

Supplemental Data**Supplementary Table 1.** Quality appraisal**Supplementary Figure 1.** Funnel plot of standard error by Log odds ratio.**Supplementary Figure 2.** Sensitivity analysis excluding the MARINER study. Forest plot showing pooled risk ratio of (A) Total Venous Thromboembolism, (B) Clinically Relevant Bleeding in patients receiving extended-duration vs. standard duration thromboprophylaxis.

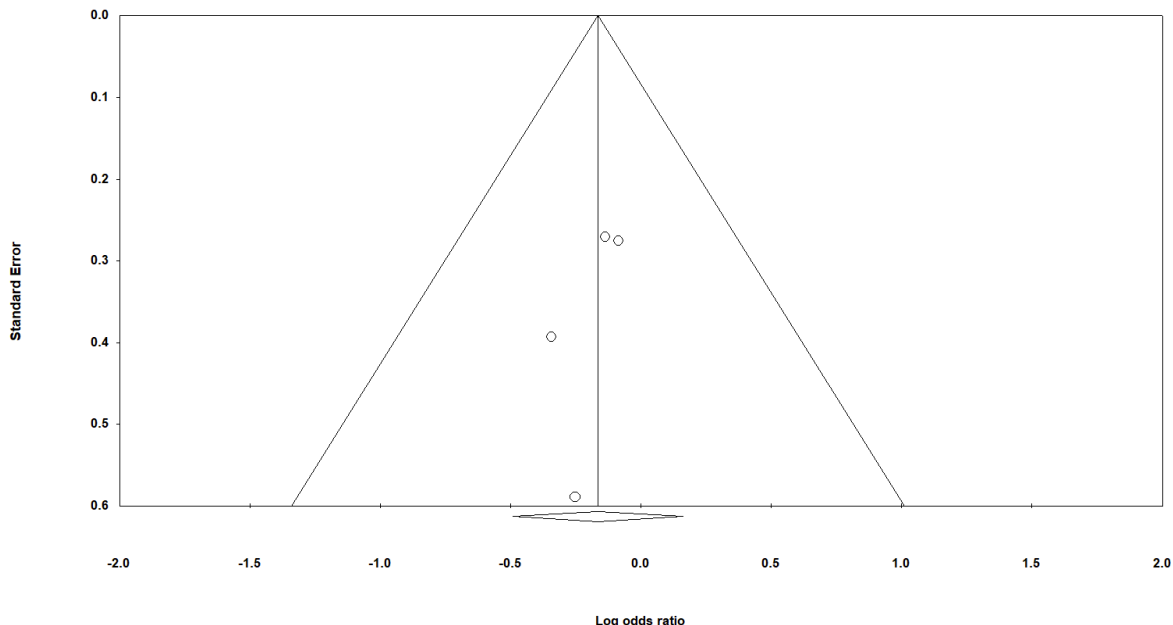
Supplementary Table 1. Quality appraisal

	EXCLAIM 2010	MAGELLAN 2013	APEX 2016	MARINER 2018
Domain 1: Risk of bias arising from the randomization process				
1.1 Was the allocation sequence random?	Yes	Yes	Yes	Yes
1.2 Was the allocation sequence concealed until participants were enrolled and assigned to interventions?	Yes	Yes	Yes	Yes
1.3 Did baseline differences between intervention groups suggest a problem with the randomization process?	No	No	No	No
Risk-of-bias judgement	Low	Low	Low	Low
Domain 2: Risk of bias due to deviations from the intended interventions (<i>effect of assignment to intervention</i>)				
2.1. Were participants aware of their assigned intervention during the trial?	No	No	No	No
2.2. Were carers and people delivering the interventions aware of participants' assigned intervention during the trial?	No	No	No	No
2.3. <u>If Y/PY/NI to 2.1 or 2.2:</u> Were there deviations from the intended intervention that arose because of the experimental context?	-	-	-	-
2.4. <u>If Y/PY to 2.3:</u> Were these deviations from intended intervention balanced between groups?	-	-	-	-
2.5 <u>If N/PN/NI to 2.4:</u> Were these deviations likely to have affected the outcome?	-	-	-	-
2.6 Was an appropriate analysis used to estimate the effect of assignment to intervention?	Yes	Yes	Yes	Yes

	EXCLAIM 2010	MAGELLAN 2013	APEX 2016	MARINER 2018
2.7 <u>If N/PN/NI to 2.6</u> : Was there potential for a substantial impact (on the result) of the failure to analyse participants in the group to which they were randomized?	-	-	-	-
Risk-of-bias judgement	Low	Low	Low	Low
Domain 3: Missing outcome data				
3.1 Were data for this outcome available for all, or nearly all, participants randomized?	Probably no	No	No	Probably no
3.2 <u>If N/PN/NI to 3.1</u> : Is there evidence that result was not biased by missing outcome data?	Yes	No	No	Yes
3.3 <u>If N/PN to 3.2</u> : Could missingness in the outcome depend on its true value?	-	No	No	-
3.4 <u>If Y/PY/NI to 3.3</u> : Do the proportions of missing outcome data differ between intervention groups?	-	-	-	-
3.5 <u>If Y/PY/NI to 3.3</u> : Is it likely that missingness in the outcome depended on its true value?	-	-	-	-
Risk-of-bias judgement	Low	Low	Low	Low
Domain 4: Risk of bias in measurement of the outcome				
4.1 Was the method of measuring the outcome inappropriate?	No	No	No	No
4.2 Could measurement or ascertainment of the outcome have differed between intervention groups ?	No	No	No	No
4.3 <u>If N/PN/NI to 4.1 and 4.2</u> : Were outcome assessors aware of the intervention received by study participants ?	-	-	-	-

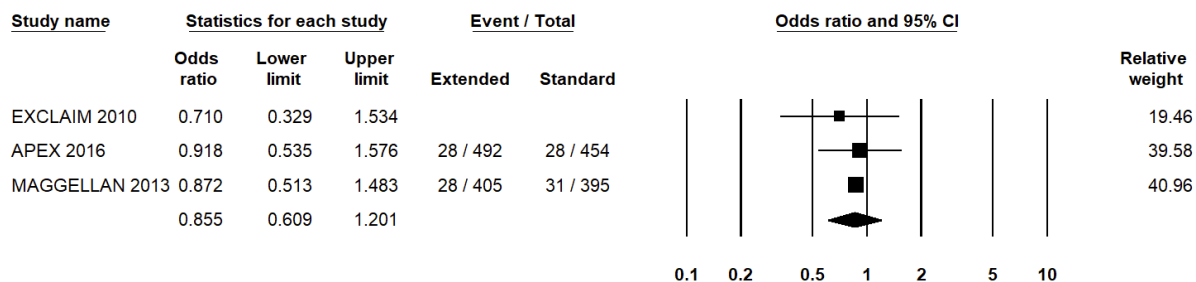
	EXCLAIM 2010	MAGELLAN 2013	APEX 2016	MARINER 2018
4.4 If Y/PY/NI to 4.3: Could assessment of the outcome have been influenced by knowledge of intervention received?	-	-	-	-
4.5 If Y/PY/NI to 4.4: Is it likely that assessment of the outcome was influenced by knowledge of intervention received?	-	-	-	-
Risk-of-bias judgement	Low	Low	Low	Low
Domain 5: Risk of bias in selection of the reported result				
5.1 Was the trial analysed in accordance with a pre-specified plan that was finalized before unblinded outcome data were available for analysis ?	Yes	Yes	Yes	Yes
Is the numerical result being assessed likely to have been selected, on the basis of the results, from...				
5.2. ... multiple outcome measurements (e.g. scales, definitions, time points) within the outcome domain?	Yes	Yes	Yes	Yes
5.3 ... multiple analyses of the data?	Yes	Yes	Yes	Yes
Risk-of-bias judgement	Some concern	Some concern	Some concern	Some concern
Overall risk of bias				
Risk-of-bias judgement	Low	Low	Low	Low

Supplementary Figure 1. Funnel plot of standard error by Log odds ratio



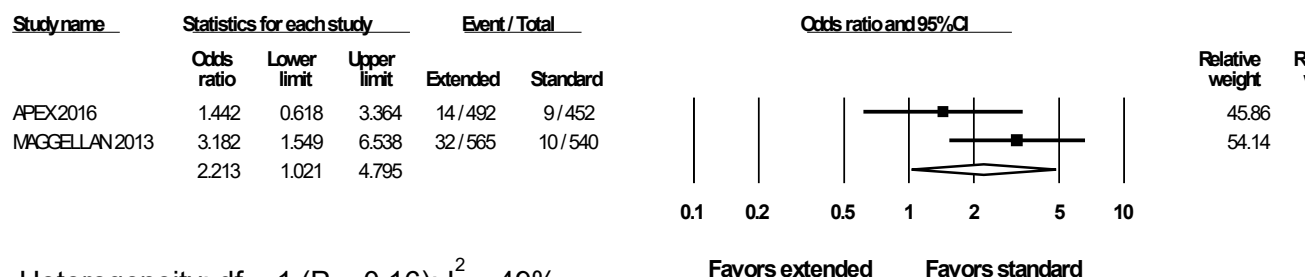
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A. Total VTE



Heterogeneity: df = 2 (P = 0.86); I² = 0%

B. Clinically relevant bleeding



Heterogeneity: df = 1 (P = 0.16); I² = 49%