

## Appendix 1. Search Strategies

Database	Search Strategy
<b>MEDLINE</b>  <b>Ovid MEDLINE(R)</b> <b>ALL</b> 1946 to February 24, 2022	<ol style="list-style-type: none"> <li>1. midodrine.mp.</li> <li>2. exp Shock/</li> <li>3. exp Shock, Septic/</li> <li>4. (shock or sepsis).mp.</li> <li>5. (hypoperfusion or hypo-perfusion or hypotension or hypo-tensi* or hypotensive or antihypotensi* or anti-hypotensi*).mp.</li> <li>6. exp Catecholamines/ or exp Dobutamine/ or exp Epinephrine/ or exp Felypressin/ or exp Norepinephrine/ or exp Orciprenaline/ or exp Phenylephrine/ or exp Vasopressins/</li> <li>7. (adrenaline or argipressin or catecholamine* or desmopressin or dobutamine or dopamine or epinephrine or felypressin or glypressin or lypressin or noradrenaline or norepinephrine or ornipressin or orciprenaline or phenylephrine or terlipressin or vasoconstrictor* or vaso-constrictor* or vasopressin* or vasopressor* or vaso-press* or vasostrict).mp.</li> <li>8. exp Vasoconstrictor Agents/</li> <li>9. or/2-8</li> <li>10. critical care.mp.</li> <li>11. critical* ill*.mp.</li> <li>12. (intensive care or ICU).mp.</li> <li>13. Emergency Treatment/ or Emergency Medicine/ or Emergency Medical Services/ or Emergency Service, Hospital/ or Trauma Centers/ or exp Evidence-Based Emergency Medicine/ or exp Emergency Nursing/ or Emergencies/</li> <li>14. (emergicent* or casualty department*).mp.</li> <li>15. ((emergenc* or ED) adj1 (room* or accident or ward or wards or unit or units or department* or physician* or doctor* or nurs* or treatment* or visit*)).mp.</li> <li>16. (trauma adj1 (cent* or care)).mp.</li> <li>17. or/10-16</li> <li>18. 1 and 9 and 17</li> </ol>
<b>Embase</b>  <b>Ovid Embase</b> 1974 to 2022 February 24	<ol style="list-style-type: none"> <li>1. midodrine.mp.</li> <li>2. exp shock/</li> <li>3. exp septic shock/</li> <li>4. (shock or sepsis).mp.</li> <li>5. (hypoperfusion or hypo-perfusion or hypotension or hypo-tensi* or hypotensive or antihypotensi* or anti-hypotensi*).mp.</li> </ol>

	<ol style="list-style-type: none"> <li>6. exp catecholamine/ or exp dobutamine/ or exp epinephrine/ or exp felypressin/ or exp norepinephrine/ or exp orciprenaline/ or exp phenylephrine/ or exp vasopressin derivative/</li> <li>7. (adrenaline or argipressin or catecholamine* or desmopressin or dobutamine or dopamine or epinephrine or felypressin or glypressin or lypressin or noradrenaline or norepinephrine or ornipressin or orciprenaline or phenylephrine or terlipressin or vasoconstrictor* or vaso-constrictor* or vasopressin* or vasopressor* or vaso-press* or vasostrict).mp.</li> <li>8. exp vasoconstrictor agent/</li> <li>9. or/2-8</li> <li>10. critical care.mp.</li> <li>11. critical* ill*.mp.</li> <li>12. (intensive care or ICU).mp.</li> <li>13. emergency treatment/ or emergency medicine/ or emergency health service/ or hospital emergency service/ or exp evidence based emergency medicine/ or exp emergency nursing/ or emergency/</li> <li>14. (emergicent* or casualty department*).mp.</li> <li>15. ((emergenc* or ED) adj1 (room* or accident or ward or wards or unit or units or department* or physician* or doctor* or nurs* or treatment* or visit*)).mp.</li> <li>16. (trauma adj1 (cent* or care)).mp.</li> <li>17. or/10-16</li> <li>18. 1 and 9 and 17</li> </ol>
<b>CINAHL</b>	<ol style="list-style-type: none"> <li>S1 midodrine</li> <li>S2 (MH "Shock+")</li> <li>S3 (MH "Shock, Septic+")</li> <li>S4 shock or sepsis</li> <li>S5 hypoperfusion or hypo-perfusion or hypotension or hypo-tensi* or hypotensive or antihypotensi* or anti-hypotensi*</li> <li>S6 (MH "Catecholamines+")</li> <li>S7 (MH "Dobutamine")</li> <li>S8 (MH "Epinephrine+")</li> <li>S9 (MH "Norepinephrine")</li> <li>S10 (MH "Orciprenaline")</li> <li>S11 (MH "Phenylephrine")</li> <li>S12 (MH "Vasopressins+")</li> <li>S13 adrenaline or argipressin or catecholamine* or desmopressin or dobutamine or dopamine or epinephrine or felypressin or glypressin or lypressin or noradrenaline or norepinephrine or ornipressin or orciprenaline or phenylephrine or terlipressin or vasoconstrictor* or</li> </ol>

	<p>vaso-constrictor* or vasopressin* or vasopressor* or vaso-press* or vasostrict</p> <p>S14 (MH "Vasoconstrictor Agents+")</p> <p>S15 S2 OR S3 OR S4 OR S5 OR S6 OR S7 OR S8 OR S9 OR S10 OR S11 OR S12 OR S13 OR S14</p> <p>S16 "critical care"</p> <p>S17 "critical* ill*"</p> <p>S18 "intensive care" or ICU</p> <p>S19 (MH "Emergency Treatment+")</p> <p>S20 (MH "Emergency Medicine")</p> <p>S21 (MH "Emergency Medical Services+")</p> <p>S22 (MH "Emergency Service+")</p> <p>S23 (MH "Trauma Centers")</p> <p>S24 (MH "Emergency Nursing+")</p> <p>S25 (MH "Emergencies+")</p> <p>S26 emergent* or "casualty department*"</p> <p>S27 ((emergenc* or ED) N1 (room* or accident or ward or wards or unit or units or department* or physician* or doctor* or nurs* or treatment* or visit*))</p> <p>S28 (trauma N1 (cent* or care))</p> <p>S29 S16 OR S17 OR S18 OR S19 OR S20 OR S21 OR S22 OR S23 OR S24 OR S25 OR S26 OR S27 OR S28</p> <p>S30 S1 AND S15 AND S29</p>
<p><b>Cochrane Library</b></p> <p>via Wiley</p>	<p>#1 midodrine</p> <p>#2 [mh Shock]</p> <p>#3 [mh "Shock, Septic"]</p> <p>#4 shock or sepsis</p> <p>#5 hypoperfusion or hypo-perfusion or hypotension or hypo-tensi* or hypotensive or antihypotensi* or anti-hypotensi*</p> <p>#6 [mh Catecholamines] or [mh Dobutamine] or [mh Epinephrine] or [mh Felypressin] or [mh Norepinephrine] or [mh Orciprenaline] or [mh Phenylephrine] or [mh Vasopressins]</p> <p>#7 adrenaline or argipressin or catecholamine* or desmopressin or dobutamine or dopamine or epinephrine or felypressin or glypressin or lypressin or noradrenaline or norepinephrine or ornipressin or orciprenaline or phenylephrine or terlipressin or vasoconstrictor* or vaso-constrictor* or vasopressin* or vasopressor* or vaso-press* or vasostrict</p> <p>#8 [mh "Vasoconstrictor Agents"]</p> <p>#9 {OR #2-#8}</p> <p>#10 "critical care"</p> <p>#11 critical* NEXT ill*</p>

	<p>#12 "intensive care" or ICU</p> <p>#13 [mh ^"Emergency Treatment"] or [mh ^"Emergency Medicine"] or [mh ^"Emergency Medical Services"] or [mh ^"Emergency Service, Hospital"] or [mh ^"Trauma Centers"] or [mh "Evidence-Based Emergency Medicine"] or [mh "Emergency Nursing"] or [mh ^"Emergencies"]</p> <p>#14 emergicent* or (casualty NEXT department*)</p> <p>#15 ((emergenc* or ED) NEAR/1 (room* or accident or ward or wards or unit or units or department* or physician* or doctor* or nurs* or treatment* or visit*))</p> <p>#16 (trauma NEAR/1 (cent* or care))</p> <p>#17 {OR #10-#16}</p> <p>#18 #1 AND #9 AND #17</p>
<b>Google Scholar</b>	midodrine AND (shock OR sepsis OR hypoperfusion OR hypotension OR hypotensive OR antihypotension) AND ("critical care" OR critical illness OR "emergency department")