

Clinical trials of UFH for thrombosis prevention in all type of surgery

TrialResults-center www.trialresultscenter.org

1 unfractionated heparin

Trial	Treatments	Patients	Trials design and methods
UFH vs no treatment			
Abernethy , 1974 n=63/62	UFH twice daily for 7 days versus no treatment	all other general surgery	
Abraham-Inpijn , 1979 n=20/20	UFH twice daily for 7 days versus no treatment	all other general surgery	
Allen , 1978 n=30/30	UFH twice daily for D versus no treatment	urologic surgery	
Bergqvist , 1979 n=84/77	UFH twice daily for 5 days versus no treatment	elective orthopedic surgery	
Bergqvist , 1979 n=32/23	UFH twice daily for 5 days versus no treatment	traumatic orthopedic surgery	
Bergqvist , 1980 n=53/58	UFH twice daily for 5 days versus no treatment	all other general surgery	
Caloghera , 1984 n=40/40	UFH 3 times daily for 7 days versus no treatment	all other general surgery	
Clarke-Pearson , 1983 n=95/105	UFH twice daily for 7 days versus no treatment	all other general surgery	
Coe , 1978 n=28/24	UFH twice daily for D versus no treatment	urologic surgery	
Dechavanne , 1974 n=29/29	UFH 3 times daily for 10 days versus no treatment	elective orthopedic surgery	
Dechavanne , 1975 n=20/21	UFH 3 times daily for 10 days versus no treatment	elective orthopedic surgery	
Galasko , 1976 n=50/50	UFH twice daily (duration unknown) versus no treatment	traumatic orthopedic surgery	

continued...

Trial	Treatments	Patients	Trials design and methods
Gallus , 1973 n=23/23	UFH 3 times daily for A versus no treatment	traumatic orthopedic surgery	
Gallus , 1973 n=8/9	UFH twice daily for A days versus no treatment	elective orthopedic surgery	
Gallus , 1973 n=100/109	UFH 3 times daily for A versus no treatment	all other general surgery	
Gallus , 1976 n=408/412	UFH 3 times daily for 7 days versus no treatment	all other general surgery	
Gordon-Smith , 1972 n=NA	UFH twice daily for 5 days versus no treatment	all other general surgery	
Groote Schuur , 1979 n=323/323	UFH 3 times daily for 6 days versus no treatment	all other general surgery	
Gruber n=119/113	UFH 3 times daily for 7 days versus no treatment	All other general surgery	
Kakkar (IMT) n=2111/2137	UFH 3 times daily for 7 days versus no treatment	All other general surgery	
Kettunen , 1974 n=83/117	UFH 3 times daily for 7 days versus no treatment	all other general surgery	
Kopenhagen , 1982 n=162/50	UFH twice daily versus no treatment	all other general surgery	
Kraytman , 1976 n=21/28	UFH 3 times daily for 6 days versus no treatment	all other general surgery	
Kraytman , 1977 n=23/27	UFH 3 times daily for 6 days versus no treatment	all other general surgery	
Mannucci , 1976 n=23/24	UFH 3 times daily for 7 days versus no treatment	elective orthopedic surgery	
Marchelli , 1983 n=30/30	UFH 3 times daily for ? versus no treatment	all other general surgery	
Morris , 1974 n=36/36	UFH twice daily for 10 days versus no treatment	elective orthopedic surgery	

continued...

Trial	Treatments	Patients	Trials design and methods
Morris , 1977 n=24/24	UFH 3 times daily for 10 days versus no treatment	traumatic orthopedic surgery	
Multiunit , 1974 n=128/128	UFH twice daily for 7 days versus no treatment	all other general surgery	
Nicolaides , 1972 n=128/122	UFH twice daily for 7 days versus no treatment	all other general surgery	
Plante , 1979 n=42/66	UFH twice daily for 8 days versus no treatment	all other general surgery	
Sagar , 1974 n=264/236	UFH twice daily for 5 days versus no treatment	all other general surgery	
Sebeseri , 1975 n=34/31	UFH twice daily for D versus no treatment	urologic surgery	
Spebar , 1981 n=24/19	UFH twice daily for 5-7 days versus no treatment	all other general surgery	
VTCSG , 1975 n=34/30	UFH twice daily for 10 days versus no treatment	elective orthopedic surgery	
Welin-Berger , 1982 n=20/20	UFH twice daily for 7 days versus no treatment	elective orthopedic surgery	
Ziemski , 1979 n=30/20	UFH 3 times daily for 2 days versus no treatment	all other general surgery	
UFH vs placebo			
Abraham-Inpijn , 1975 n=12/13	UFH twice daily for 8 days versus placebo	elective orthopedic surgery	
Bejjani , 1983 n=17/17	UFH twice daily for 2 days versus placebo	urologic surgery	
Belch , 1980 n=24/25	UFH twice daily for 7 days versus placebo	all other general surgery	
Covey , 1975 n=53/52	UFH twice daily for 8 days versus placebo	all other general surgery	

continued...

Trial	Treatments	Patients	Trials design and methods
Hampson , 1974 n=48/52	UFH 3 times daily for 7- 10 days versus placebo	elective orthopedic surgery	
Hedlund , 1979 n=30/29	UFH 3 times daily for 5 days versus placebo	urologic surgery	
Jourdan , 1984 n=21/21	UFH twice daily for 5 days versus placebo	all other general surgery	
Kakkar , 1972 n=39/39	UFH twice daily for 7 days versus placebo	All other general surgery	
Kiil , 1978 n=650/663	UFH twice daily for 7 days versus placebo	All other general surgery	
Kraytman , 1977 n=25/22	UFH 3 times daily for 6 days versus placebo	all other general surgery	
Kruse-Blinkenberg , 1980 n=29/33	UFH 3 times daily for 8 days versus placebo	all other general surgery	
Kutnowski , 1977 n=6/13	UFH 3 times daily for 6 days versus placebo	urologic surgery	
Lahnborg , 1975 n=58/54	UFH twice daily for 5 days versus placebo	all other general surgery	
Lahnborg , 1976 n=24/24	UFH twice daily for 5 days versus placebo	all other general surgery	
Lahnborg , 1980 n=70/69	UFH twice daily for 10 days versus placebo	traumatic orthopedic surgery	
Lawrence , 1977 n=133/129	UFH twice daily for 5 days versus placebo	all other general surgery	
Lowe , 1981 n=51/49	UFH twice daily for 16 days versus placebo	elective orthopedic surgery	
Marchetti , 1982 n=16/13	UFH 3 times daily versus placebo	all other general surgery	
Moskovitz , 1978 n=29/23	UFH 3 times daily for 7 days versus placebo	traumatic orthopedic surgery	

continued...

Trial	Treatments	Patients	Trials design and methods
Moskovitz , 1978 n=35/32	UFH 3 times daily for 7 days versus placebo	elective orthopedic surgery	
Muiticentre , 1984 n=222/108	UFH twice daily for 5-7 days versus placebo	all other general surgery	
Ribaudo , 1975 n=75/75	UFH twice daily for 4 days versus placebo	all other general surgery	
Roberts , 1975 n=39/45	UFH twice daily for 7 days versus placebo	all other general surgery	
Strand , 1975 n=55/55	UFH twice daily for 7 days versus placebo	all other general surgery	
Svend-Hansen , 1981 n=65/65	UFH 3 times daily for 14 days versus placebo	traumatic orthopedic surgery	
Taberner , 1978 n=50/50	UFH twice daily for 7 days versus placebo	all other general surgery	
Torngren n=47/62	UFH twice daily for 6-8 days versus placebo	all other general surgery	
Torngren , 1978 n=10/10	UFH 3 times daily for 6-8 days versus placebo	all other general surgery	
Torngren , 1978 n=66/62	UFH twice daily for 6-8 days versus placebo	all other general surgery	
Vandendris , 1980 n=32/33	UFH 3 times daily for 6 days versus placebo	urologic surgery	
Williams , 1978 n=106/106	UFH twice daily for 14 days versus placebo	elective orthopedic surgery	
Wu , 1977 n=44/44	UFH twice daily for 7 days versus placebo	all other general surgery	
Xabregas , 1977 n=27/26	UFH twice daily for 14 days versus placebo	traumatic orthopedic surgery	
UFH vs aspirin			

continued...

Trial	Treatments	Patients	Trials design and methods
Loew , 1977 n=60/67	UFH twice daily for 7 days versus aspirin	all other general surgery	
Vinazzer , 1980 n=402/404	UFH twice daily for A days versus aspirin	all other general surgery	
UFH vs DHE			
Muiticentre , 1984 n=226/110	UFH twice daily for 5-7 days versus DHE	all other general surgery	
Muiticentre 53,S4 , 1984 n=214/110	UFH twice daily for 5-7 days versus DHE	all other general surgery	
UFH vs oral anticoagulant			
van Geloven , 1977 n=74/80	UFH twice daily for 4 days versus Oral anticoagulant	all other general surgery	

References

Abernethy, 1974:

Abernethy EA, Hartsuck JM Postoperative pulmonary embolism. A prospective study utilizing low dose heparin. Am J Surg 1974;128:739-42 [4432994]

Abraham-Inpijn, 1979:

Abraham-Inpijn L Critical evaluation of low-dose heparin in laryngectomy. Arch Chir Neerl 1979;31:9-15 [443830]

Allen, 1978:

Allen NH, Jenkins JD, Smart CJ Surgical haemorrhage in patients given subcutaneous heparin as prophylaxis against thromboembolism. Br Med J 1978;1:1326 [647262]

Bergqvist , 1979:

Bergqvist D, Efsing HO, Hallbk T, Hedlund T Thromboembolism after elective and post-traumatic hip surgery—a controlled prophylactic trial with dextran 70 and low-dose heparin. Acta Chir Scand 1979;145:213-8 [386676]

Bergqvist, 1979:

Bergqvist D, Efsing HO, Hallbk T, Hedlund T Thromboembolism after elective and post-traumatic hip surgery—a controlled prophylactic trial with dextran 70 and low-dose heparin. Acta Chir Scand 1979;145:213-8 [386676]

Bergqvist, 1980:

Bergqvist D, Hallbk T Prophylaxis of postoperative venous thrombosis in a controlled trial comparing dextran 70 and low-dose heparin. World J Surg 1980;4:239-43 [6157256]

Caloghera, 1984:

Caloghera C, Bordos D, Miculit F, Aboubakr W, Teodorescu C, Vancea D [Prevention of postoperative thromboembolism with small doses of heparin] Rev Chir Oncol Radiol O R L Oftalmol Stomatol Chir 1984;33:161-7 [6238351]

Clarke-Pearson, 1983:

Clarke-Pearson DL, Coleman RE, Synan IS, Hinshaw W, Creasman WT Venous thromboembolism prophylaxis in gynecologic oncology: a prospective, controlled trial of low-dose heparin. Am J Obstet Gynecol 1983;145:606-13 [6338722]

Coe, 1978:

Coe NP, Collins RE, Klein LA, Bettmann MA, Skillman JJ, Shapiro RM, Salzman EW Prevention of deep vein thrombosis in urological patients: a controlled, randomized trial of low-dose heparin and external pneumatic compression boots. Surgery 1978;83:230-4 [622696]

Dechavanne, 1974:

Dechavanne M, Saudin F, Viala JJ, Kher A, Bertrix L, de Mourgues G [Prevention of venous thrombosis. Success of high doses of heparin during total hip replacement for osteoarthritis] *Nouv Presse Med* 1974;3:1317-9 [[4843085](#)]

Dechavanne, 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](#)]

Galasko , 1976:

Galasko CS, Edwards DH, Fearn CB, Barber HM The value of low dosage heparin for the prophylaxis of thromboembolism in patients with transcervical and intertrochanteric femoral fractures. *Acta Orthop Scand* 1976;47:276-82 [[782146](#)]

Gallus , 1973:

Gallus AS, Hirsh J, Tuttle RJ, Trebilcock R, O'Brien SE, Carroll JJ, Minden JH, Hudecki SM Small subcutaneous doses of heparin in prevention of venous thrombosis. *N Engl J Med* 1973;288:545-51 [[4568221](#)]

Gallus , 1973:

Gallus AS, Hirsh J, Tuttle RJ, Trebilcock R, O'Brien SE, Carroll JJ, Minden JH, Hudecki SM Small subcutaneous doses of heparin in prevention of venous thrombosis. *N Engl J Med* 1973;288:545-51 [[4568221](#)]

Gallus, 1973:

Gallus AS, Hirsh J, Tuttle RJ, Trebilcock R, O'Brien SE, Carroll JJ, Minden JH, Hudecki SM Small subcutaneous doses of heparin in prevention of venous thrombosis. *N Engl J Med* 1973;288:545-51 [[4568221](#)]

Gallus, 1976:

Gallus AS, Hirsh J, O'Brien SE, McBride JA, Tuttle RJ, Gent M Prevention of venous thrombosis with small, subcutaneous doses of heparin. *JAMA* 1976;235:1980-2 [[946507](#)]

Gordon-Smith, 1972:

Gordon-Smith IC, Le Quesne LP, Grundy DJ, Newcombe JF, Bramble FJ Controlled trial of two regimens of subcutaneous heparin in prevention of postoperative deep-vein thrombosis. *Lancet* 1972;1:1133-5 [[4113052](#)]

Groote Schuur, 1979:

Failure of low-dose heparin to prevent significant thromboembolic complications in high-risk surgical patients: interim report of prospective trial. Groote Schuur Hospital Thromboembolus Study Group. *Br Med J* 1979;1:1447-50 [[380742](#)]

Gruber, 0:

Gruber UF, Duckert F, Fridrich R, Torhorst J, Rem J Prevention of postoperative thromboembolism by dextran 40, low doses of heparin, or xantinol nicotinate. *Lancet* 1977;1:207-10 [[64746](#)]

Kakkar (IMT), 0:

Prevention of fatal postoperative pulmonary embolism by low doses of heparin. An international multicentre trial. *Lancet* 1975;2:45-51 [[49649](#)]

Kakkar VV, Corrigan TP, Fossard DP, Sutherland I, Thirwell J Prevention of Fatal Postoperative pulmonary embolism by low doses of heparin. Reappraisal of results of international multicentre trial. *Lancet* 1977;1:567-9 [[65660](#)]

Kettunen, 1974:

Kettunen K, Poikolainen E, Karjalainen P, Oksala I, Alhava E, Rehnberg V, Huttunen H, Mattila M [Prevention of postoperative deep vein thrombosis with small doses of heparin] *Duodecim* 1974;90:834-8 [[4426267](#)]

Kopenhagen, 1982:

Kopenhagen K, Matthes M [Heparin-dihydroergot or heparin alone in thrombosis prophylaxis?] *Med Welt* 1982;33:216-23 [[7070283](#)]

Kraytman, 1976:

Kraytman M, Kutnowski M, Ansay J, Fastrez R [Prophylaxis of postoperative deep vein thromboses by means of weak doses of subcutaneous heparin (author's transl)] *Acta Chir Belg* 1976;75:519-29 [[1015181](#)]

Kraytman, 1977:

Kraytman M, Kutnowski M, Ansay J, Vandendris M, Fastrez R, Steinberger R [Prevention of postoperative venous thrombosis with small doses of subcutaneous heparin] Acta Clin Belg 1977;32:422-7 [358713]

Mannucci , 1976:

Mannucci PM, Citterio LE, Panajotopoulos N Low-dose heparin and deep-vein thrombosis after total hip replacement. Thromb Haemost 1976;36:157-64 [1036806]

Marchelli, 1983:

Marchetti V, Beati C, Pogliani EM, Vincere G [Low-dose calcium-heparin prophylaxis in thoracic surgery. Bleeding, changes in coagulation and fibrinolysis] Minerva Med 1983;74:1745-8 [6866306]

Morris, 1974:

Morris GK, Henry AP, Preston BJ Prevention of deep-vein thrombosis by low-dose heparin in patients undergoing total hip replacement. Lancet 1974;2:797-800 [4138248]

Morris , 1977:

Morris GK, Mitchell JR Preventing venous thromboembolism in elderly patients with hip fractures: studies of low-dose heparin, dipyridamole, aspirin, and flurbiprofen. Br Med J 1977;1:535-7 [843794]

Multunit, 1974:

Heparin versus dextran in the prevention of deep-vein thrombosis. A multi-unit controlled trial. Lancet 1974;2:118-20 [4135556]

Nicolaides, 1972:

Nicolaides AN, Dupont PA, Desai S, Lewis JD, Douglas JN, Dodsworth H, Fourides G, Luck RJ, Jamieson CW Small doses of subcutaneous sodium heparin in preventing deep venous thrombosis after major surgery. Lancet 1972;2:890-3 [4116600]

Plante, 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]

Sagar, 1974:

Sagar S Heparin prophylaxis against fatal postoperative pulmonary embolism. Br Med J 1974;2:153-5 [4825114]

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]

Sebeseri, 1975:

Sebeseri O, Kummer H, Zingg E Controlled prevention of post-operative thrombosis in urological diseases with depot heparin. Eur Urol 1975;1:229-30 [1233188]

Spebar, 1981:

Spebar MJ, Collins GJ Jr, Rich NM, Kang IY, Clagett GP, Salander JM Perioperative heparin prophylaxis of deep venous thrombosis in patients with peripheral vascular disease. Am J Surg 1981;142:649-50 [7316026]

VTCSG, 1975:

Small doses of subcutaneous sodium heparin in the prevention of deep vein thrombosis after elective hip operations. Br J Surg 1975;62:348-50 [1139128]

Welin-Berger, 1982:

Welin-Berger T, Bygdeman S, Mebius C Deep vein thrombosis following hip surgery. Relation to activated factor X inhibitor activity: effect of heparin and dextran. Acta Orthop Scand 1982;53:937-45 [6184938]

Ziemski, 1979:

Ziemski JM, Kostrzevska E, Marchlewski S, Wiczorek K, Rudowski W, Michalski R, Lopaciuk S, Kolakowski L, Sawicki F [Efficacy of small doses of heparin given during 2 to 6 days in the prevention of postoperative deep vein thrombosis] Pol Tyg Lek 1979;34:161-4 [432128]

Abraham-Inpijn , 1975:

Abraham-Inpijn L, Vreeken J Effect of low-dose heparin on incidence of postoperative thrombosis in orthopaedic patients. Arch Chir Neerl 1975;27:63-8 [1098580]

Bejjani, 1983:

Bejjani BB, Chen DC, Nolan NG, Edson M Minidose heparin in transurethral prostatectomy. *Urology* 1983;22:251-4 [6623770]

Belch, 1980:

Belch JJ, Lowe GD, Pollock JG, Forbes CD, Prentice CR Low dose heparin in the prevention of deep-vein thrombosis after aortic bifurcation graft surgery. *Thromb Haemost* 1980;42:1429-33 [7368149]

Covey, 1975:

Covey TH, Sherman L, Baue AE Low-dose heparin in postoperative patients: a prospective, coded study. *Arch Surg* 1975;110:1021-6 [1100014]

Hampson, 1974:

Hampson WG, Harris FC, Lucas HK, Roberts PH, McCall IW, Jackson PC, Powell NL, Staddon GE Failure of low-dose heparin to prevent deep-vein thrombosis after hip-replacement arthroplasty. *Lancet* 1974;2:795-7 [4138905]

Hedlund, 1979:

Hedlund PO, Blombck M The effect of prophylaxis with low dose heparin on blood coagulation parameters. A double blind study in connection with transvesical prostatectomy. *Thromb Haemost* 1979;41:337-45 [382433]

Hedlund PO, Blombck M The effects of low-dose heparin treatment on patients undergoing transvesical prostatectomy. *Urol Res* 1981;9:147-52 [7257029]

Jourdan, 1984:

Jourdan M, McColl I The use of prophylactic subcutaneous heparin in patients undergoing hernia repairs. *Br J Clin Pract* 1984;38:298-300 [6477809]

Kakkar, 1972:

Kakkar VV, Corrigan T, Spindler J, Fossard DP, Flute PT, Crellin RQ, Wessler S, Yin ET Efficacy of low doses of heparin in prevention of deep-vein thrombosis after major surgery. A double-blind, randomised trial. *Lancet* 1972;2:101-6 [4113891]

Kiil, 1978:

Kiil J, Kiil J, Axelsen F, Andersen D Prophylaxis against postoperative pulmonary embolism and deep-vein thrombosis by low-dose heparin. *Lancet* 1978;1:1115-6 [77413]

Kraytman, 1977:

Kraytman M, Kutnowski M, Ansay J, Vandendris M, Fastrez R, Steinberger R [Prevention of postoperative venous thrombosis with small doses of subcutaneous heparin] *Acta Clin Belg* 1977;32:422-7 [358713]

Kruse-Blinkenberg, 1980:

Kruse-Blinkenberg HO, Gormsen J The influence of low dose heparin in elective surgery on blood coagulation, fibrinolysis, platelet function, antithrombin III and antiplasmin. *Acta Chir Scand* 1980;146:375-82 [7008475]

Kutnowski, 1977:

Kraytman M, Kutnowski M, Ansay J, Vandendris M, Fastrez R, Steinberger R [Prevention of postoperative venous thrombosis with small doses of subcutaneous heparin] *Acta Clin Belg* 1977;32:422-7 [358713]

Lahnborg, 1975:

Leter: The consultants' contract. *Lancet* 1975;1:329-30 [46465]

Lahnborg G, Bergstrm K Clinical and haemostatic parameters related to thromboembolism and low-dose heparin prophylaxis in major surgery. *Acta Chir Scand* 1975;141:590-5 [55029]

Lahnborg, 1976:

Lahnborg G, Lagergren H, Hedenstierna G Effect of low-dose heparin prophylaxis on arterial oxygen tension after high laparotomy. *Lancet* 1976;1:54-6 [54579]

Lahnborg, 1980:

Moreno-Gonzalez E, Sanmartin JH, Pascual MH, Moreno-Azcoita M, Selas PR Total esophagectomy by right anterior thoracotomy and immediate esophageal reconstruction for carcinoma of the esophagus. *Acta Chir Scand* 1980;146:19-23 [7376779]

Lahnborg G Effect of low-dose heparin and dihydroergotamine on frequency of postoperative deep-vein thrombosis in patients undergoing post-traumatic hip surgery. *Acta Chir Scand* 1980;146:319-22 [7468062]

Lawrence, 1977:

Lawrence JC, Xabregas A, Gray L, Ham JM Seasonal variation in the incidence of deep vein thrombosis. *Br J Surg* 1977;64:777-80 [338089]

Lowe , 1981:

Lowe LW Venous thrombosis and embolism. *J Bone Joint Surg Br* 1981;63-B:155-67 [6163785]

Marchetti, 1982:

Koppenhagen K, Matthes M [Heparin-dihydergot or heparin alone in thrombosis prophylaxis?] *Med Welt* 1982;33:216-23 [7070283]

Moskovitz, 1978:

Moskovitz PA, Ellenberg SS, Feffer HL, Kenmore PI, Neviasser RJ, Rubin BE, Varma VM Low-dose heparin for prevention of venous thromboembolism in total hip arthroplasty and surgical repair of hip fractures. *J Bone Joint Surg Am* 1978;60:1065-70 [363722]

Moskovitz, 1978:

Moskovitz PA, Ellenberg SS, Feffer HL, Kenmore PI, Neviasser RJ, Rubin BE, Varma VM Low-dose heparin for prevention of venous thromboembolism in total hip arthroplasty and surgical repair of hip fractures. *J Bone Joint Surg Am* 1978;60:1065-70 [363722]

Muiticentre, 1984:

Dihydroergotamine-heparin prophylaxis of postoperative deep vein thrombosis. A multicenter trial. The Multicenter Trial Committee. *JAMA* 1984;251:2960-6 [6371278]

DiSerio FJ, Sasahara AA United States trial of dihydroergotamine and heparin prophylaxis of deep vein thrombosis. *Am J Surg* 1985;150:25-32 [3901790]

Ribaudo, 1975:

Ribaudo JM, Hoellrich RG, McKinnon WM, Shuler SE Evaluation of mini-dose heparin administration as a prophylaxis against postoperative pulmonary embolism: a prospective double-blind study. *Am Surg* 1975;41:289-95 [1093461]

Ribaudo JM, Hoellrich RG, McKinnon WM, Shuler SE Evaluation of mini-dose heparin administration as a prophylaxis against postoperative pulmonary embolization: a prospective double-blind study. *Rev Surg* 1975;32:297-9 [1198038]

Roberts, 1975:

Roberts VC, Cotton LT Failure of low-dose heparin to improve efficacy of peroperative intermittent calf compression in preventing postoperative deep vein thrombosis. *Br Med J* 1975;3:458-60 [1098726]

Strand, 1975:

Strand L, Bank-Mikkelsen OK, Lindewald H Small heparin doses as prophylaxis against deep-vein thrombosis in major surgery. *Acta Chir Scand* 1975;141:624-7 [1108565]

Svend-Hansen, 1981:

Svend-Hansen H, Bremerskov V, Gtrik J, Ostri P Low-dose heparin in proximal femoral fractures. Failure to prevent deep-vein thrombosis. *Acta Orthop Scand* 1981;52:77-80 [7010893]

Taberner, 1978:

Taberner DA, Poller L, Burslem RW, Jones JB Oral anticoagulants controlled by the British comparative thromboplastin versus low-dose heparin in prophylaxis of deep vein thrombosis. *Br Med J* 1978;1:272-4 [340005]

Torngren, 0:

Torngren, 1978:

Torngren S, Forsberg K Concentrated or diluted heparin prophylaxis of postoperative deep venous thrombosis. *Acta Chir Scand* 1978;144:283-8 [367024]

Torngren, 1978:

Torngren S, Forsberg K Concentrated or diluted heparin prophylaxis of postoperative deep venous thrombosis. *Acta Chir Scand* 1978;144:283-8 [367024]

Vandendris, 1980:

Vandendris M, Kutnowski M, Futeral B, Gianakopoulos X, Kraytman M, Gregoir W Prevention of postoperative deep-vein thrombosis by low-dose heparin in open prostatectomy. *Urol Res* 1980;8:219-21 [7013228]

Kraytman M, Kutnowski M, Ansay J, Vandendris M, Fastrez R, Steinberger R [Prevention of postoperative venous thrombosis with small doses of subcutaneous heparin] *Acta Clin Belg* 1977;32:422-7 [358713]

Williams , 1978:

Williams JW, Eikman EA, Greenberg SH, Hewitt JC, Lopez-Cuenca E, Jones GP, Madden JA Failure of low dose heparin to prevent pulmonary embolism after hip surgery or above the knee amputation. *Ann Surg* 1978;188:468-74 [697431]

Wu, 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]

Xabregas , 1977:

Xabregas A, Gray L, Ham JM Heparin prophylaxis of deep vein thrombosis in patients with a fractured neck of the femur. *Med J Aust* 1978;1:620-2 [355810]

Lawrence JC, Xabregas A, Gray L, Ham JM Seasonal variation in the incidence of deep vein thrombosis. *Br J Surg* 1977;64:777-80 [338089]

Loew, 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]

Vinazzer, 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]

Multicentre, 1984:

Dihydroergotamine-heparin prophylaxis of postoperative deep vein thrombosis. A multicenter trial. The Multicenter Trial Committee. *JAMA* 1984;251:2960-6 [6371278]

DiSerio FJ, Sasahara AA United States trial of dihydroergotamine and heparin prophylaxis of deep vein thrombosis. *Am J Surg* 1985;150:25-32 [3901790]

Multicentre 53,S4, 1984:

Dihydroergotamine-heparin prophylaxis of postoperative deep vein thrombosis. A multicenter trial. The Multicenter Trial Committee. *JAMA* 1984;251:2960-6 [6371278]

DiSerio FJ, Sasahara AA United States trial of dihydroergotamine and heparin prophylaxis of deep vein thrombosis. *Am J Surg* 1985;150:25-32 [3901790]

van Geloven, 1977:

van Geloven F, Wittebol P, Sixma JJ Comparison of postoperative coumarin, dextran 40 and subcutaneous heparin in the prevention of postoperative deep vein thrombosis. *Acta Med Scand* 1977;202:367-72 [335793]

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.