprophylaxe bei patienten mit allgemeinchirurgischen operationen. *Chirurg* 1979;104: 1214-20.

Zekert V, 1980:

Zekert F, Hofbauer F, Mhlbacher F [Prophylaxis of thromboembolism in abdominal surgery. Comparison of low dose heparin, acetylsalicylic acid and their combination (author's transl)] *MMW Munch Med Wochenschr* 1980;122:1495-8 [[6780841](#)]

Vinazzer I, 1980:

Vinazzer H, Loew D, Simma W, Brcke P Prophylaxis of postoperative thromboembolism by low dose heparin and by acetylsalicylic acid given simultaneously. A double blind study. *Thromb Res* 1980;17:177-84 [[7376128](#)]

Vinazzer II, 1977:

Loew D, Brcke P, Simma W, Vinazzer H, Dienstl E, Boehme K Acetylsalicylic acid, low dose heparin, and a combination of both substances in the prevention of postoperative thromboembolism. A double blind study. *Thromb Res* 1977;11:81-6 [[329468](#)]

PEP hip-fracture, 2000:

Prevention of pulmonary embolism and deep vein thrombosis with low dose aspirin: Pulmonary Embolism Prevention (PEP) trial. *Lancet* 2000 Apr 15;355:1295-302 [[10776741](#)]

PEP elective arthroplasty, 2000:

Prevention of pulmonary embolism and deep vein thrombosis with low dose aspirin: Pulmonary Embolism Prevention (PEP) trial. *Lancet* 2000 Apr 15;355:1295-302 [[10776741](#)]

Encke IA, 1976:

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

Schreiber U, Hartung B [Prevention of postoperative thromboembolism with micristin in general surgical patients (author's transl)] *Zentralbl Chir* 1979;104:1214-20 [[543338](#)]

Encke IB, 1976:

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

Carter IA, 1971:

Carter AE, Eban R, Perrett RD Prevention of postoperative deep venous thrombosis and pulmonary embolism. *Br Med J* 1971;1:312-4 [[5100262](#)]

Carter IB, 1971:

Carter AE, Eban R, Perrett RD Prevention of postoperative deep venous thrombosis and pulmonary embolism. *Br Med J* 1971;1:312-4 [[5100262](#)]

Carter II, 1974:

Carter AE, Eban R Prevention of postoperative deep venous thrombosis in legs by orally administered hydroxychloroquine sulphate. *Br Med J* 1974;3:94-5 [[4853767](#)]

New York, 1977:

Wu TK, Tsapogas MJ, Jordan FR Prophylaxis of deep venous thrombosis by hydroxychloroquine sulfate and heparin. Surg Gynecol Obstet 1977;145:714-8 [333643]

Vermont, 1975:

Pilcher DB Hydroxychloroquine sulfate in prevention of thromboembolic phenomena in surgical patients. Am Surg 1975;41:761-6 [1203006]

Athens, 1981:

Arapakis G, Trovas A, Orphanoudalus Li, Vassilikus P. sulphinyprazone and prevention of postoperative deep venous thrombQis Thromb Haemost 1981;46:401.

Turpie, 1985:

Turpie AG, Gent M, Doyle DJ, Saerens E, de Boer AC, Talbot C, McNamee J, Hirsh J An evaluation of suloctidil in the prevention of deep vein thrombosis in neurosurgical patients. Thromb Res 1985;39:173-81 [2992116]

Lasierra, 1982:

Lasierra J, Arevalo A, Vilades E, Hebrero J, Espinosa H, Yanguela J, et al. Effect of ticlopidin on the risk of thromboembolic disease in the pistoperation. Haemostasis 1982;12:104.

Walker, 1974:

Walker MG. Assessment of effect of ticlopidine on intcidence of deep vein thrombosiu in patients undergoing major surgery Guildford: Sanofi Winthrop, 1983. (Sanofi intemal report 001.6.245.)

Entry terms: 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.