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## SUPPLEMENTARY MATERIAL

### Long-term colchicine therapy in acute coronary syndromes: a systematic review and meta-analysis of randomized controlled trials

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**Key words:** colchicine, acute myocardial infarction, acute coronary syndrome, cardiovascular  
events, meta-analysis, secondary prevention

**Supplementary Table 1. Full search query.**

SEARCH TERMS	
WEB OF SCIENCE	AB=("colchicine") AND (AB=("myocardial infarction") OR AB=("acute coronary syndrome")) OR (TI=("colchicine") AND (TI=("myocardial infarction") OR TI=("acute coronary syndrome")))
SCOPUS	TITLE-ABS-KEY ( "colchicine" ) AND ( TITLE-ABS-KEY ( "myocardial infarction" ) OR ( TITLE-ABS-KEY ( "acute coronary syndrome" ) ) )
PUBMED	("colchicine"[MeSH Terms] OR "colchicine"[All Fields] OR "colchicin"[All Fields] OR "colchicines"[All Fields] OR "colchicine s"[All Fields]) AND ("myocardial infarction"[MeSH Terms] OR ("myocardial"[All Fields] AND "infarction"[All Fields]) OR "myocardial infarction"[All Fields] OR ("acute coronary syndrome"[MeSH Terms] OR ("acute"[All Fields] AND "coronary"[All Fields] AND "syndrome"[All Fields]) OR "acute coronary syndrome"[All Fields]))
COCHRANE CENTRAL	Colchicine AND (myocardial infarction OR acute coronary syndrome) in All Text - (Word variations have been searched)

**Supplementary Table 2. Assessment of risk of bias utilizing Cochrane risk of bias tool for randomized controlled trials.**

	COLCOT Trial	COPS Trial	CLEAR SYNERGY Trial
Random sequence generation (selection bias)	Low risk	Low risk	Low risk
Allocation concealment (selection bias)	Low risk	Low risk	Low risk
Blinding of participants and personnel (performance bias)	Low risk	Low risk	Low risk
Blinding of outcome assessment (detection bias)	Low risk	Low risk	Low risk
Incomplete outcome data (attrition bias)	Low risk	Low risk	Low risk
Selective reporting (performance bias)	Low risk	Low risk	Low risk
Other bias	Low risk	Low risk	Low risk

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**Supplementary Table 3. Grading of Recommendations, Assessment, Development and Evaluations (GRADE) summary.**

N <sup>o</sup> of studies	Study design	Risk of bias	Certainty assessment				N <sup>o</sup> of patients		Effect		Certainty	Importance
			Inconsistency	Indirectness	Imprecision	Other considerations	Intervention	Comparison	Relative (95% CI)	Absolute (95% CI)		
<b>Death from Any Cause</b>												
3	randomised trials	not serious	serious	not serious	not serious	none	229/6290 (3.6%)	261/6312 (4.1%)	HR 1.01 (0.67 to 1.53)	<b>4 more per 10000</b> (from 135 fewer to 212 more)	⊕⊕⊕○ Moderate	CRITICAL
<b>Cardiovascular Death</b>												
3	randomised trials	not serious	serious	not serious	not serious	none	140/6290 (2.2%)	138/6312 (2.2%)	HR 1.01 (0.80 to 1.29)	<b>2 more per 10000</b> (from 43 fewer to 63 more)	⊕⊕⊕○ Moderate	CRITICAL
<b>Myocardial Infarction</b>												
3	randomised trials	not serious	not serious	not serious	not serious	none	202/6290 (3.2%)	229/6312 (3.6%)	HR 0.86 (0.71 to 1.05)	<b>50 fewer per 10000</b> (from 104 fewer to 18 more)	⊕⊕⊕⊕ High	IMPORTANT
<b>Ischemia Driven Revascularization</b>												
3	randomised trials	not serious	serious	not serious	very serious	none	192/6290 (3.1%)	228/6312 (3.6%)	HR 0.61 (0.30 to 1.21)	<b>139 fewer per 10000</b> (from 251 fewer to 74 more)	⊕○○○ Very low	IMPORTANT
<b>Stroke</b>												
3	randomised trials	not serious	serious	not serious	very serious	none	57/6290 (0.9%)	67/6312 (1.1%)	HR 0.55 (0.18 to 1.64)	<b>48 fewer per 10 000</b> (from 87 fewer to 67 more)	⊕○○○ Very low	IMPORTANT
<b>Composite outcome of Cardiovascular Death, Myocardial Infarction, Ischemia-driven Revascularization, or Stroke</b>												
3	randomised trials	not serious	serious	serious	very serious	none	477/6290 (7.6%)	535/6312 (8.5%)	HR 0.55 (0.18 to 1.64)	<b>372 fewer per 10 000</b> (from 689 fewer to 504 more)	⊕○○○ Very low	IMPORTANT

CI, confidence interval; RCT, randomized control trials; HR, hazard ratio.

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