

CITATION REPORT

List of articles citing

Pharmacokinetics of hydroxyethyl starch

DOI: 10.2165/00003088-200544070-00002
Clinical Pharmacokinetics, 2005, 44, 681-99.

Source: <https://exaly.com/paper-pdf/39421298/citation-report.pdf>

Version: 2024-04-17

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
156	Comparison of two hydroxyethyl starch 200/0.5 formulations with regard to hemorheology, coagulation and elimination kinetics. 2006 , 8, 69-76		
155	Attenuation of capillary leakage by hydroxyethyl starch (130/0.42) in a porcine model of septic shock. 2006 , 34, 3005-10		37
154	Osmotic nephrosis in a renal transplant recipient. 2006 , 70, 1873-6		14
153	Fluid Management in Sepsis: Colloids or Crystalloids?. 2007 , 563-573		3
152	Influence of volume therapy with a modern hydroxyethylstarch preparation on kidney function in cardiac surgery patients with compromised renal function: a comparison with human albumin. 2007 , 35, 2740-6		113
151	Remplissage vasculaire et autres techniques de correction volémique. 2007 , 2, 1-24		
150	The starch family: are they all equal? Pharmacokinetics and pharmacodynamics of hydroxyethyl starches. 2007 , 9, 152-163		17
149	Differences in chemical structures between waxy maize- and potato starch-based hydroxyethyl starch volume therapeutics. 2007 , 9, 127-133		20
148	Hydrophobically modified hydroxyethyl starch: synthesis, characterization, and aqueous self-assembly into nano-sized polymeric micelles and vesicles. <i>Biomacromolecules</i> , 2007 , 8, 359-67	6.9	114
147	Pharmacodynamics and organ storage of hydroxyethyl starch in acute hemodilution in pigs: influence of molecular weight and degree of substitution. 2007 , 33, 1637-44		26
146	The viscosity of hydroxy-ethyl starch. 2008 , 55, 4751761-4751762		
145	Haemodilution induced by hydroxyethyl starches 130/0.4 is similar in septic and non-septic patients. 2008 , 52, 229-35		12
144	Development of spontaneous subdural hematoma and bone marrow depression after hydroxyethyl starch administration. 2008 , 153, 579-81		11
143	Influence of hydroxyethyl starch (6% HES 130/0.4) administration on hematology and clinical chemistry parameters. 2008 , 46, 558-62		3
142	Permanent renal failure induced by pentastarch. 2008 , 1, 322-5		5
141	Effects of synthetic versus natural colloid resuscitation on inducing dilutional coagulopathy and increasing hemorrhage in rabbits. 2008 , 64, 1218-28; discussion 1228-9		32
140	Safety of HES 130/0.4 (Voluven(R)) in patients with preoperative renal dysfunction undergoing abdominal aortic surgery: a prospective, randomized, controlled, parallel-group multicentre trial. 2008 , 25, 986-94		65

139	HES 130/0.4 (Voluven) or human albumin in children younger than 2 yr undergoing non-cardiac surgery. A prospective, randomized, open label, multicentre trial. 2008 , 25, 437-45	43
138	Mechanisms of the anti-inflammatory effects of hydroxyethyl starch demonstrated in a flow-based model of neutrophil recruitment by endothelial cells. 2008 , 36, 1536-42	57
137	Acute normovolaemic haemodilution with a novel hydroxyethyl starch (130/0.4) reduces focal cerebral ischaemic injury in rats. 2008 , 25, 581-8	9
136	The role of tetrastarches for volume replacement in the perioperative setting. 2008 , 21, 674-8	9
135	The effects of hydroxyethyl starch 130/0.4 (6%) on blood loss and use of blood products in major surgery: a pooled analysis of randomized clinical trials. 2008 , 107, 382-90	126
134	A novel biologic hemostatic dressing (fibrin patch) reduces blood loss and resuscitation volume and improves survival in hypothermic, coagulopathic Swine with grade V liver injury. 2008 , 64, 75-80	27
133	Hydroxyethyl Starch 130/0.4. 2008 , 43, 396-408	3
132	Influence on coagulation of a potato-derived hydroxethylstarch (HES 130/0.42) and a maize-derived hydroxethylstarch (HES 130/0.4) in patients undergoing cardiac surgery. 2009 , 102, 191-7	16
131	Relevance of non-albumin colloids in intensive care medicine. 2009 , 23, 193-212	47
130	The influence of a balanced volume replacement concept on inflammation, endothelial activation, and kidney integrity in elderly cardiac surgery patients. 2009 , 35, 462-70	36
129	PRO: hydroxyethylstarch can be safely used in the intensive care patient--the renal debate. 2009 , 35, 1331-6	20
128	The effect of Hetastarch (670/0.75) in vivo on platelet closure time in the dog. 2009 , 19, 444-9	44
127	Reply to R HES 130/0.4 (Voluven) or human albumin in children younger than 2 yr undergoing non-cardiac surgery. A prospective, randomized, open label, multicentre trial 2009 , 26, 702-4	
126	Modern rapidly degradable hydroxyethyl starches: current concepts. 2009 , 108, 1574-82	57
125	Pentastarch 10% (250 kDa/0.45) is an independent risk factor of acute kidney injury following cardiac surgery. 2009 , 37, 1293-8	75
124	Balanced hydroxyethylstarch preparations: are they all the same? In-vitro thrombelastometry and whole blood aggregometry. 2009 , 26, 1020-5	4
123	Hydroxyethyl starch (HES) versus other fluid therapies: effects on kidney function. 2009 ,	4
122	Hydroxyethyl Starch 130/0.4 and Surgical Blood Loss. 2009 , 108, 672-673	3

121	Iatrogenic Hypoalbuminemia Due to Hydroxyethyl Starch 130/0.4. 2010 , 110, 1243		
120	Is the use of colloids for fluid replacement harmless in children?. 2010 , 23, 363-7		10
119	Colloid solutions: a clinical update. <i>Journal of Anesthesia</i> , 2010 , 24, 913-25	2.2	39
118	Hydroxyethyl starch 130/0.4 attenuates early hepatic damage in ischemia/reperfusion injury. 2010 , 57, 439-45		3
117	A tissue adhesives evaluated in vitro and in vivo analysis. 2010 , 94, 326-32		32
116	Tolérance des hydroxyéthylamidon (HEA) : où en est-on ?. 2010 , 14, 264-271		
115	Hydroxyethyl starch (HES) versus other fluid therapies: effects on kidney function. 2010 , CD007594		52
114	[Hydroxyethyl starch]. 2010 , 29, 543-51		0
113	Pharmacology of Intravenous Fluids. 2010 , 109-118		
112	Colloidi o soluzioni macromolecolari di riempimento vascolare. <i>EMC - Anestesia-Rianimazione</i> , 2011 , 16, 1-18	0	
111	Coloides o soluciones macromoleculares de reposición vascular. <i>EMC - Anestesia-Reanimación</i> , 2011 , 37, 1-19	0.1	
110	Intravascular volume therapy with colloids in cardiac surgery. 2011 , 25, 847-55		17
109	Efficacy and safety of hydroxyethyl starch 6% 130/0.4 in a balanced electrolyte solution (Volulyte) during cardiac surgery. 2011 , 25, 407-14		46
108	Colloids and renal dysfunction: another brick in the wall of safety concerns. 2011 , 39, 1565-6		
107	Colloïdes ou solutions macromoléculaires de remplissage vasculaire. 2011 , 8, 1-18		1
106	Effects of 6% hetastarch (600/0.75) or lactated Ringer's solution on hemostatic variables and clinical bleeding in healthy dogs anesthetized for orthopedic surgery. 2011 , 38, 94-105		30
105	The safety of synthetic colloid in critically ill patients with severe traumatic brain injuries. 2011 , 26, 357-62		11
104	A rapid analytical method for the detection of plasma volume expanders and mannitol based on the urinary saccharides and polyalcohols profile. 2011 , 3, 896-905		4

103	Specific screening method for dextran and hydroxyethyl starch in human urine by size exclusion chromatography-in-source collision-induced dissociation-time-of-flight mass spectrometry. 2011 , 401, 563-71		8
102	Hydroxyethyl starch for cardiovascular surgery: a systematic review of randomized controlled trials. 2011 , 67, 767-82		12
101	Albumin utilization in cardiac surgery after transition to hydroxyethyl starch 130/0.4. 2012 , 25, 606-10		1
100	Pharmacokinetics and safety of 6% hydroxyethyl starch 130/0.4 in healthy male volunteers of Japanese ethnicity after single infusion of 500ml solution. <i>Journal of Anesthesia</i> , 2012 , 26, 851-7	2.2	5
99	Impact of intravascular volume replacement and transfusion on outcome: where are we now?. 2012 , 26, 485-97		
98	Assessment of hemodynamic efficacy and safety of 6% hydroxyethylstarch 130/0.4 vs. 0.9% NaCl fluid replacement in patients with severe sepsis: The CRYSTMAS study. <i>Critical Care</i> , 2012 , 16,	10.8	65
97	Anesthesia for patients with acute burn injuries. 2012 , 151-162		
96	In vitro effect of hydroxyethyl starch 130/0.42 on canine platelet function. 2012 , 73, 1908-12		28
95	Intravenous fluid therapy. 62-70		
94	The viscous behaviour of HES 130/0.4 (Voluven®) and HES 260/0.45 (Pentaspan®). 2012 , 59, 288-94		4
93	Challenges for PEGylated Proteins and Alternative Half-Life Extension Technologies Based on Biodegradable Polymers. 2013 , 215-233		11
92	Interactions between the volume effects of hydroxyethyl starch 130/0.4 and Ringer's acetate. <i>Critical Care</i> , 2013 , 17, R104	10.8	30
91	The role of hydroxyethyl starch in preventing surgical-site infections and nipple necrosis in patients undergoing reduction mammoplasty: a prospective case-control study of 334 patients. 2013 , 37, 554-60		4
90	Hydroxyethyl starch (HES) versus other fluid therapies: effects on kidney function. 2013 , CD007594		88
89	Fluid management in cardiac surgery: colloid or crystalloid?. 2013 , 31, 269-80		17
88	How to Maintain and Restore Fluid Balance: Colloids. 2013 , 47-69		
87	In vitro effects of three formulations of hydroxyethyl starch solutions on coagulation and platelet function in horses. 2013 , 74, 712-20		27
86	Prevention of paracentesis-induced circulatory dysfunction. 2013 , 3, 118-125		4

85	Fluid administration and the kidney. 2013 , 19, 308-14		22
84	Hemodynamic effects of 6% hydroxyethyl starch infusion in sevoflurane-anesthetized thoroughbred horses. <i>Journal of Veterinary Medical Science</i> , 2013 , 75, 841-5	1.1	7
83	Effects of intravascular volume replacement on lung and kidney function and damage in nonseptic experimental lung injury. <i>Anesthesiology</i> , 2013 , 118, 395-408	4.3	23
82	Plasma volume expanders: classification and characteristics of colloids. 2013 , 56, 924		2
81	Acute normovolemic hemodilution in the pig is associated with renal tissue edema, impaired renal microvascular oxygenation, and functional loss. <i>Anesthesiology</i> , 2013 , 119, 256-69	4.3	43
80	Hydroxyethyl starch: a review of pharmacokinetics, pharmacodynamics, current products, and potential clinical risks, benefits, and use. 2014 , 24, 642-61		52
79	Effect of synthetic colloid administration on hemodynamic and laboratory variables in healthy dogs and dogs with systemic inflammation. 2014 , 24, 251-8		19
78	Infusion of 7.2% NaCl/6% hydroxyethyl starch 200/0.5 in on-pump coronary artery bypass surgery patients: a randomized, single-blind pilot study. 2014 , 41, 193-9		4
77	Synthetic Colloids in Cardiac Surgery. 2014 , 42, 129-135		
76	Hydroxyethyl starches: a tale of two contexts: the problem of knowledge. 2014 , 119, 509-513		9
75	Investigation of urinary excretion of hydroxyethyl starch and dextran by uhplc-hrms in different acquisition modes. 2014 , 31, 95-104		4
74	Cardiovascular, colloid osmotic pressure, and hemostatic effects of 2 formulations of hydroxyethyl starch in healthy horses. <i>Journal of Veterinary Internal Medicine</i> , 2014 , 28, 223-33	3.1	30
73	Clinical use of hydroxyethyl starch and serious adverse effects: Need for awareness amongst the medical fraternity. 2014 , 70, 209-10		3
72	Liberal or restricted fluid administration: are we ready for a proposal of a restricted intraoperative approach?. 2014 , 14, 62		47
71	Protein HESylation for half-life extension: synthesis, characterization and pharmacokinetics of HESylated anakinra. 2014 , 87, 378-85		49
70	Fluid management for the prevention and attenuation of acute kidney injury. 2014 , 10, 37-47		187
69	Intravenous starches: is suspension the best solution?. 2014 , 119, 731-736		11
68	How we handled the dextran shortage: an alternative washing or dilution solution for cord blood infusions. 2015 , 55, 1147-53		16

67	Update of use of hydroxyethyl starches in surgery and trauma. 2015 , 78, S54-9		9
66	Head to head comparison of the formulation and stability of concentrated solutions of HESylated versus PEGylated anakinra. 2015 , 104, 515-26		22
65	Association of high volumes of hydroxyethyl starch with acute kidney injury in elderly trauma patients. 2015 , 46, 105-9		11
64	Crystalloids, Colloids, And Hemoglobin-Based Oxygen-Carrying Solutions. 2015 , 311-316		2
63	Controversies in the use of hydroxyethyl starch solutions in small animal emergency and critical care. 2015 , 25, 20-47		39
62	Current Strategies for Pharmacokinetic Optimization. 2015 , 269-311		3
61	A critical appraisal of intravenous fluids: from the physiological basis to clinical evidence. 2015 , 30, 178-87		47
60	Effect of hydroxyethyl starch on blood glucose levels. 2016 , 69, 350-6		4
59	Histopathological Evaluation of Contrast-Induced Acute Kidney Injury Rodent Models. <i>BioMed Research International</i> , 2016 , 2016, 3763250	3	30
58	Effect of infusion of equine plasma or 6% hydroxyethyl starch (600/0.75) solution on plasma colloid osmotic pressure in healthy horses. 2016 , 77, 708-14		9
57	The Dilemma for Using Hydroxyethyl Starch Solutions for Perioperative Fluid Management. 2016 , 235-256		
56	Half-Life Extension of Biopharmaceuticals using Chemical Methods: Alternatives to PEGylation. <i>ChemMedChem</i> , 2016 , 11, 2474-2495	3.7	102
55	Redox-Sensitive Hydroxyethyl Starch-Doxorubicin Conjugate for Tumor Targeted Drug Delivery. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 30833-30844	9.5	71
54	Raman-based detection of hydroxyethyl starch in kidney allograft biopsies as a potential marker of allograft quality in kidney transplant recipients. <i>Scientific Reports</i> , 2016 , 6, 33045	4.9	10
53	The Colloid Controversy: Are Colloids Bad and What Are the Options?. <i>Veterinary Clinics of North America - Small Animal Practice</i> , 2017 , 47, 411-421	2.4	9
52	Clinical Pharmacology and Administration of Fluid, Electrolyte, and Blood Component Solutions. 2017 , 386-413		2
51	Nanocolloidosomes with Selective Drug Release for Active Tumor-Targeted Imaging-Guided Photothermal/Chemo Combination Therapy. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 42225-42238	9.5	35
50	Chloroquine-Modified Hydroxyethyl Starch as a Polymeric Drug for Cancer Therapy. <i>Biomacromolecules</i> , 2017 , 18, 2247-2257	6.9	28

49	Comparison of the pharmacokinetics of two formulations of hydroxyethyl starch in healthy horses. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2017 , 40, 309-313	1.4	1
48	Rapid exacerbation of renal function after administration of hydroxyethyl starch in a dog. <i>Journal of Veterinary Medical Science</i> , 2017 , 79, 1591-1595	1.1	4
47	Effects of hydroxyethyl starch 130/0.4 on the kidney tissue of rats with ureteral obstruction. <i>Drug Design, Development and Therapy</i> , 2018 , 12, 3061-3070	4.4	1
46	Non-dialytic Management of Acute Kidney Injury. 2018 , 289-308		
45	Effects of 6% tetrastarch or lactated Ringer's solution on blood coagulation in hemorrhaged dogs. <i>Journal of Veterinary Internal Medicine</i> , 2018 , 32, 1927-1933	3.1	8
44	Acute Effect of Hypervolemic Hemodilution on Retrobulbar Hemodynamics in Anterior Ischemic Optic Neuropathy. <i>BioMed Research International</i> , 2018 , 2018, 4756313	3	1
43	iRGD-decorated reduction-responsive nanoclusters for targeted drug delivery. <i>Nanoscale</i> , 2018 , 10, 10514-10527	1.7	1
42	The Incidence and Risk Factors of Acute Kidney Disease after Total Knee Arthroplasty with Early Postoperative Volume Supplement. <i>BioMed Research International</i> , 2018 , 2018, 8718545	3	7
41	Potentiating photodynamic therapy of ICG-loaded nanoparticles by depleting GSH with PEITC. <i>Nanoscale</i> , 2019 , 11, 6384-6393	7.7	58
40	Transformable nanotherapeutics enabled by ICG: towards enhanced tumor penetration under NIR light irradiation. <i>Nanoscale</i> , 2019 , 11, 6217-6227	7.7	18
39	Postoperative Blood Loss and Coagulation Changes After Balanced 6% Hydroxyethyl Starch 130/0.4 Administration During Spine Surgery: A Retrospective Study. <i>Clinical Spine Surgery</i> , 2019 , 32, E65-E70	1.8	3
38	Polysaccharides for protein and peptide conjugation. 2020 , 421-453		4
37	Effects of different plasma expanders on rats subjected to severe acute normovolemic hemodilution. <i>Military Medical Research</i> , 2020 , 7, 55	19.3	
36	On Entropy Measures of Polycyclic Hydroxychloroquine Used for Novel Coronavirus (COVID-19) Treatment. <i>Polycyclic Aromatic Compounds</i> , 2020 , 1-26	1.3	10
35	Evaluation of postoperative kidney function after administration of 6% hydroxyethyl starch during living-donor nephrectomy for transplantation. <i>Journal of Anesthesia</i> , 2021 , 35, 59-67	2.2	
34	Conflicting Evidences. 2021 , 209-218		
33	Effects of hydroxyethyl starch and gelatin on the risk of acute kidney injury following orthotopic liver transplantation: A multicenter retrospective comparative clinical study. <i>Open Medicine (Poland)</i> , 2021 , 16, 322-331	2.2	0
32	Topological Study of Hydroxychloroquine Conjugated Molecular Structure Used for Novel Coronavirus (COVID-19) Treatment. <i>Polycyclic Aromatic Compounds</i> , 1-17	1.3	8

31	Colloidi o soluti macromolecolari di riempimento vascolare. <i>EMC - Anestesia-Rianimazione</i> , 2021 , 26, 1-110		
30	Coloides o soluciones macromoleculares de reposici3n vascular. <i>EMC - Anestesia-Reanimaci3n</i> , 2021 , 47, 1-13	0.1	
29	Hydroxyethyl starch-new indocyanine green conjugates for enhanced cancer photodynamic therapy. <i>Carbohydrate Research</i> , 2021 , 508, 108416	2.9	1
28	Advances in thermoplastic starch-based biopolymers: Fabrication and improvement. 2021 , 205-255		1
27	Hydroxyethylstarch revisited for acute brain injury treatment. <i>Neural Regeneration Research</i> , 2021 , 16, 1372-1376	4.5	2
26	Toxic Nephropathy Due to Drugs and Poisons. 2010 , 317-328		1
25	Masking and manipulation. <i>Handbook of Experimental Pharmacology</i> , 2010 , 327-54	3.2	7
24	Postoperative Intravascular Fluid Therapy. 2010 , 2783-2803		1
23	Toxic Acute Renal Failure. 2009 , 168-172		2
22	Equivalent efficacy of hydroxyethyl starch 130/0.4 and human serum albumin: if nothing is the same, is everything different? The importance of context in clinical trials and statistics. <i>Anesthesiology</i> , 2013 , 119, 1249-54	4.3	12
21	Assessment of hemodynamic efficacy and safety of 6% hydroxyethylstarch 130/0.4 vs. 0.9% NaCl fluid replacement in patients with severe sepsis: the CRYSTMAS study. <i>Critical Care</i> , 2012 , 16, R94	10.8	248
20	Choice of a Synthetic Colloid for Surgery. 158-167		
19	Coagulative Disturbances in Trauma. 2012 , 111-124		
18	Clinical utility of intra-operative 6% hydroxyethyl starch (130 / 0.4) supplementation in hypoxic femur injury patients: a preliminary report of twenty cases. <i>Archives of Trauma Research</i> , 2012 , 1, 126-30		
17	Colloids for Sepsis: Effectiveness and Cost Issues. 2013 , 515-526		
16	The Third Generation 6%HES130/0.4/9 (Voluven [®]). <i>The Journal of Japan Society for Clinical Anesthesia</i> , 2014 , 34, 788-795	0	
15	A Comparative Retrospective Analysis of Mortality, Renal Dysfunction, and Incidence of Bleeding in Patients Receiving Hydroxyethyl Starch 130/0.4 (HES 130/0.4) or Albumin. <i>Open Journal of Thoracic Surgery</i> , 2014 , 04, 66-73	0	
14	Intravenous Fluids and Coagulation. 2015 , 131-150		

- 13 Hydroxyethyl Starch in Critically Ill Patients. **2015**, 73-78
- 12 Anaphylactic reaction with hydroxyethyl starch during anesthesia - A case report. *Anesthesia and Pain Medicine*, **2019**, 14, 412-415 0.3 0
- 11 The Dilemma for Using Hydroxyethyl Starch Solutions for Perioperative Fluid Management. **2020**, 271-294
- 10 Editorial: Fluid Therapy in Animals: Physiologic Principles and Contemporary Fluid Resuscitation Considerations. *Frontiers in Veterinary Science*, **2021**, 8, 744080 3.1
- 9 Fluid Management in Sepsis: Colloids or Crystalloids?. **2007**, 563-573
- 8 Renal outcomes and mortality following hydroxyethyl starch resuscitation of critically ill patients: systematic review and meta-analysis of randomized trials: ATTENTION: The analysis and conclusions of this article are being revised by the authors. This is due to the journal *Anesthesia and Analgesia* retracting a paper by Dr. Ibrahim Siddiqui, author of one of the studies analyzed in this article. **2022**, 70, 1000000 17
- 7 The effect of HES130/0.4 sodium chloride solution on kidney function following early fluid resuscitation in shock patients.. *Translational Andrology and Urology*, **2021**, 10, 4288-4297 2.3
- 6 Topological Study of Some Covid-19 Drugs by Using Temperature Indices. *Polycyclic Aromatic Compounds*, 1-12 1.3
- 5 Systematic investigations on the biophysical complexation of hydroxyethyl starch 200/0.5 with human serum albumin. *Journal of Inclusion Phenomena and Macrocyclic Chemistry*, 1.7
- 4 Plasma Substitutes. **2022**, 185-195 0
- 3 Polymersome-based protein drug delivery *Quo vadis?*. 0
- 2 The synthesis of hydroxyethyl starch 200/0.5-loaded albumin nanoparticles: biocompatibility and interaction mechanism. 0
- 1 Doxorubicin and erastin co-loaded hydroxyethyl starch-polycaprolactone nanoparticles for synergistic cancer therapy. **2023**, 356, 256-271 0