

Clinical trials of IPC + GCS

TrialResults-center www.trialresultscenter.org

1 DVT prophylaxis

Trial	Treatments	Patients	Trials design and methods
IPC + GCS vs control			
Turpie , 1989 n=NA follow-up: 14 days	graduated compression stockings plus intermittent pneumatic compression versus untreated control	potential neurosurgical patients	Parallel groups open
IPC + GCS vs GCS			
Goldhaber , 1995 n=164/166 follow-up: hospital stay	intermittent pneumatic compression (IPC) plus graduated compression stockings (GCS) versus standard compression stockings alone	patients undergoing coronary artery bypass without concomitant valve surgery or coronary endarterectomy	open
Fordyce , 1992 n=NA follow-up:	venous foot pump (A-V Impulse System) versus control	elective hip replacement	open
Rokito , 1996 n=NA follow-up:	TED stockings and thigh-length cuffs that provided sequential pneumatic compression to the calf and thigh versus bilateral thigh-high thrombosis embolic deterrent (TED) compression stockings (Kendall Company, MA).	neurosurgery	Parallel groups open
Turpie , 1989 n=NA follow-up: 14 days	graduated compression stockings plus intermittent pneumatic compression versus graduated compression stockings alone	neurosurgery	open
Wautrecht , 1996 n=NA	-	neurosurgery	open
Caprini , 1983 n=NA	-	general surgery	open

continued...

Trial	Treatments	Patients	Trials design and methods
Lacut , 2005 n=151 follow-up: 1 days	elastic stockings combined with intermittent pneumatic compression versus elastic stockings alone	patients with a documented intracerebral hemorrhage	Parallel groups open
Pambianco , 1995 n=NA	-	stroke	open
IPC + GCS +LMWH vs GCS +LMWH			
Dickinson , 1998 n=23/21 follow-up: 1 month	sequential compression device +enoxaparin (+ GCS) versus enoxaparin (+GCS)	neurosurgery, patients with brain tumors	open
IPC + GCS vs LMWH			
Norgren , 1998 n=NA follow-up:	IPCD/FID + GCS versus LMWH	elective knee replacement	open
IPC + GCS vs UFH			
Niolaides , 1983 n=NA follow-up:	IPCD + GCS versus UFH	general surgery	open
Santori , 1994 n=67/65 follow-up:	IPC + GCS versus UFH	elective hip replacement	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

Turpie, 1989:

Turpie AG, Hirsh J, Gent M, Julian D, Johnson J Prevention of deep vein thrombosis in potential neurosurgical patients. A randomized trial comparing graduated compression stockings alone or graduated compression stockings plus intermittent pneumatic compression with control. Arch Intern Med 1989;149:679-81 [2645846]

Goldhaber, 1995:

Goldhaber SZ, Hirsch DR, MacDougall RC, Polak JF, Creager MA, Cohn LH Prevention of venous thrombosis after coronary artery bypass surgery (a randomized trial comparing two mechanical prophylaxis strategies). Am J Cardiol 1995 Nov 15;76:993-6 [7484878]

Fordyce, 1992:

Fordyce MJ, Ling RS A venous foot pump reduces thrombosis after total hip replacement. J Bone Joint Surg Br 1992 Jan;74:45-9 [1732264]

Rokito, 1996:

Rokito SE, Schwartz MC, Neuwirth MG Deep vein thrombosis after major reconstructive spinal surgery. *Spine (Phila Pa 1976)* 1996 Apr 1;21:853-8; discussion 859 [8779018]

Turpie, 1989:

Turpie AG, Hirsh J, Gent M, Julian D, Johnson J Prevention of deep vein thrombosis in potential neurosurgical patients. A randomized trial comparing graduated compression stockings alone or graduated compression stockings plus intermittent pneumatic compression with control. *Arch Intern Med* 1989 Mar;149:679-81 [2645846]

Wautrecht, 1996:

Wautrecht JC, Macquaire V, Vandesteene A, Daoud N, Golzarian J, Capel P. Prevention of deep vein thrombosis in neurosurgical patients with brain tumors: a controlled, randomized study comparing graded compression stockings alone and intermittent sequential compression. Correlation with pre- and postoperative fibrinolysis: preliminary results. *International Angiology* 1996, 15:5-10

Caprini, 1983:

Caprini JA, Chucker JL, Zuckerman L, Vagher JP, Franck CA, Cullen JE Thrombosis prophylaxis using external compression. *Surg Gynecol Obstet* 1983 May;156:599-604 [6845123]

Lacut, 2005:

Lacut K, Bressollette L, Le Gal G, Etienne E, De Tinteniak A, Renault A, Rouhart F, Besson G, Garcia JF, Mottier D, Oger E Prevention of venous thrombosis in patients with acute intracerebral hemorrhage. *Neurology* 2005 Sep 27;65:865-9 [16186525] 10.1212/01.wnl.0000176073.80532.a2

Pambianco, 1995:

Pambianco G, Orchard T, Landau P Deep vein thrombosis: prevention in stroke patients during rehabilitation. *Arch Phys Med Rehabil* 1995 Apr;76:324-30 [7717832]

Dickinson, 1998:

Dickinson LD, Miller LD, Patel CP, Gupta SK Enoxaparin increases the incidence of postoperative intracranial hemorrhage when initiated preoperatively for deep venous thrombosis prophylaxis in patients with brain tumors. *Neurosurgery* 1998 Nov;43:1074-81 [9802851]

Norgren, 1998:

Norgren L, Toksvig-Larsen S, Magyar G, Lindstrand A, Albrechtsson U Prevention of deep vein thrombosis in knee arthroplasty. Preliminary results from a randomized controlled study of low molecular weight heparin vs foot pump compression. *Int Angiol* 1998 Jun;17:93-6 [9754896]

Nicolaides, 1983:

Nicolaides AN, Miles C, Hoare M, Jury P, Helmis E, Venniker R Intermittent sequential pneumatic compression of the legs and thromboembolism-deterrent stockings in the prevention of postoperative deep venous thrombosis. *Surgery* 1983 Jul;94:21-5 [6857507]

Santori, 1994:

Santori FS, Vitullo A, Stopponi M, Santori N, Ghera S Prophylaxis against deep-vein thrombosis in total hip replacement. Comparison of heparin and foot impulse pump. *J Bone Joint Surg Br* 1994 Jul;76:579-83 [8027144]