**Supplementary Table 2 Study search strategy.**

|  |  |
| --- | --- |
| Database | Strategy |
| PubMed | (((((((((((((((((((((((catecholamine\*[Title/Abstract]) OR (epinephrine[Title/Abstract])) OR (adrenaline[Title/Abstract])) OR (Norepinephrine[Title/Abstract])) OR (dobutamine[Title/Abstract])) OR (noradrenaline[Title/Abstract])) OR (dopamine[Title/Abstract])) OR (Orciprenaline[Title/Abstract])) OR (metaproterenol[Title/Abstract])) OR (phenylephrine[Title/Abstract])) OR (Pituitrin[Title/Abstract])) OR (vasopressin\*[Title/Abstract])) OR (Argipressin[Title/Abstract])) OR (Desmopressin[Title/Abstract])) OR (Lypressin[Title/Abstract])) OR (Felypressin[Title/Abstract])) OR (Ornipressin[Title/Abstract])) OR (Terlipressin[Title/Abstract])) OR (Glypressin[Title/Abstract])) OR (selepressin[Title/Abstract])) OR (Vasoconstrictor Agent\*[Title/Abstract])) OR ((((((((((Catecholamines[MeSH Terms]) OR (Epinephrine[MeSH Terms])) OR (Norepinephrine[MeSH Terms])) OR (dobutamine[MeSH Terms])) OR (dopamine[MeSH Terms])) OR (Orciprenaline[MeSH Terms])) OR (phenylephrine[MeSH Terms])) OR (Pituitrin[MeSH Terms])) OR (vasopressin[MeSH Terms])) OR (vasoconstrictor agents[MeSH Terms]))) AND ((((distributive[Title/Abstract]) OR (vasodilatory[Title/Abstract])) OR (vasoplegic[Title/Abstract])) OR ((((sepsis[Title/Abstract]) OR (septic shock[Title/Abstract])) OR (sepsis[MeSH Terms])) OR (septic shock[MeSH Terms])))) AND ((((((((((((((((((Meta-Analysis as Topic[MeSH Terms]) OR (Meta-Analysis[Publication Type])) OR (meta analysis[Title/Abstract])) OR (meta analyses[Title/Abstract])) OR (meta-analysis[Title/Abstract])) OR (meta-analyses[Title/Abstract])) OR (metaanalysis[Title/Abstract])) OR (metanalysis[Title/Abstract])) OR (met-analysis[Title/Abstract])) OR (metaanalyses[Title/Abstract])) OR (metanalyses[Title/Abstract])) OR (met-analyses[Title/Abstract])) OR (data pooling[Title/Abstract])) OR (data poolings[Title/Abstract])) OR (clinical trial overview[Title/Abstract])) OR (clinical trial overviews[Title/Abstract])) OR (systematic review[Title/Abstract])) OR (systematic reviews[Title/Abstract])) |
| EMBASE | #11. #4 AND #7 AND #10  #10. #8 OR #9  #9. 'meta analysis':ab,ti OR 'meta analyses':ab,ti OR  metaanalysis:ab,ti OR metanalysis:ab,ti OR 'met  analysis':ab,ti OR metaanalyses:ab,ti OR  metanalyses:ab,ti OR 'met analyses':ab,ti OR  'data pooling\*':ab,ti OR 'clinical trial  overview\*':ab,ti OR 'systematic review\*':ab,ti  #8. 'meta analysis'/exp OR 'meta analysis  (topic)'/exp OR 'systematic review'/exp OR  'systematic review (topic)'/exp  #7. #5 OR #6  #6. sepsis:ab,ti OR 'septic shock':ab,ti OR  'vasodilatory shock':ab,ti  #5. 'sepsis'/exp OR 'septic shock'/exp  #4. #1 OR #2 OR #3  #3. vasopressin:ab,ti OR argipressin:ab,ti OR  desmopressin:ab,ti OR lypressin:ab,ti OR  felypressin:ab,ti OR ornipressin:ab,ti OR  terlipressin:ab,ti OR glypressin:ab,ti OR  selepressin:ab,ti OR pituitrin:ab,ti OR  'vasoconstrictor agent':ab,ti  #2. catecholamine\*:ab,ti OR epinephrine:ab,ti OR  adrenaline:ab,ti OR norepinephrine:ab,ti OR  noradrenalin\*:ab,ti OR dobutamine:ab,ti OR  dopamine:ab,ti OR orciprenaline:ab,ti OR  phenylephrine:ab,ti  #1. 'catecholamine'/exp OR 'epinephrine'/exp OR  'noradrenalin'/exp OR 'dobutamine'/exp OR  'dopamine'/exp OR 'orciprenaline'/exp OR  'phenylephrine'/exp OR 'vasopressin'/exp OR  'argipressin'/exp OR 'desmopressin'/exp OR  'lypressin'/exp OR 'felypressin'/exp OR  'ornipressin'/exp OR 'terlipressin'/exp OR  'selepressin'/exp OR 'pituitrin'/exp OR  'vasoconstrictor agent'/exp |
| Cochrane library | #1 MeSH descriptor: [Sepsis] explode all trees  #2 MeSH descriptor: [Shock, Septic] explode all trees  #3 (sepsis):ti,ab,kw OR (Septic shock):ti,ab,kw OR (distributive shock):ti,ab,kw OR (vasodilatory shock):ti,ab,kw OR (vasoplegic shock):ti,ab,kw (Word variations have been searched)  #4 #1 or #2 or #3  #5 (Epinephrine OR Norepinephrine OR adrenaline OR noradrenaline OR dobutamine OR dopamine OR Orciprenaline OR Catecholamines OR phenylephrine OR vasopressin OR Argipressin OR Desmopressin OR Lypressin OR Felypressin OR Ornipressin OR Terlipressin OR Glypressin OR Pituitrin OR selepressin):ti,ab,kw  #6 MeSH descriptor: [Epinephrine] explode all trees  #7 MeSH descriptor: [Norepinephrine] explode all trees  #8 MeSH descriptor: [Dobutamine] explode all trees  #9 MeSH descriptor: [Dopamine] explode all trees  #10 MeSH descriptor: [Metaproterenol] explode all trees  #11 MeSH descriptor: [Phenylephrine] explode all trees  #12 MeSH descriptor: [Catecholamines] explode all trees  #13 MeSH descriptor: [Vasopressins] explode all trees  #14 MeSH descriptor: [Arginine Vasopressin] explode all trees  #15 MeSH descriptor: [Deamino Arginine Vasopressin] explode all trees  #16 MeSH descriptor: [Lypressin] explode all trees  #17 MeSH descriptor: [Felypressin] explode all trees  #18 MeSH descriptor: [Ornipressin] explode all trees  #19 MeSH descriptor: [Terlipressin] explode all trees  #20 MeSH descriptor: [Pituitary Hormones, Posterior] explode all trees  #21 #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 OR #18 OR #19 OR #20  #22 #4 AND #21 |
| Web of Science | #1 (((((((((TS=(pituitrin)) OR TS=(vasopressin)) OR TS=(argipressin)) OR TS=(desmopressin)) OR TS=(lypressin)) OR TS=(felypressin)) OR TS=(ornipressin)) OR TS=(terlipressin)) OR TS=(glypressin)) OR TS=(selepressin)  #2 (((((((((((TS=(catecholamine)) OR TS=(catecholamines)) OR TS=(epinephrine)) OR TS=(adrenaline)) OR TS=(norepinephrine)) OR TS=(noradrenaline)) OR TS=(dobutamine)) OR TS=(dopamine)) OR TS=(orciprenaline)) OR TS=(metaproterenol)) OR TS=(phenylephrine)) OR TS=(vasoconstrictor agent)  #3 #1 OR #2  #4 ((((TS=(sepsis)) OR TS=(septic shock)) OR TS=(distributive shock)) OR TS=(vasodilatory shock)) OR TS=(vasoplegic)  #5(((((((((((((((TS=(meta analysis)) OR TS=(meta analyses)) OR TS=(meta-analysis)) OR TS=(meta-analyses)) OR TS=(metaanalysis)) OR TS=(metanalysis)) OR TS=(met-analysis)) OR TS=(metaanalyses)) OR TS=(metanalyses)) OR TS=(met-analyses)) OR TS=(systematic review)) OR TS=(systematic reviews)) OR TS=(data pooling)) OR TS=(data poolings)) OR TS=(clinical trial overview)) OR TS=(clinical trial overviews)  #6 ((#3) AND #4) AND #5 |

a The detailed search strategy of PubMed, Embase, Web of Science and Cochrane Database of Systematic Reviews.