

Injection of Cultured Cells with a ROCK Inhibitor for Bu

New England Journal of Medicine

378, 995-1003

DOI: [10.1056/nejmoa1712770](https://doi.org/10.1056/nejmoa1712770)

Citation Report

#	ARTICLE	IF	CITATIONS
1	A New Frontier in Curing Corneal Blindness. <i>New England Journal of Medicine</i> , 2018, 378, 1057-1058.	13.9	10
3	Stem Cell Therapy and Regenerative Medicine in the Cornea. <i>Fundamental Biomedical Technologies</i> , 2018, , 149-171.	0.2	0
4	Development of Cell Analysis Software to Evaluate Fibroblastic Changes in Cultivated Corneal Endothelial Cells for Quality Control. <i>Cornea</i> , 2018, 37, 1572-1578.	0.9	1
5	Corneal endothelial cell dysfunction: etiologies and management. <i>Therapeutic Advances in Ophthalmology</i> , 2018, 10, 251584141881580.	0.8	80
6	Corneal cell therapy: with iPSCs, it is no more a far-sight. <i>Stem Cell Research and Therapy</i> , 2018, 9, 287.	2.4	51
7	Assessing the Effects of Ripasudil, a Novel Rho Kinase Inhibitor, on Human Corneal Endothelial Cell Health. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2018, 34, 692-699.	0.6	13
8	Cultured Cells and ROCK Inhibitor for Bullous Keratopathy. <i>New England Journal of Medicine</i> , 2018, 379, 1184-1185.	13.9	14
9	From DMEK to Corneal Endothelial Cell Therapy: Technical and Biological Aspects. <i>Journal of Ophthalmology</i> , 2018, 2018, 1-8.	0.6	15
10	The Ongoing Puzzle of the Biological Behavior of Cornea Guttatae. <i>JAMA Ophthalmology</i> , 2018, 136, 893.	1.4	4
11	Regenerating Eye Tissues to Preserve and Restore Vision. <i>Cell Stem Cell</i> , 2018, 22, 834-849.	5.2	131
12	Mini-Sheet Injection for Cultured Corneal Endothelial Transplantation. <i>Tissue Engineering - Part C: Methods</i> , 2018, 24, 474-479.	1.1	14
13	Effect of a p38 Mitogen-Activated Protein Kinase Inhibitor on Corneal Endothelial Cell Proliferation. , 2018, 59, 4218.		21
14	Corneal Edema and Opacification Preferred Practice Pattern®. <i>Ophthalmology</i> , 2019, 126, P216-P285.	2.5	20
15	Increasing Donor Endothelial Cell Pool by Culturing Cells from Discarded Pieces of Human Donor Corneas for Regenerative Treatments. <i>Journal of Ophthalmology</i> , 2019, 2019, 1-8.	0.6	12
16	A physical biomarker of the quality of cultured corneal endothelial cells and of the long-term prognosis of corneal restoration in patients. <i>Nature Biomedical Engineering</i> , 2019, 3, 953-960.	11.6	13
17	Targeting non-muscle myosin II promotes corneal endothelial migration through regulating lamellipodial dynamics. <i>Journal of Molecular Medicine</i> , 2019, 97, 1345-1357.	1.7	6
18	Immune reactions after modern lamellar (DALK, DSAEK, DMEK) versus conventional penetrating corneal transplantation. <i>Progress in Retinal and Eye Research</i> , 2019, 73, 100768.	7.3	173
19	Feasibility of a cryopreservation of cultured human corneal endothelial cells. <i>PLoS ONE</i> , 2019, 14, e0218431.	1.1	11

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20	In Vivo Fluorescence Visualization of Anterior Chamber Injected Human Corneal Endothelial Cells Labeled With Quantum Dots. , 2019, 60, 4008.		13
21	Passaging capability of human corneal endothelial cells derived from old donors with and without accelerating cell attachment. Experimental Eye Research, 2019, 189, 107814.	1.2	23
22	Review: corneal endothelial cell derivation methods from ES/iPS cells. Inflammation and Regeneration, 2019, 39, 19.	1.5	20
23	Poly-Îµ-lysine based hydrogels as synthetic substrates for the expansion of corneal endothelial cells for transplantation. Journal of Materials Science: Materials in Medicine, 2019, 30, 102.	1.7	41
24	Homeostasis of SLC4A11 protein is mediated by endoplasmic reticulum-associated degradation. Experimental Eye Research, 2019, 188, 107782.	1.2	6
25	Experimental models of corneal endothelial cell therapy and translational challenges to clinical practice. Experimental Eye Research, 2019, 188, 107794.	1.2	13
26	Fuchs Endothelial Corneal Dystrophy: Clinical, Genetic, Pathophysiologic, and Therapeutic Aspects. Annual Review of Vision Science, 2019, 5, 151-175.	2.3	75
27	New Insights Into Corneal Endothelial Regeneration. Current Ophthalmology Reports, 2019, 7, 37-44.	0.5	3
28	Current Trends and Future Perspective of Mesenchymal Stem Cells and Exosomes in Corneal Diseases. International Journal of Molecular Sciences, 2019, 20, 2853.	1.8	68
29	Corneal injury: Clinical and molecular aspects. Experimental Eye Research, 2019, 186, 107709.	1.2	62
30	Magnetic Human Corneal Endothelial Cell Transplant: Delivery, Retention, and Short-Term Efficacy. , 2019, 60, 2438.		27
31	Corneal bioprinting utilizing collagenâ€based bioinks and primary human keratocytes. Journal of Biomedical Materials Research - Part A, 2019, 107, 1945-1953.	2.1	98
32	Nicotinamide inhibits corneal endothelial mesenchymal transition and accelerates wound healing. Experimental Eye Research, 2019, 184, 227-233.	1.2	28
33	Functional Evaluation of Two Corneal Endothelial Cell-Based Therapies: Tissue-Engineered Construct and Cell Injection. Scientific Reports, 2019, 9, 6087.	1.6	55
34	Rho kinase inhibitorsâ€”a review on the physiology and clinical use in Ophthalmology. Graefe's Archive for Clinical and Experimental Ophthalmology, 2019, 257, 1101-1117.	1.0	25
35	3D in vitro model for human corneal endothelial cell maturation. Experimental Eye Research, 2019, 184, 183-191.	1.2	10
36	Corneal Tissue Engineering. Essentials in Ophthalmology, 2019, , 23-37.	0.0	4
37	Cell Based Therapy for Corneal Endothelial Regeneration. Essentials in Ophthalmology, 2019, , 455-462.	0.0	2

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39	The Rapid Transformation of Transplantation for Corneal Endothelial Diseases: An Evolution From Penetrating to Lamellar to Cellular Transplants. <i>Asia-Pacific Journal of Ophthalmology</i> , 2019, 8, 441-447.	1.3	8
40	A Case Report Illustrating the Postoperative Course of Descemetorhexis without Endothelial Keratoplasty with Topical Netarsudil Therapy. <i>Case Reports in Ophthalmological Medicine</i> , 2019, 2019, 1-7.	0.3	8
41	Corneal Endothelial Cells Over the Past Decade: Are We Missing the Mark(er)? <i>Translational Vision Science and Technology</i> , 2019, 8, 13.	1.1	44
42	Culturing Discarded Peripheral Human Corneal Endothelial Cells From the Tissues Deemed for Preloaded DMEK Transplants. <i>Cornea</i> , 2019, 38, 1175-1181.	0.9	20
43	Topical Rho-Associated Kinase Inhibitor, Y27632, Accelerates Corneal Endothelial Regeneration in a Canine Cryoinjury Model. <i>Cornea</i> , 2019, 38, 352-359.	0.9	22
44	The future of keratoplasty. <i>Current Opinion in Ophthalmology</i> , 2019, 30, 286-291.	1.3	28
45	High-risk Corneal Transplantation: Recent Developments and Future Possibilities. <i>Transplantation</i> , 2019, 103, 2468-2478.	0.5	75
46	A prognostic biomarker of corneal repair. <i>Nature Biomedical Engineering</i> , 2019, 3, 945-946.	11.6	2
47	1. Pluripotent stem-cell-derived corneal cells. , 2019, , 1-13.		0
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49	STAT3 signaling maintains homeostasis through a barrier function and cell survival in corneal endothelial cells. <i>Experimental Eye Research</i> , 2019, 179, 132-141.	1.2	10
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51	Evaluation of the Suitability of Biocompatible Carriers as Artificial Transplants Using Cultured Porcine Corneal Endothelial Cells. <i>Current Eye Research</i> , 2019, 44, 243-249.	0.7	19
52	Rabbit models of human diseases for diagnostics and therapeutics development. <i>Developmental and Comparative Immunology</i> , 2019, 92, 99-104.	1.0	17
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56	Fuchs endothelial corneal dystrophy and corneal endothelial diseases: East meets West. <i>Eye</i> , 2020, 34, 427-441.	1.1	20

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58	Current Concepts in Ophthalmology. , 2020, , .		1
59	Regeneration of the Corneal Endothelium. Current Eye Research, 2020, 45, 303-312.	0.7	25
60	Rho-kinase ROCK inhibitors reduce oligomeric tau protein. Neurobiology of Aging, 2020, 89, 41-54.	1.5	43
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62	12. Endothelial pump and barrier function. Experimental Eye Research, 2020, 198, 108068.	1.2	18
63	The progress in corneal translational medicine. Biomaterials Science, 2020, 8, 6469-6504.	2.6	20
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71	The influence of preparation and storage time on endothelial cells in Quarterâ€“Descemet membrane endothelial keratoplasty (Quarterâ€“DMEK) grafts in vitro. Cell and Tissue Banking, 2020, 21, 615-623.	0.5	0
72	ROCK inhibitor combined with Ca ²⁺ controls the myosin II activation and optimizes human nasal epithelial cell sheets. Scientific Reports, 2020, 10, 16853.	1.6	5
73	Update on the Surgical Management of Fuchs Endothelial Corneal Dystrophy. Ophthalmology and Therapy, 2020, 9, 757-765.	1.0	18
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81	Phenotypic and functional characterization of corneal endothelial cells during in vitro expansion. <i>Scientific Reports</i> , 2020, 10, 7402.	1.6	41
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85	A Novel Approach of Harvesting Viable Single Cells from Donor Corneal Endothelium for Cell-Injection Therapy. <i>Cells</i> , 2020, 9, 1428.	1.8	14
86	Conserving, restoring and replacing the human corneal endothelium in 2020: is a clear future here today?. <i>Clinical and Experimental Ophthalmology</i> , 2020, 48, 155-157.	1.3	1
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89	Designer Descemet Membranes Containing PDLLA and Functionalized Gelatins as Corneal Endothelial Scaffold. <i>Advanced Healthcare Materials</i> , 2020, 9, e2000760.	3.9	25
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92	Prospects and Challenges of Translational Corneal Bioprinting. <i>Bioengineering</i> , 2020, 7, 71.	1.6	37
93	Evaluation of reconstructed human corneal endothelium sheets made with porcine Descemet's membrane in vitro and in vivo. <i>Experimental Eye Research</i> , 2020, 197, 108125.	1.2	9

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94	A Patient With Glaucoma With Corneal Edema. <i>JAMA Ophthalmology</i> , 2020, 138, 917.	1.4	6
95	Exploring the Mesenchymal Stem Cell Secretome for Corneal Endothelial Proliferation. <i>Stem Cells International</i> , 2020, 2020, 1-10.	1.2	6
96	Variable Responses to Corneal Grafts: Insights from Immunology and Systems Biology. <i>Journal of Clinical Medicine</i> , 2020, 9, 586.	1.0	20
97	Optimisation of Storage and Transportation Conditions of Cultured Corneal Endothelial Cells for Cell Replacement Therapy. <i>Scientific Reports</i> , 2020, 10, 1681.	1.6	16
98	Metabolites Interrogation in Cell Fate Decision of Cultured Human Corneal Endothelial Cells. , 2020, 61, 10.		18
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105	Fuchs endothelial corneal dystrophy: The vicious cycle of Fuchs pathogenesis. <i>Progress in Retinal and Eye Research</i> , 2021, 80, 100863.	7.3	92
106	TCF4-mediated Fuchs endothelial corneal dystrophy: Insights into a common trinucleotide repeat-associated disease. <i>Progress in Retinal and Eye Research</i> , 2021, 81, 100883.	7.3	40
107	Evolution of therapies for the corneal endothelium: past, present and future approaches. <i>British Journal of Ophthalmology</i> , 2021, 105, 454-467.	2.1	50
108	Corneal endothelial dysfunction: Evolving understanding and treatment options. <i>Progress in Retinal and Eye Research</i> , 2021, 82, 100904.	7.3	86
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116	Five-Year Follow-up of First 11 Patients Undergoing Injection of Cultured Corneal Endothelial Cells for Corneal Endothelial Failure. <i>Ophthalmology</i> , 2021, 128, 504-514.	2.5	76
117	Descemet Membrane Endothelial Keratoplasty and Bowman Layer Transplantation: An Anatomic Review and Historical Survey. <i>Ophthalmic Research</i> , 2021, 64, 532-553.	1.0	3
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126	Long-Term Observation and Sequencing Analysis of SKPs-Derived Corneal Endothelial Cell-Like Cells for Treating Corneal Endothelial Dysfunction. <i>Cell Transplantation</i> , 2021, 30, 096368972110178.	1.2	6
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128	Systematic review of clinical research on regenerative medicine for the cornea. <i>Japanese Journal of Ophthalmology</i> , 2021, 65, 169-183.	0.9	9
129	Rho kinase (ROCK) inhibitors in the management of corneal endothelial disease. <i>Current Opinion in Ophthalmology</i> , 2021, 32, 268-274.	1.3	26

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130	A ROCK Inhibitor Promotes Graft Survival during Transplantation of iPSC-Cell-Derived Retinal Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3237.	1.8	8
132	Transplantation of human induced pluripotent stem cell-derived neural crest cells for corneal endothelial regeneration. <i>Stem Cell Research and Therapy</i> , 2021, 12, 214.	2.4	12
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139	Update on Corneal Transplant in 2021. <i>JAMA - Journal of the American Medical Association</i> , 2021, 325, 1886.	3.8	9
140	Potential of a novel scaffold composed of human platelet lysate and fibrin for human corneal endothelial cells. <i>Cell and Tissue Banking</i> , 2022, 23, 171-183.	0.5	3
141	Landmark study on Descemet stripping with endothelial keratoplasty: Where has it led us?. <i>Journal of Cataract and Refractive Surgery</i> , 2021, 47, 561-562.	0.7	3
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149	Potential Effect of Human Platelet Lysate on in vitro Expansion of Human Corneal Endothelial Cells Compared with Y-27632 ROCK Inhibitor. <i>Journal of Ophthalmic and Vision Research</i> , 2021, 16, 349-356.	0.7	4
150	Impact of plasma 5-hydroxyindoleacetic acid, a serotonin metabolite, on clinical outcome in septic shock, and its effect on vascular permeability. <i>Scientific Reports</i> , 2021, 11, 14146.	1.6	3
151	Randomized, Double-Masked, Pilot Study of Netarsudil 0.02% Ophthalmic Solution for Treatment of Corneal Edema in Fuchs Dystrophy. <i>American Journal of Ophthalmology</i> , 2021, 227, 100-105.	1.7	25
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155	Descemet stripping only in Fuchs's endothelial dystrophy without use of topical Rho-kinase inhibitors: 5-year follow-up. <i>Canadian Journal of Ophthalmology</i> , 2022, 57, 402-407.	0.4	11
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159	Advances in Endothelial Keratoplasty Surgery. <i>Advances in Ophthalmology and Optometry</i> , 2021, 6, 289-305.	0.3	0
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161	Primary cell culture of canine corneal endothelial cells. <i>Veterinary Ophthalmology</i> , 2021, 24, 447-454.	0.6	0
162	Comparison of the rabbit and human corneal endothelial proteomes regarding proliferative capacity. <i>Experimental Eye Research</i> , 2021, 209, 108629.	1.2	4
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164	Challenges in corneal endothelial cell culture. <i>Regenerative Medicine</i> , 2021, 16, 871-891.	0.8	17
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