

Clinical trials of IPC single compression

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1 DVT prophylaxis

Trial	Treatments	Patients	Trials design and methods
IPC single compression vs control			
Prasad , 1982 n=NA follow-up:	pneumatic compression of the calf versus No Prophylaxis	elderly hemiplegics	Parallel groups open
Butson , 1981 n=62/57 follow-up:	intermittent pneumatic calf compression, begun after the induction of anesthesia and continued until the patient was walking versus control	patients undergoing major abdominal general surgical procedures	open
Clark , 1974 n=36/36 follow-up:	-	abdominal or thoracic surgery	open
Clarke-Pearson I , 1984 n=59/57 follow-up:	-	-	open
Clarke-Pearson II , 1984 n=104/105 follow-up:	-	abdominal or thoracic surgery	open
Coe , 1978 n=31/24 follow-up:	low-dose heparin and external pneumatic compression (EPC) of the calves versus no treatment	patients undergoing open urological operations	open
Hills , 1972 n=70/70 follow-up:	-	abdominal or thoracic surgery	open
Gallus , 1983 n=43/47 follow-up: in hospital	preventive intermittent calf compression versus no prophylaxis	elective hip replacement	Parallel groups open

continued...

Trial	Treatments	Patients	Trials design and methods
65279;Bachmann , 1976 n=26/28 follow-up: until patients fully mobilized	-	patients undergoing joint-replacement operations	Parallel groups open
Bynke , 1987 n=31/31 follow-up:	-	neurosurgery	open
Skillman , 1978 n=47/48 follow-up: NA	external pneumatic compression (EPC) of the calves versus no specific form of prophylaxis	patients undergoing neurosurgical operative procedures	Parallel groups open
Turpie I , 1977 n=82/79 follow-up:	-	patients with intracranial disease	open
Hull I , 1979 n=32/29 follow-up:	-	patients undergoing elective knee surgery	Parallel groups open

More details and results :

- mechanical devices for thromboprophylaxis for DVT prophylaxis in all type of patients at <http://www.trialresultscenter.org/go-Q402>

References

Prasad, 1982:

Prasad BK, Banerjee AK, Howard H Incidence of deep vein thrombosis and the effect of pneumatic compression of the calf in elderly hemiplegics. Age Ageing 1982;11:42-4 [7072559]

Butson, 1981:

Butson AR Intermittent pneumatic calf compression for prevention of deep venous thrombosis in general abdominal surgery. Am J Surg 1981;142:525-7 [7025675]

Clark, 1974:

Clark WB, MacGregor AB, Prescott RJ, Ruckley CV Pneumatic compression of the calf and postoperative deep-vein thrombosis. Lancet 1974;2:5-7 [4134404]

Clarke-Pearson I, 1984:

Clarke-Pearson DL, Synan IS, Hinshaw WM, Coleman RE, Creasman WT Prevention of postoperative venous thromboembolism by external pneumatic calf compression in patients with gynecologic malignancy. Obstet Gynecol 1984 Jan;63:92-8 [6691021]

Clarke-Pearson II, 1984:

Clarke-Pearson DL, Creasman WT, Coleman RE, Synan IS, Hinshaw WM Perioperative external pneumatic calf compression as thromboembolism prophylaxis in gynecologic oncology: report of a randomized controlled trial. Gynecol Oncol 1984 Jun;18:226-32 [6376294]

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]

Hills, 1972:

Hills NH, Pflug JJ, Jeyasingh K, Boardman L, Calnan JS Prevention of deep vein thrombosis by intermittent pneumatic compression of calf. *Br Med J* 1972;1:131-5 [5007837]

Gallus, 1983:

Gallus A, Raman K, Darby T Venous thrombosis after elective hip replacement—the influence of preventive intermittent calf compression and of surgical technique. *Br J Surg* 1983;70:17-9 [6337668]

65279;Bachmann, 1976:

Bachmann F, McKenna R, Meredith P, Carta S [Intermittent pneumatic compression of leg and thigh: a new successful method for the prevention of postoperative thrombosis] *Schweiz Med Wochenschr* 1976;106:1819-21 [1013707]

Bynke, 1987:

Bynke O, Hillman J, Lassvik C Does peroperative external pneumatic leg muscle compression prevent post-operative venous thrombosis in neurosurgery? *Acta Neurochir (Wien)* 1987;88:46-8 [3425413]

Skillman, 1978:

Skillman JJ, Collins RE, Coe NP, Goldstein BS, Shapiro RM, Zervas NT, Bettmann MA, Salzman EW Prevention of deep vein thrombosis in neurosurgical patients: a controlled, randomized trial of external pneumatic compression boots. *Surgery* 1978;83:354-8 [628896]

Turpie I, 1977:

Turpie AG, Gallus A, Beattie WS, Hirsh J Prevention of venous thrombosis in patients with intracranial disease by intermittent pneumatic compression of the calf. *Neurology* 1977;27:435-8 [558547]

Hull I, 1979:

Hull R, Delmore TJ, Hirsh J, Gent M, Armstrong P, Lofthouse R, MacMillan A, Blackstone I, Reed-Davis R, Detwiler RC Effectiveness of intermittent pulsatile elastic stockings for the prevention of calf and thigh vein thrombosis in patients undergoing elective knee surgery. *Thromb Res* 1979;16:37-45 [505427]