



Review

A Systematic Literature Review of Packed Red Cell Transfusion Usage in Adult Extracorporeal Membrane Oxygenation

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Table S1. Search strategy.

Medline
1. exp extracorporeal oxygenation/ 2. exp bleeding/ 3. exp blood transfusion/ or exp transfusion medicine/ or exp transfusion/ or exp erythrocyte transfusion/ or exp plasma transfusion/ 4. exp fresh frozen plasma/ 5. exp fibrinogen/ 6. exp heparin/ 7. exp anticoagulation/ 8. exp thromboembolism/ or exp venous thromboembolism/ 9. exp lung embolism. 10. 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9. 11. 1 and 10. 12. limit 11 to (abstracts and human and (adult <18–64 years> or aged <65+ years)). 13. limit 12 to yr =“1996–2016”
Embase
1. exp extracorporeal membrane oxygenation/ 2. exp hemorrhage/ 3. exp platelet transfusion/ or blood transfusion/ or exp blood component transfusion/ or exp erythrocyte transfusion/ or exp transfusion medicine/ 4. exp plasma/ 5. exp fibrinogen/ 6. exp heparin/ 7. exp anticoagulants/ or exp thromboembolism/ 8. exp pulmonary embolism/ 9. 2 or 3 or 4 or 5 or 6 or 7 or 8. 10. 1 and 9. 11. limit 10 to (abstracts and English language and humans and “all adult (19 plus years)”)

Table S2. Newcastle-Ottawa Scores.

Author/Year	Type	Selection: Representativeness of Exposed Cohort	Selection: Representativeness of Non-Exposed Cohort	Selection: Ascertainment of Exposure	Selection: Demonstration that Outcome Present at Study Start	Comparability of Cohorts Based on Design and Analysis	Outcome Assessment	Out-Come-Timing of Follow Up	Out-Come-Adequacy of Follow Up	Total NOS (max = 9)
Anselmi 2016	Cohort		✓		✓	✓✓	✓	✓	✓	7
Buscher 2016	Cohort	✓	✓	✓	✓	✓	✓	✓	✓	8
Czobor 2016	Cohort	✓	✓	✓	✓	✓	✓	✓	✓	8
Hryniewicz 2016	Cohort	✓		✓	✓		✓	✓	✓	6
Krueger 2016	Cohort	✓		✓	✓		✓	✓	✓	6
Mazzeffi 2016	Cohort	✓	✓	✓	✓	✓	✓	✓	✓	8
Opfermann 2016	Cohort	✓	✓	✓	✓	✓	✓	✓	✓	8
Pan 2016	Cohort	✓	✓	✓	✓		✓	✓	✓	7
Staudacher 2016	Cohort	✓	✓	✓	✓	✓	✓	✓	✓	8
Tanaka 2016	Cohort	✓	✓	✓	✓	✓	✓	✓	✓	8
Tauber 2016	Cohort	✓	✓	✓	✓	✓	✓	✓	✓	8
Trudzinski 2016	Cohort	✓	✓	✓			✓	✓		5
Agerstrand 2015	Cohort	✓	✓	✓	✓	✓	✓	✓	✓	8
Esper 2015	Cohort	✓		✓	✓		✓	✓	✓	6
Halaweish 2015	Cohort	✓	✓	✓	✓		✓	✓	✓	7
Ius 2015	Cohort	✓		✓	✓		✓	✓	✓	6
Lehle 2015	Cohort	✓	✓	✓	✓	✓✓	✓	✓	✓	9
Li 2015	Cohort	✓	✓	✓		✓	✓	✓	✓	7
Mohite 2015	Cohort	✓	✓	✓	✓		✓	✓	✓	7
Omar 2015	Cohort	✓	✓	✓	✓	✓	✓	✓	✓	8
Panigada 2015	Cohort	✓		✓	✓		✓	✓	✓	6
Poss 2015	Cohort			✓	✓		✓	✓	✓	5
San Roman 2015	Cohort	✓		✓	✓		✓	✓	✓	6
Voelker 2015	Cohort	✓	✓	✓	✓		✓	✓	✓	7
Wu 2015	Cohort	✓		✓	✓		✓	✓	✓	6
Guirand 2014	Cohort	✓	✓	✓	✓		✓	✓	✓	7
Loforte 2014	Cohort	✓	✓	✓	✓		✓	✓	✓	7
Roch 2014	Cohort	✓	✓	✓	✓		✓	✓	✓	7
Shum 2014	Cohort	✓	✓	✓	✓		✓	✓	✓	7
Fagnoul 2013	Cohort	✓	✓	✓	✓		✓	✓	✓	7
Michaels 2013	Cohort	✓	✓	✓	✓		✓	✓	✓	7
Mikus 2013	Cohort	✓	✓	✓	✓		✓	✓	✓	7
Pieri 2013	Cohort	✓	✓	✓	✓		✓	✓	✓	7
Repesse 2013	Cohort		✓	✓	✓		✓	✓	✓	6
Loforte 2012	Cohort		✓	✓	✓		✓	✓	✓	6
Park 2012	Cohort	✓	✓	✓	✓		✓	✓	✓	7
Garcia 2011	Cohort		✓	✓	✓		✓	✓	✓	6
Han 2011	Cohort	✓	✓	✓	✓		✓	✓	✓	7
Lamarche 2011	Cohort			✓	✓		✓	✓	✓	5
Formica 2010	Cohort	✓	✓	✓	✓		✓	✓	✓	7
Kanji 2010	Cohort	✓	✓	✓	✓		✓	✓	✓	7
Marasco 2010	Cohort	✓	✓	✓	✓		✓	✓	✓	7
Rastan 2010	Cohort	✓	✓	✓	✓		✓	✓	✓	7
Ang 2009	Cohort	✓	✓	✓	✓		✓	✓	✓	7
Davies 2009	Cohort	✓	✓	✓	✓		✓	✓		6
Muller 2009	Cohort	✓	✓	✓	✓		✓	✓	✓	7
Bakhtiary 2008	Cohort	✓	✓	✓	✓		✓	✓	✓	7
Dietl 2008	Cohort	✓	✓	✓	✓		✓	✓	✓	7

