

Age of Red Cells for Transfusion and Outcomes in Critic

New England Journal of Medicine

377, 1858-1867

DOI: [10.1056/nejmoa1707572](https://doi.org/10.1056/nejmoa1707572)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Effect of age of red cells for transfusion on patient outcomes: a systematic review and meta-analysis. <i>Transfusion Medicine Reviews</i> , 2018, 32, 77-88.	0.9	46
2	Critical developments of 2017: a review of the literature from selected topics in transfusion. A committee report from the AABB Clinical Transfusion Medicine Committee. <i>Transfusion</i> , 2018, 58, 1065-1075.	0.8	2
3	Blood Product Administration in the Critical Care and Perioperative Settings. <i>Critical Care Clinics</i> , 2018, 34, 299-311.	1.0	8
4	A clinical trial of frozen platelets: rationale, protocol and pilot analysis plan. <i>ISBT Science Series</i> , 2018, 13, 331-337.	1.1	6
5	Effects of shorter versus longer storage time of transfused red blood cells in adult ICU patients: a systematic review with meta-analysis and Trial Sequential Analysis. <i>Intensive Care Medicine</i> , 2018, 44, 204-217.	3.9	20
6	Best practice in critical care: anaemia in acute and critical illness. <i>Transfusion Medicine</i> , 2018, 28, 181-189.	0.5	30
7	Adjunctive Glucocorticoid Therapy in Patients with Septic Shock. <i>New England Journal of Medicine</i> , 2018, 378, 797-808.	13.9	661
8	Band 3 phosphorylation induces irreversible alterations of stored red blood cells. <i>American Journal of Hematology</i> , 2018, 93, E110-E112.	2.0	23
9	Storage injury and blood transfusions in trauma patients. <i>Current Opinion in Anaesthesiology</i> , 2018, 31, 234-237.	0.9	6
10	Inclusion and definition of acute renal dysfunction in critically ill patients in randomized controlled trials: a systematic review. <i>Critical Care</i> , 2018, 22, 106.	2.5	5
11	Advances in critical care management of patients undergoing cardiac surgery. <i>Intensive Care Medicine</i> , 2018, 44, 799-810.	3.9	26
12	An analysis on the fate of a selection of blood products derived from cytomegalovirus seronegative donors at three tertiary referral hospitals in Australia. <i>Transfusion</i> , 2018, 58, 669-676.	0.8	0
13	MicroRNA Dysregulation Associated with Red Blood Cell Storage. <i>Transfusion Medicine and Hemotherapy</i> , 2018, 45, 397-402.	0.7	10
14	The Effects of Storage Age of Blood in Massively Transfused Burn Patients: A Secondary Analysis of the Randomized Transfusion Requirement in Burn Care Evaluation Study. <i>Critical Care Medicine</i> , 2018, 46, e1097-e1104.	0.4	14
15	Transfusion of red blood cells stored for shorter versus longer duration for all conditions. <i>The Cochrane Library</i> , 2018, 12, CD010801.	1.5	21
16	Current Risks of Transfusion. , 2018, , 279-303.		0
17	Clinical Outcomes and Red Blood Cell Storage. , 2018, , 305-319.		0
18	Blood Transfusion in the Critically Ill Patient. <i>Bangladesh Critical Care Journal</i> , 2018, 6, 40-46.	0.1	1

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19	Longer storage of red blood cells does not affect mortality in transfused liver transplant recipients. <i>Transfusion</i> , 2018, 58, 2529-2537.	0.8	2
20	Storage after gamma irradiation affects in vivo oxygen delivery capacity of transfused red blood cells in preterm infants. <i>Transfusion</i> , 2018, 58, 2108-2112.	0.8	7
21	GUIDELINE FOR THE USE OF RED BLOOD CELL PRODUCTS BASED ON SCIENTIFIC EVIDENCE (REVISION 2ND) Tj ET Oq0 0 0 rgBT /Overlo	0.1	1
22	Indications for red cell transfusions in pediatric patients. <i>Transfusion and Apheresis Science</i> , 2018, 57, 342-346.	0.5	1
23	Transfusion of packed red blood cells at the end of shelf life is associated with increased risk of mortality â€“ a pooled patient data analysis of 16 observational trials. <i>Haematologica</i> , 2018, 103, 1542-1548.	1.7	29
25	Response to: Revisiting the impact of red cell storage duration on adverse outcomes after transfusion. <i>Acta Anaesthesiologica Scandinavica</i> , 2018, 62, 1163-1164.	0.7	0
26	Revisiting the impact of red cell storage duration on adverse outcomes after transfusion. <i>Acta Anaesthesiologica Scandinavica</i> , 2018, 62, 1162-1162.	0.7	0
27	Do trials that report a neutral or negative treatment effect improve the care of critically ill patients? Yes. <i>Intensive Care Medicine</i> , 2018, 44, 1985-1988.	3.9	4
28	Rapid bedside rejuvenation of red blood cell with an autologous cell salvage device. <i>Vox Sanguinis</i> , 2018, 113, 562-568.	0.7	4
29	The age of blood in pediatric intensive care units (ABC PICU): study protocol for a randomized controlled trial. <i>Trials</i> , 2018, 19, 404.	0.7	10
30	Transfusion for Patients With Sepsis in 2018. <i>Clinical Pulmonary Medicine</i> , 2018, 25, 138-143.	0.3	0
32	Trauma-Induced Damage-Associated Molecular Patterns-Mediated Remote Organ Injury and Immunosuppression in the Acutely Ill Patient. <i>Frontiers in Immunology</i> , 2018, 9, 1330.	2.2	95
33	Measuring Post-transfusion Recovery and Survival of Red Blood Cells: Strengths and Weaknesses of Chromium-51 Labeling and Alternative Methods. <i>Frontiers in Medicine</i> , 2018, 5, 130.	1.2	27
34	Trauma resuscitation and the damage control approach. <i>Surgery</i> , 2018, 36, 409-416.	0.1	1
35	Red cell transfusion and clinical outcomes in acute pulmonary embolism: Harmful therapy or an indicator of sicker patients with poor prognosis?. <i>Respirology</i> , 2018, 23, 887-888.	1.3	1
36	Storage time of red blood cells among ICU patients with septic shock. <i>Acta Anaesthesiologica Scandinavica</i> , 2019, 63, 1366-1377.	0.7	1
37	A randomized, controlled pilot clinical trial of cryopreserved platelets for perioperative surgical bleeding: the CLIPâ€“ trial <i>(Editorial, p. 2759)</i>. <i>Transfusion</i> , 2019, 59, 2794-2804.	0.8	40
38	Review of current transfusion therapy and blood banking practices. <i>Blood Reviews</i> , 2019, 38, 100593.	2.8	49

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39	Hemolysis and Kidney Injury in Cardiac Surgery: The Protective Role of Nitric Oxide Therapy. <i>Seminars in Nephrology</i> , 2019, 39, 484-495.	0.6	18
40	The use of rejuvenated red blood cells for transfusion in patients with sickle cell anemia. <i>Transfusion</i> , 2019, 59, 3042-3045.	0.8	1
41	From omics technologies to personalized transfusion medicine. <i>Expert Review of Proteomics</i> , 2019, 16, 215-225.	1.3	8
42	Blood transfusions, blood storage, and correlation with elevated pulmonary arterial pressures. <i>Transfusion</i> , 2019, 59, 1259-1266.	0.8	7
43	Intraoperative Transfusion of Red Blood Cell Units Stored >14 Days is Associated with an Increased Risk of Prosthetic Joint Infection. <i>Journal of Bone and Joint Infection</i> , 2019, 4, 85-91.	0.6	3
44	Blood Therapy in the Acute Care Surgery Patient. <i>Hot Topics in Acute Care Surgery and Trauma</i> , 2019, , 181-194.	0.1	0
46	Can we be certain that storage duration of transfused red blood cells does not affect patient outcomes?. <i>BMJ: British Medical Journal</i> , 2019, 365, l2320.	2.4	13
47	Pre-clinical study protocol: Blood transfusion in endotoxaemic shock. <i>MethodsX</i> , 2019, 6, 1124-1132.	0.7	1
48	Characterizing red blood cell age exposure in massive transfusion therapy: the scalar age of blood index (SBI). <i>Transfusion</i> , 2019, 59, 2699-2708.	0.8	8
49	Fluid Management in Acute Respiratory Distress Syndrome. <i>Seminars in Respiratory and Critical Care Medicine</i> , 2019, 40, 057-065.	0.8	21
50	Influence of blood storage age on immune and coagulation parameters in critically ill transfused patients. <i>Transfusion</i> , 2019, 59, 1223-1232.	0.8	6
51	Haematological quality and age of donor blood issued for paediatric transfusion to four hospitals in sub-Saharan Africa. <i>Vox Sanguinis</i> , 2019, 114, 340-348.	0.7	13
52	Age of Red Cells for Transfusion and Outcomes in Critically Ill Patients: A Meta-Analysis. <i>Transfusion Medicine and Hemotherapy</i> , 2019, 46, 248-256.	0.7	5
53	Transfusion Requirements in Anesthesia and Intensive Care. <i>Current Anesthesiology Reports</i> , 2019, 9, 194-201.	0.9	2
54	A longer duration of red blood cell storage is associated with a lower hemoglobin increase after blood transfusion: a cohort study. <i>Transfusion</i> , 2019, 59, 1945-1952.	0.8	18
55	The WHEAT pilot trial "Withholding Enteral feeds Around packed red cell Transfusion to prevent necrotising enterocolitis in preterm neonates: a multicentre, electronic patient record (EPR), randomised controlled point-of-care pilot trial. <i>BMJ Open</i> , 2019, 9, e033543.	0.8	16
56	Red Blood Cell Deformability, Vasoactive Mediators, and Adhesion. <i>Frontiers in Physiology</i> , 2019, 10, 1417.	1.3	38
57	Association between storage age of transfused red blood cells and clinical outcomes in critically ill adults: A meta-analysis of randomized controlled trials. <i>Medicina Intensiva (English Edition)</i> , 2019, 43, 528-537.	0.1	0

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58	Fresh Red Cells for Transfusion in Critically Ill Adults: An Economic Evaluation of the Standard Issue Transfusion Versus Fresher Red-Cell Use in Intensive Care (TRANSFUSE) Clinical Trial. <i>Critical Care Medicine</i> , 2019, 47, e572-e579.	0.4	5
59	Age of Red Blood Cells for Transfusion in Critically Ill Pediatric Patients. <i>JAMA - Journal of the American Medical Association</i> , 2019, 322, 2175.	3.8	2
60	Which Multicenter Randomized Controlled Trials in Critical Care Medicine Have Shown Reduced Mortality? A Systematic Review. <i>Critical Care Medicine</i> , 2019, 47, 1680-1691.	0.4	105
61	Effect of Fresh vs Standard-issue Red Blood Cell Transfusions on Multiple Organ Dysfunction Syndrome in Critically Ill Pediatric Patients. <i>JAMA - Journal of the American Medical Association</i> , 2019, 322, 2179.	3.8	62
62	Essentials of emergency transfusionâ€”The complement to stop the bleed. <i>Journal of Trauma and Acute Care Surgery</i> , 2019, 87, 420-429.	1.1	4
63	Red Blood Cells Products. , 2019, , 199-203.		1
64	Transfused trauma patients have better outcomes when transfused with blood components from young donors. <i>Medical Hypotheses</i> , 2019, 122, 141-146.	0.8	3
65	Intradonor reproducibility and changes in hemolytic variables during red blood cell storage: results of recall phase of the REDSâ€”III RBCâ€”omics study. <i>Transfusion</i> , 2019, 59, 79-88.	0.8	47
66	Older Blood Is Associated With Increased Mortality and Adverse Events in Massively Transfused Trauma Patients: Secondary Analysis of the PROPPR Trial. <i>Annals of Emergency Medicine</i> , 2019, 73, 650-661.	0.3	38
67	Transfusion Medicine. , 2019, , 463-486.		0
68	Comparison of group O Rh(D)â€” red blood cell use in pregnant women across hospitals of various sizes and obstetric capabilities prior to the introduction of patient blood management guidelines. <i>Australian and New Zealand Journal of Obstetrics and Gynaecology</i> , 2020, 60, 498-503.	0.4	1
69	Contrasting effects of stored allogeneic red blood cells and their supernatants on permeability and inflammatory responses in human pulmonary endothelial cells. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2020, 318, L533-L548.	1.3	6
70	Novel Clinical Trial Designs to Improve the Efficiency of Research. <i>Anesthesiology</i> , 2020, 132, 69-81.	1.3	32
71	Effect of red blood cell storage duration on major postoperative complications in cardiac surgery: A randomized trial. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020, 160, 1505-1514.e3.	0.4	15
72	Old, older, the oldest: red blood cell storage and the potential harm of using older red blood cell concentrates. <i>Current Opinion in Anaesthesiology</i> , 2020, 33, 234-239.	0.9	14
73	Management and prevention of anemia (acute bleeding excluded) in adult critical care patients. <i>Annals of Intensive Care</i> , 2020, 10, 97.	2.2	24
74	Transfusion in the mechanically ventilated patient. <i>Intensive Care Medicine</i> , 2020, 46, 2450-2457.	3.9	16
75	Innate coagulability changes with age in stored packed red blood cells. <i>Thrombosis Research</i> , 2020, 195, 35-42.	0.8	2

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76	Management and prevention of anemia (acute bleeding excluded) in adult critical care patients. <i>Anaesthesia, Critical Care & Pain Medicine</i> , 2020, 39, 655-664.	0.6	11
77	Resuscitation From Hemorrhagic Shock With Fresh and Stored Blood and Polymerized Hemoglobin. <i>Shock</i> , 2020, 54, 464-473.	1.0	15
78	Guidelines for the management of neonates and infants with hypoplastic left heart syndrome: The European Association for Cardio-Thoracic Surgery (EACTS) and the Association for European Paediatric and Congenital Cardiology (AEPC) Hypoplastic Left Heart Syndrome Guidelines Task Force. <i>European Journal of Cardio-thoracic Surgery</i> , 2020, 58, 416-499.	0.6	48
79	Hemostatic potential of cold-stored non-leukoreduced whole blood over time: An assessment of platelet function and thrombin generation for optimal shelf life. <i>Journal of Trauma and Acute Care Surgery</i> , 2020, 89, 429-434.	1.1	9
80	Dynamics of shape recovery by stored red blood cells during washing at the single cell level. <i>Transfusion</i> , 2020, 60, 2370-2378.	0.8	5
81	Volume-dependent effect of stored red blood cells: A secondary analysis of the Age of Blood Evaluation trial. <i>Transfusion</i> , 2020, 60, 1929-1939.	0.8	5
82	Inter-donor variability in deformability of red blood cells in blood units. <i>Transfusion Medicine</i> , 2020, 30, 492-496.	0.5	9
83	Soluble mediators in packed red blood cells augment lipopolysaccharide-induced monocyte interleukin-1 β production. <i>Vox Sanguinis</i> , 2020, 115, 562-569.	0.7	2
85	Red blood cell manufacturing methods and storage solutions differentially induce pulmonary cell activation. <i>Vox Sanguinis</i> , 2020, 115, 395-404.	0.7	2
86	What is the best approach to resuscitation in trauma?. , 2020, , 556-566.e1.		0
87	Are most randomised trials in anaesthesia and critical care wrong? An analysis using Bayes's theorem. <i>Anaesthesia</i> , 2020, 75, 1386-1393.	1.8	24
88	Ovine red cell concentrates for transfusion research – is the storage lesion comparable to human red cell concentrates?. <i>Vox Sanguinis</i> , 2021, 116, 524-532.	0.7	1
89	Interactions between Biomedical Micro-NanoMotors and the Immune Molecules, Immune Cells, and the Immune System: Challenges and Opportunities. <i>Advanced Healthcare Materials</i> , 2021, 10, e2001788.	3.9	32
90	Known and Unknown Unknowns in Making Erythrocyte Transfusion Decisions. <i>Anesthesiology</i> , 2021, 134, 359-362.	1.3	0
91	Blood Component Therapy. , 2021, , 21-28.		0
92	Blood Transfusion Pitfalls. , 2021, , 301-311.		0
93	Impact of Blood Product Transfusions on the Risk of ICU-Acquired Infections in Septic Shock*. <i>Critical Care Medicine</i> , 2021, 49, 912-922.	0.4	12
95	Rapid clearance of storage-induced microerythrocytes alters transfusion recovery. <i>Blood</i> , 2021, 137, 2285-2298.	0.6	45

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96	Age of red blood cells is not associated with in-hospital mortality in massively transfused patients. <i>Journal of Trauma and Acute Care Surgery</i> , 2021, 91, 279-286.	1.1	0
97	A pilot randomized clinical trial of cryopreserved versus liquidâ€stored platelet transfusion for bleeding in cardiac surgery: The cryopreserved versus liquid plateletâ€New Zealand pilot trial. <i>Vox Sanguinis</i> , 2022, 117, 337-345.	0.7	13
98	Association between the length of storage of transfused leukoreduced red blood cell units and hospitalâ€acquired infections in critically ill children: A secondary analysis of the <sc>TRIPICU</sc> study. <i>Transfusion Medicine</i> , 2021, 31, 467-473.	0.5	6
99	Platelet and Red Blood Cell Transfusions and Risk of Acute Graft-versus-Host Disease after Myeloablative Allogeneic Hematopoietic Cell Transplantation. <i>Transplantation and Cellular Therapy</i> , 2021, 27, 866.e1-866.e9.	0.6	2
100	Preservation of Renal Function. , 2022, , 222-250.		0
101	Association between Blood Donor Demographics and Post-Injury Multiple Organ Failure after Polytrauma. <i>Annals of Surgery</i> , 2021, Publish Ahead of Print, .	2.1	2
102	Blood Management for the Geriatric Patient. , 2021, , 379-385.		0
103	The prehospital use of younger age whole blood is associated with an improved arrival coagulation profile. <i>Journal of Trauma and Acute Care Surgery</i> , 2021, 90, 607-614.	1.1	10
104	Association between storage age of transfused red blood cells and clinical outcomes in critically ill adults: A meta-analysis of randomized controlled trials. <i>Medicina Intensiva</i> , 2019, 43, 528-537.	0.4	5
105	Effect of Red Blood Cell Storage Duration on Outcomes of Isolated Traumatic Brain Injury. <i>Medical Science Monitor</i> , 2020, 26, e923448.	0.5	4
106	Role of heme in lung bacterial infection after trauma hemorrhage and stored red blood cell transfusion: A preclinical experimental study. <i>PLoS Medicine</i> , 2018, 15, e1002522.	3.9	51
107	Red blood cell storage lesion: causes and potential clinical consequences. <i>Blood Transfusion</i> , 2019, 17, 27-52.	0.3	234
108	An oxygen balancing act: a narrative review of red blood cell transfusion in extracorporeal membrane oxygenation. <i>Annals of Blood</i> , 0, .	0.4	0
110	Impact of Storage Lesion on Post-transfusion Rise in Hemoglobin. <i>Cureus</i> , 2018, 10, e2952.	0.2	2
111	Landmark Papers on Blood and Component Transfusion Therapy in the Critically Ill: A Critical Analysis. <i>Indian Journal of Critical Care Medicine</i> , 2019, 23, 0-0.	0.3	1
112	Coagulopathy in the Intensive Care Unit. , 2020, , 631-642.		0
113	Transfusion Practices and Complications. , 2020, , 63-75.		0
114	Red Blood Cell Transfusion. , 2021, , 335-351.		0

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116	Diversity in a blood bag: application of omics technologies to inform precision Transfusion Medicine. <i>Blood Transfusion</i> , 2019, 17, 258-262.	0.3	11
117	Prolonged Blood Storage and Risk of Posttransfusion Acute Kidney Injury. <i>Anesthesiology</i> , 2022, 136, 138-147.	1.3	1
118	Age of Red Cells for Transfusion and Outcomes in Patients with ARDS. <i>Journal of Clinical Medicine</i> , 2022, 11, 245.	1.0	4
119	Transfusion-Associated Delirium in Children: No Difference Between Short Storage Versus Standard Issue RBCs. <i>Critical Care Medicine</i> , 2022, 50, 173-182.	0.4	2
120	Touchable cell biophysics property recognition platforms enable multifunctional blood smart health care. <i>Microsystems and Nanoengineering</i> , 2021, 7, 103.	3.4	18
123	Intervening on the storage time of RBC units and its effects on adverse recipient outcomes using real-world data. <i>Blood</i> , 2022, 139, 3647-3654.	0.6	12
124	Does the age of packed red blood cells, donor sex or sex mismatch affect the sublingual microcirculation in critically ill intensive care unit patients? A secondary interpretation of a retrospective analysis. <i>Journal of Clinical Monitoring and Computing</i> , 2023, 37, 179-188.	0.7	0
126	Transfusion-Related Renal Dysfunction After Cardiac Surgery. <i>JACC Basic To Translational Science</i> , 2022, 7, 627-638.	1.9	3
127	Metabolic reprogramming under hypoxic storage preserves faster oxygen unloading from stored red blood cells. <i>Blood Advances</i> , 2022, 6, 5415-5428.	2.5	15
129	The role of anemia on admission in acute coronary syndrome - An umbrella review of systematic reviews and meta-analyses. <i>International Journal of Cardiology</i> , 2022, 367, 1-10.	0.8	6
130	Clinical Effects and Possible Mechanisms of Transfusion-Related Immunomodulation. , 0, , .		0
131	Cell-Free Hemoglobin in Acute Kidney Injury after Lung Transplantation and Experimental Renal Ischemia/Reperfusion. <i>International Journal of Molecular Sciences</i> , 2022, 23, 13272.	1.8	4
132	Blood Banking Considerations in Pediatric Trauma. <i>Journal of Trauma and Acute Care Surgery</i> , 0, Publish Ahead of Print, .	1.1	0
133	Immunomodulatory Properties of Packed Red Blood Cells during Storage. <i>Transfusion Medicine and Hemotherapy</i> , 2023, 50, 208-217.	0.7	1
134	The Impact of Restrictive Transfusion Practices on Hemodynamically Stable Critically Ill Children Without Heart Disease: A Secondary Analysis of the Age of Blood in Children in the PICU Trial*. <i>Pediatric Critical Care Medicine</i> , 2023, 24, 84-92.	0.2	2
135	Storage Wars: Is It Time to Retire the Myth of the "Storage Lesion" in Red Cell Transfusion?*. <i>Critical Care Medicine</i> , 2023, 51, 427-430.	0.4	0
136	The oxygen dissociation curve of blood in COVID-19 "An update. <i>Frontiers in Medicine</i> , 0, 10, .	1.2	6
137	Magnetically Actuated Hydrogel Stamping-Assisted Cellular Mechanical Analyzer for Stored Blood Quality Detection. <i>ACS Sensors</i> , 2023, 8, 1183-1191.	4.0	4

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148	How to Use Blood and Blood Products. , 2024, , 259-274.		0