

Additional file 1 – Sample search strategy for MEDLINE

MEDLINE strategy

Database: Ovid MEDLINE(R) In-Process & Other Non-Indexed Citations and Ovid MEDLINE(R)
<1946 to Present>

Search Strategy:

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- 1 (red blood cell\$ or red cell\$).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier]
 - 2 (RBC or pRBC or PRC or RCC).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier]
 - 3 (blood product\$ or blood component\$ or whole blood).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier]
 - 4 blood administration\$.mp.
 - 5 (blood adj3 resuscitat\$ or plasma adj3 resuscitat\$).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier]
 - 6 (freeze dried plasma or fresh frozen plasma or liquid plasma or thawed plasma or spray dried plasma or lyophilized plasma or FDP or FFP).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier]
 - 7 (hemostatic resuscitat\$ or haemostatic resuscitat\$ or damage control resuscitat\$).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier]
 - 8 1 or 2 or 3 or 4 or 5 or 6 or 7
 - 9 (pre-hospital or prehospital or pretrauma or pre-trauma).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier]
 - 10 point of injury or point of wound\$.mp.
 - 11 (on scene or en route or in transit or retrieval).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier]
 - 12 out of hospital.mp.
 - 13 (air or helicopter\$ or aviation or rotary wing).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier]

- 14 paramedic\$.mp. or exp Allied Health Personnel/ or exp emergency responders/ or exp physicians/
- 15 exp first aid/ or exp emergency treatment/ or exp accident, traffic/
- 16 (evacuation\$ or battlefield\$ or wartime or military or casualty\$).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier]
- 17 exp Military Personnel/
- 18 (advanced trauma life support or ATLS).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier]
- 19 (basic trauma life support or BTLS).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier]
- 20 9 or 10 or 11 or 12 or 14 or 15 or 16 or 17 or 18 or 19
- 21 trauma.mp. or exp "Wounds and Injuries"/
- 22 injur\$.mp.
- 23 (haemorrhag\$ or hemorrhag\$).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier]
- 24 exp Hemorrhage/ or bleed\$.mp.
- 25 shock.mp. or exp Shock, Traumatic/ or exp Shock, Hemorrhagic/
- 26 hypovol\$.mp. or exp Hypovolemia/
- 27 (blood adj2 loss).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier]
- 28 low blood pressure.mp. or hypotensi\$.mp. or exp hypotension/
- 29 21 or 22 or 23 or 24 or 25 or 26 or 27 or 28
- 30 8 and 20 and 29