

## CQ 16-1

敗血症における深部静脈血栓症の予防として機械的予防法(弾性ストッキング, 間欠的空気圧迫法)を行うか?

### 検索データベース

MEDLINE (PubMed/Ovid)

CENTRAL

医学中央雑誌

その他 ( )

### 検索式とヒット数

PubMed search strategy(検索日 2019年1月27日)

#1	"Sepsis"[Mesh] OR "Shock, Septic"[Mesh] OR "Systemic Inflammatory Response Syndrome" [Mesh] OR "Multiple Organ Failure" [Mesh] OR "Critical Illness" [Mesh] OR "Critical Care" [Mesh] OR "Intensive Care Units" [Mesh] OR "vasoplegia"[Mesh] OR "sepsis" [tiab] OR ("septic" [tiab] AND "shock" [tiab]) OR "systemic inflammatory response syndrome" [tiab] OR SIRS [tiab] OR "multiple organ dysfunction" [tiab] OR "multiple organ failure" [tiab] OR MOF [tiab] OR "critically ill" [tiab] OR "stressed" [tiab] OR "critical care" [tiab] OR "intensive care" [tiab] OR "vasoplegia"[tiab]	424986
#2	" Pulmonary Embolism" [Mesh] OR "Pulmonary Infarction"[mesh] OR "Venous Thrombosis" [Mesh] OR "Venous Thromboembolism" [Mesh] OR "pulmonary embolism" [tiab] OR "pulmonary infarction" [tiab] OR "venous thromboembolism" [tiab] OR "deep vein thrombosis" [tiab] OR "pulmonary embolism" [tiab] OR VTE [tiab] OR DVT [tiab]	107957
#3	"Compression Bandages" [Mesh] OR "Stockings, Compression" [Mesh] OR "Compression Bandages" [tiab] OR "stocking*" [tiab] OR "pneumatic stocking" [tiab] OR "pneumatic compression stocking" [tiab] OR "thromboprophylaxis" [tiab]	9255
#4	"Intermittent Pneumatic Compression Devices"[mesh] OR "Intermittent Pneumatic Compression"[tiab] OR "compression device" [tiab] OR "thromboprophylaxis" [tiab]	5737

#5	“randomized controlled trial” [pt] OR “controlled clinical trial” [pt] OR “randomized” [tiab] OR “randomly” [tiab] OR “placebo” [tiab] OR “clinical trials as topic” [mesh:noexp] OR “trial” [ti] NOT (“animals” [mh] NOT “humans” [mh])	1106821
#6	#1 AND #2 AND (#3 OR #4) AND #5	60

CENTRAL search strategy(検索日 2019年1月27日)

#1	MeSH descriptor: [Sepsis] explode all trees	3898
#2	MeSH descriptor: [Shock, Septic] explode all trees	733
#3	MeSH descriptor: [Systemic Inflammatory Response Syndrome] explode all trees	4224
#4	MeSH descriptor: [Multiple Organ Failure] explode all trees	381
#5	MeSH descriptor: [Critical Illness] explode all trees	1782
#6	MeSH descriptor: [Critical Care] explode all trees	1896
#7	MeSH descriptor: [Intensive Care Units] explode all trees	3181
#8	MeSH descriptor: [Vasoplegia] explode all trees	9
#9	(sepsis):ti,ab,kw	8046
#10	(systemic inflammatory response syndrome):ti,ab,kw	981
#11	(SIRS):ti,ab,kw	467
#12	(multiple organ dysfunction):ti,ab,kw	628
#13	(multiple organ failure):ti,ab,kw	1337
#14	(MOF):ti,ab,kw	117
#15	(critically ill):ti,ab,kw	5022
#16	(stressed):ti,ab,kw	834
#17	(critical care):ti,ab,kw	7448
#18	(intensive care):ti,ab,kw	20971
#19	#1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8 OR #9 OR #10 OR #11 OR #12 OR #13 OR #14 OR #15 OR #16 OR #17	36650
#20	MeSH descriptor: [Pulmonary Embolism] explode all trees	913
#21	MeSH descriptor: [Venous Thrombosis] explode all trees	2464
#22	MeSH descriptor: [Venous Thromboembolism] explode all trees	507
#23	(venous thromboembolism):ti,ab,kw	2953
#24	(deep vein thrombosis):ti,ab,kw	3818
#25	(pulmonary embolism):ti,ab,kw	2852

#26	(pulmonary infarction):ti,ab,kw	962
#27	(DVT):ti,ab,kw	1638
#28	(VTE):ti,ab,kw	1328
#29	#20 OR #21 OR #22 OR #23 OR #24 OR #25 OR #26 OR #27 OR #28	9441
#30	MeSH descriptor: [Compression Bandages] explode all trees	345
#31	MeSH descriptor: [Stockings, Compression] explode all trees	215
#32	MeSH descriptor: [Intermittent Pneumatic Compression Devices] explode all trees	125
#33	(Compression Bandages):ti,ab,kw	619
#34	(stocking*):ti,ab,kw	942
#35	(pneumatic compression stocking):ti,ab,kw	26
#36	(Intermittent Pneumatic Compression):ti,ab,kw	417
#37	(thromboprophylaxis):ti,ab,kw	793
#38	#30 OR #31 OR #32 OR #33 OR #34 OR #36 OR #37	2408
#39	#19 AND #29 AND #38	64

医学中央雑誌 search strategy (検索日 2019年1月27日)

#1	(敗血症/TH or 敗血症/TA) and (PT=会議録除く)	22016
#2	(ショック-敗血症性/TH or 敗血症性ショック/TA) and (PT=会議録 除く)	6050
#3	(全身性炎症反応症候群/TH or 全身性炎症反応症候群/TA) and (PT=会議録除く)	17480
#4	(多臓器不全/TH or 多臓器不全/TA) and (PT=会議録除く)	6232
#5	(ICU/TH or ICU/TA or 集中治療室/TA) and (PT=会議録除く)	45927
#6	#1 or #2 or #3 or #4 or #5	71849
#7	(肺塞栓症/TH or 肺塞栓/TA) and (PT=会議録除く)	12051
#8	(静脈血栓塞栓症/TH or 静脈血栓塞栓/TA or VTE/TA) and (PT= 会議録除く)	2642
#9	(静脈血栓症/TH or 静脈血栓/TA or 深部静脈血栓/TA or DVT/TA) and (PT=会議録除く)	16225
#10	#7 or #8 or #9	24430
#11	(弾性ストッキング/TH or 弾性ストッキング/TA) and (PT=会議録除 く)	1445
#12	(靴下・ストッキング/TH or ストッキング/TA or 靴下/TA) and (PT=	499

	会議録除く)	
#13	(間欠的加圧装置/TH or 加圧装置/TA or 足底部ポンプ/TA or フットポンプ/TA or 加圧装置-間欠的/TA) and (PT=会議録除く)	965
#14	#11 OR #12 OR #13	2483
#15	ランダム化比較試験/TH or 準ランダム化比較試験/TH or ランダム化/AL or 無作為化/AL or 比較試験/AL or 臨床試験/AL or プラセボ/AL or 対照/AL or コントロール/AL or 臨床研究/AL	297539
#16	#6 and #10 and #14 and #15 (RCT filter)	1
#17	#6 and #10 and #14 (no RCT filter)	32

1<sup>st</sup>スクリーニング終了日時 2019年2月14日

2<sup>nd</sup>スクリーニングを行う文献数 4(前半)+5(後半)= 9 編

2<sup>nd</sup>スクリーニング終了日時 2019年3月11日

2<sup>nd</sup>スクリーニング後の文献数 1

#### 文献

1. Vignon P, et al. Intermittent pneumatic compression to prevent venous thromboembolism in patients with high risk of bleeding hospitalized in intensive care units: the CIREA1 randomized trial. *Intensive Care Med.* 2013;39(5):872-80. doi: 10.1007/s00134-013-2814-2. PMID 23370827.