Table s1. Search strategy.

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| --- | --- | --- |
| PubMed/MEDLINE | Cochrane library | Scopus |
| ((((((((Blood Pressure[Title/Abstract] OR Systolic Blood Pressure[Title/Abstract]) OR diastolic Blood Pressure[Title/Abstract]) OR "Blood Pressure"[Mesh]) OR SBP[Title/Abstract]) OR DBP[Title/Abstract]) OR (((((((("C-Reactive Protein"[Mesh] OR "Interleukin-6"[Mesh]) OR "Tumor Necrosis Factor-alpha"[Mesh]) OR "C-Reactive Protein"[Title/Abstract]) OR "Interleukin-6"[Title/Abstract]) OR "Tumor Necrosis Factor-alpha"[Title/Abstract]) OR CRP[Title/Abstract]) OR TNF- a[Title/Abstract]) OR IL-6[Title/Abstract])) AND (((((((("Sour Cherry"[Title/Abstract]) OR "Tart Cherry"[Title/Abstract]) OR "dwarf cherry"[Title/Abstract]) OR "Prunus cerasus"[Title/Abstract]) OR "morello cherry"[Title/Abstract]) OR "amarelle cherry"[Title/Abstract]) OR "Montmorency cherry"[Title/Abstract])) AND ("Intervention Studies"[tiab] OR "intervention"[tiab] OR "controlled trial"[tiab] OR "randomized"[tiab] OR "randomised"[tiab] OR "random"[tiab] OR "randomly"[tiab] OR "placebo"[tiab] OR "assignment"[tiab] OR "supplementation"[tiab] OR trial[tiab]) | (Blood Pressure OR "Systolic Blood Pressure" OR "diastolic Blood Pressure" OR SBP OR DBP OR "C-Reactive Protein" OR Interleukin-6 OR "Tumor Necrosis Factor-alpha" OR CRP OR TNF-a OR IL-6 ) AND ("Sour Cherry" OR "Tart Cherry" OR "dwarf cherry" OR "Prunus cerasus" OR "morello cherry" OR "amarelle cherry" OR "Montmorency cherry") AND (Intervention Studies OR intervention OR controlled trial OR randomized OR randomised OR random OR randomly OR placebo OR assignment OR supplementation OR trial OR Effect) | ( ( TITLE-ABS-KEY ( c-reactive  AND protein )  OR  TITLE-ABS-KEY ( crp )   TITLE-ABS-KEY ( interleukin-6 )  OR  TITLE-ABS-KEY ( il-6 )  OR  TITLE-ABS-KEY ( tumor  AND necrosis  AND factor-alpha )  OR  TITLE-ABS-KEY ( tnf ) ) )  OR  ( ( TITLE-ABS-KEY ( blood  AND pressure )  OR  TITLE-ABS KEY ( systolic  AND blood  AND pressure )  OR  TITLE-ABS-KEY ( diastolic  AND blood  AND pressure )  OR  TITLE-ABS-KEY ( sbp )  OR  TITLE-ABS-KEY ( dbp ) ) ) AND ( ( TITLE-ABS-KEY ( "Montmorency cherry" ) OR TITLE-ABS-KEY ( "Sour Cherry" ) OR TITLE-ABS-KEY ( "Tart Cherry" ) OR TITLE-ABS-KEY ( "dwarf cherry" ) OR TITLE-ABS-KEY ( "Prunus cerasus" ) OR TITLE-ABS-KEY ( "morello cherry" ) OR TITLE-ABS-KEY ( "amarelle cherry" ) ) ) AND ( ( TITLE-ABS-KEY ( intervention AND studies ) OR TITLE-ABS-KEY ( intervention ) OR TITLE-ABS-KEY ( controlled AND trial ) OR TITLE-ABS-KEY ( randomized ) OR TITLE-ABS-KEY ( randomised ) OR TITLE-ABS-KEY ( random ) OR TITLE-ABS-KEY ( randomly ) OR TITLE-ABS-KEY ( placebo ) OR TITLE-ABS-KEY ( assignment ) OR TITLE-ABS-KEY ( supplementation ) ) ) AND ( LIMIT-TO ( DOCTYPE , "ar" ) OR LIMIT-TO ( DOCTYPE , "ip" ) ) |

Supplementary Fig1. Publication bias between studies.

1. Systolic blood pressure

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(b)Diastolic blood pressure

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1. CRP

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1. TNF

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(e) IL-1

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