





- 5. Evaluate our effectiveness and efficiency
 - keep a record; improve the process













































Equal treatment in	DVT study	?
	Number of Par	ticipants
	No Stockings	Stockings
Aspirin	9	11
Hormone replacement therapy	8	16
Thyroxine	6	6
Antihypertensives, including diuretics	10	12
Antipeptic ulcer drugs	8	3







Maintaining the Randomisation

- Principle 1 (Intention to treat)
 - Once a patient is randomised, s/he should be analysed in the group randomised to - even if they discontinue, never receive treatment, or crossover.

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OXFORD

- Principle 2 (adequate followup)
 - "5-and-20 rule of thumb"
 - 5% probably leads to little bias
 - >20% poses serious threats to validity



How important are the losses?

- Equally distributed?
 - Stocking group: 6 men, 9 women 15
 - No stocking group: 7 men, 9 women 16
- Similar characteristics?
 No information provided







































CI	EBM May Are		ORD
Registered Ovarian Cancer ch	vs Publishe emotherapy: sing	ed Studies lle v combined	
	Published	Registered	
No. studies	16	13	
Survival ratio	1.16	1.05	
95% CI	1.06-1.27	0.98-1.12	
P-Value	0.02	0.25	
	Simes, J.	Clin Oncol, 86, p1529	





EBM_A/M///~	Manage OXFOR
I vs Publish	ned Studies
Published	Registered
16	
1.16	
1.06-1.27	
	The For Evidence Based I vs Publish chemotherapy: si Published 16 1.16 1.06-1.27



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Selective Cr 28 reviewers as results random	iticism of sessed one "s ly positive or	Evidence study" negative	
	"Positive"	"Negative"	
Relevance	5.2	4.9	
Methods	4.2	2.4	
Presentation	4.3	2.6	
Summary	3.2	1.8	





























		CE	EBM.		∿∕~∕ BASED M	MA	ne.			ÖXFÖ	ŘD
Ν	eta	a-an	alv	sis (Έοι	re	st) 10		t	
Stud	ty	No of patients	Treatment Mean (SD)	No of patients	Control Mean (SD)		Wi differe	eighted m nce (fixe (95% Cl	ean d effect)		Weigt (%)
Diep	ope 1980 ⁸	12	38.0 (29.0)	12	70.0 (30.0)			_			7.45
Gaff	ney 1995 ⁹	42	21.7 (20.7)	42	43.1 (28.7)		-	- 1			36.26
Jone	es 1998 ¹⁷	29	48.0 (30.0)	30	57.5 (30.0)			-			17.71
Rava	aud 1999 ¹¹	24	23.7 (26.2)	21	45.7 (26.6)		-				17.36
Smit	th 2003 12	38	20.8 (30.0)	33	24.7 (30.0)			+			21.23
Tota	al (95% CI)	145		138				•			100.0
Test	for heteroger	neity: x ² =6.87, df	=4, P=0.14, I ² =4	1.7%							
Test	for overall eff	fect: z=5.01, P=0.	.00001			-100	-50	0	50	100	
						Favou	Ins		Fa	vours	
						a ba tri	10111		6	Unit of the	



		C	EBM ENTRE FOR		∧√√~~Ån Based me	A DICI	nu NE			ÓXFO	ŘD
		a-an	Treatment Mean (SD)	SIS (Control Mean (SD)	e	st) ^{We} differer	ighted me ice (fixed (95% CI)	an effect)	1	Weight (%)
	Dieppe 1980 ⁸	12	38.0 (29.0)	12	70.0 (30.0)			-			7.45
	Gaffney 1995 ⁹	42	21.7 (20.7)	42	43.1 (28.7)			- -			36.26
	Jones 199817	29	48.0 (30.0)	30	57.5 (30.0)		-	-			17.71
	Ravaud 199911	24	23.7 (26.2)	21	45.7 (26.6)			_			17.36
	Smith 2003 12	38	20.8 (30.0)	33	24.7 (30.0)			+			21.22
	Total (95% CI)	145		138				•			100.00
	Test for heterog	eneity: χ ² =6.87, df	=4, P=0.14, I ² =4	1.7%							
	Test for overall e	ffect: z=5.01, P=0	.00001		30	-100	-50	0	50	100	
						Favou	nent		Far	vours	
Fig 4 V	isual analoque so	ale for pain up	to two weeks	after steroid init	ection in knee						
	no the m		miler e	ana an atu	udian 2 1		oto				
Ą	Eye	ball" test	– do the hypothe	ey look the sis" of no	variation) (p-	value)			
	Proj	ortion of	variatio	n not due	to chan	ce (.	1²)				











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M C Con pas <i>Coc</i>	larke, S npressio sengers chrane D	Hopewell, E Jus n stockings for p atabase of Syste	zczak, A Eisinga, M preventing deep veir e <i>matic Reviews</i> 200	Kjeldstr n thromb 6 Issue 4	øm Josis in airlind 4	D
teview: Compression stoc Comparison: 01 Wearing st Iutcome: 01 Symptomless	kings for preven tockings versus s deep vein thror	ting deep vein thrombosis in airli not wearing stockings nbosis	e passengers			
tudy	Stockings n/N	Ne stockings n/N	Odds Ratio (Fixed) 95% Cl	Weight (1)	Odds Ratio (Fixed) 95% CI	
LONFLIT 2	1/411	19/422		38.0	0.05 [0.01, 0.39]	
LONFLIT 4 - Kendall I	0/72	0/72		0.0	Not estimable	
LONFLIT 4 - Kendall2	0.008	2/00		6.1	0.19 [0.01, 4.12]	
LONFLIT 4 - Scholl1	0/179	4/179		9.3	0.11 [0.01, 2.03]	
LONFLIT 4 - Scholl2	0/130	3/135		7.2	0.14 [0.01, 2.71]	
LONFLIT 4 - Travenol	0.97	0.08		0.0	Not estimable	
LONFLIT 4 - Traveno2	0/75	0/71		0.0	Not estimable	
LONFLIT 5	2/178	7/180		14.2	0.28 [0.06, 1.37]	
Sour 2001	0/100	12/100		25.0	0.04 [0.00, 0.00]	
ital (05% Cl) stal events: 3 (Stockings), est for heterogeneity chi-s	1314 47 (No stocking quare=2.81 df=5	1323 s) p=0.73 I*=0.0%	•	100.0	0.10 [0.04, 0.25]	