

# Performance of Tear Osmolarity Compared to Previous Diseases

Current Eye Research

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Dry eye diagnosis and management. Expert Review of Ophthalmology, 2011, 6, 67-79.	0.3	14
2	Hyperosmolar Stress Upregulates HLA-DR Expression in Human Conjunctival Epithelium in Dry Eye Patients and In Vitro Models. , 2011, 52, 5488.		55
3	Tear Osmolarity in the Diagnosis and Management of Dry Eye Disease. American Journal of Ophthalmology, 2011, 151, 792-798.e1.	1.7	512
4	A Multicenter Pilot Evaluation of the National Institutes of Health Chronic Graft-versus-Host Disease (cGVHD) Therapeutic Response Measures: Feasibility, Interrater Reliability, and Minimum Detectable Change. Biology of Blood and Marrow Transplantation, 2011, 17, 1619-1629.	2.0	61
5	Challenges in the clinical measurement of ocular surface disease in glaucoma patients. Clinical Ophthalmology, 2011, 5, 1575.	0.9	29
6	Increased Tear Osmolarity in Patients with Severe Cases of Conjunctivochalasis. Current Eye Research, 2012, 37, 80-84.	0.7	15
7	Dry Eye Symptoms in Patients after Eyelid Reconstruction with Full-Thickness Eyelid Defects: Using the Tomey TG-1000 Thermographer. Ophthalmic Research, 2012, 48, 192-198.	1.0	22
8	Katarakt Cerrahisi Sonrası Gözyaş Osmolaritesi Değişiklikleri. Türk Oftalmoloji Dergisi, 2012, 42, 35-37.		1
9	Barriers to clinical uptake of tear osmolarity measurements. British Journal of Ophthalmology, 2012, 96, 341-344.	2.1	79
10	Clinical Utility of Objective Tests for Dry Eye Disease. Cornea, 2012, 31, 1000-1008.	0.9	170
11	Diurnal Variation of the Tear Osmolarity in Normal Subjects Measured by a New Microchip System. European Journal of Ophthalmology, 2012, 22, 1-4.	0.7	14
12	Tear Film Osmolarity in Patients Treated for Glaucoma or Ocular Hypertension. Cornea, 2012, 31, 994-999.	0.9	66
13	Evaluation of Tear Osmolarity in Non-Sjögren and Sjögren Syndrome Dry Eye Patients With the TearLab System. Cornea, 2012, 31, 867-871.	0.9	89
14	Lid Margins. Optometry and Vision Science, 2012, 89, 1443-1449.	0.6	35
15	Tear osmolarity in unilateral pseudoexfoliation syndrome. Australasian journal of optometry, The, 2012, 95, 506-509.	0.6	23
16	Tear Osmolarity in Premature Infants. Journal of Pediatric Ophthalmology and Strabismus, 2012, 49, 348-352.	0.3	0
17	Evaluation of Dry Eye. Survey of Ophthalmology, 2012, 57, 293-316.	1.7	131
18	Diagnostic performance of labial minor salivary gland flow measurement for assessment of xerostomia. Archives of Oral Biology, 2012, 57, 1121-1126.	0.8	12

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19	Comparison of dry-eye disease severity after laser in situ keratomileusis and laser-assisted subepithelial keratectomy. <i>Journal of Cataract and Refractive Surgery</i> , 2012, 38, 1058-1064.	0.7	29
20	Comparison of tear osmolarity and ocular comfort between daily disposable contact lenses: hilafilecon B hydrogel versus narafilcon A silicone hydrogel. <i>International Ophthalmology</i> , 2012, 32, 229-233.	0.6	31
21	Reproducibility and repeatability of the OcuSense TearLab <sup>®</sup> osmometer. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2012, 250, 1201-1205.	1.0	41
22	Fibre optics sensors in tear electrolyte analysis: Towards a novel point of care potassium sensor. <i>Contact Lens and Anterior Eye</i> , 2012, 35, 137-144.	0.8	19
23	Dry eye and its correlation to diabetes microvascular complications in people with type 2 diabetes mellitus. <i>Journal of Diabetes and Its Complications</i> , 2013, 27, 459-462.	1.2	79
24	TearLab <sup>®</sup> Osmolarity System for diagnosing dry eye. <i>Expert Review of Molecular Diagnostics</i> , 2013, 13, 119-129.	1.5	49
25	Role of Hyperosmolarity in the Pathogenesis and Management of Dry Eye Disease: Proceedings of the OCEAN Group Meeting. <i>Ocular Surface</i> , 2013, 11, 246-258.	2.2	359
26	Investigation of tear osmolarity in early rheumatoid arthritis: relation to disease activity. <i>Canadian Journal of Ophthalmology</i> , 2013, 48, 235-239.	0.4	8
27	Tear Osmolarity and Ocular Surface Changes in Patient with Polycystic Ovary Syndrome. <i>Current Eye Research</i> , 2013, 38, 621-625.	0.7	23
28	Alterations in the Tear Proteome of Dry Eye Patients – A Matter of the Clinical Phenotype. , 2013, 54, 2385.		69
29	In Situ Osmometry. <i>Optometry and Vision Science</i> , 2013, 90, 359-365.	0.6	30
30	Effect of chronic anti-glaucoma medications and trabeculectomy on tear osmolarity. <i>Eye</i> , 2013, 27, 1142-1150.	1.1	50
31	Accuracy of two osmometers on standard samples: electrical impedance technique and freezing point depression technique. , 2013, , .		1
32	The TFOS International Workshop on Contact Lens Discomfort: Report of the Contact Lens Interactions With the Tear Film Subcommittee. , 2013, 54, TFOS123.		167
33	Kuru göz sendromlu hastalarda göz osmolarite ölçümünde schirmer testi ve göz kama zamanı ile ilişkisi. <i>Medical Journal of Bakirkoy</i> , 2013, , 73-77.	0.0	1
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35	Effects of Lubricating Agents with Different Osmolalities on Tear Osmolarity and Other Tear Function Tests in Patients with Dry Eye. <i>Current Eye Research</i> , 2013, 38, 1095-1103.	0.7	27
36	Intrasubject Tear Osmolarity Changes with Two Different Types of Eyedrops. <i>Optometry and Vision Science</i> , 2013, 90, 372-377.	0.6	15

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37	Tear Osmolarity and Dry Eye Symptoms in Women Using Oral Contraception and Contact Lenses. <i>Cornea</i> , 2013, 32, 423-428.	0.9	62
38	Evaluation of Tear Osmolarity in Non-Sjögren and Sjögren Syndrome Dry Eye Patients With the TearLab System. <i>Cornea</i> , 2013, 32, 379-381.	0.9	14
39	Tear Osmolarity in Sjögren Syndrome. <i>Cornea</i> , 2013, 32, 922-927.	0.9	42
40	Effects of Oral Mucolytics on Tear Film and Ocular Surface. <i>Cornea</i> , 2013, 32, 933-938.	0.9	6
41	Efficacy of Standardized and Quality-Controlled Cord Blood Serum Eye Drop Therapy in the Healing of Severe Corneal Epithelial Damage in Dry Eye. <i>Cornea</i> , 2013, 32, 412-418.	0.9	65
42	Assessment of Tear Osmolarity and Other Dry Eye Parameters in Post-LASIK Eyes. <i>Cornea</i> , 2013, 32, e142-e145.	0.9	26
43	Quantitative Analysis of Tear Film Fluorescence and Discomfort During Tear Film Instability and Thinning. , 2013, 54, 2645.		47
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48	Short-Time Exposure of Hyperosmolarity Triggers Interleukin-6 Expression in Corneal Epithelial Cells. <i>Cornea</i> , 2014, 33, 1342-1347.	0.9	31
49	Prospective, Multicenter, Clinical Evaluation of Point-of-Care Matrix Metalloproteinase-9 Test for Confirming Dry Eye Disease. <i>Cornea</i> , 2014, 33, 812-818.	0.9	83
50	Tear Osmolarity and Tear Film Parameters in Patients With Unilateral Pterygium. <i>Cornea</i> , 2014, 33, 1174-1178.	0.9	30
51	Correlation of Tear Osmolarity and Dry Eye Symptoms in Convention Attendees. <i>Optometry and Vision Science</i> , 2014, 91, 142-149.	0.6	22
52	Tear Osmolarity in Ocular Graft-Versus-Host Disease. <i>Cornea</i> , 2014, 33, 1252-1256.	0.9	30
53	Correlation between Tear Osmolarity and Tear Meniscus. <i>Optometry and Vision Science</i> , 2014, 91, 1419-1429.	0.6	19
54	Tear Film Osmolarity in Ocular Mucous Membrane Pemphigoid. <i>Cornea</i> , 2014, 33, 668-672.	0.9	9

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56	Effect of Religious Fasting on Tear Osmolarity and Ocular Surface. <i>Eye and Contact Lens</i> , 2014, 40, 239-242.	0.8	18
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58	Correlations between commonly used objective signs and symptoms for the diagnosis of dry eye disease: clinical implications. <i>Acta Ophthalmologica</i> , 2014, 92, 161-166.	0.6	280
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61	What is the Value of Incorporating Tear Osmolarity Measurement in Assessing Patient Response to Therapy in Dry Eye Disease?. <i>American Journal of Ophthalmology</i> , 2014, 157, 69-77.e2.	1.7	63
62	Changes in ocular factors according to depth variation and viewer age after watching a three-dimensional display. <i>British Journal of Ophthalmology</i> , 2014, 98, 684-690.	2.1	14
63	Image-guided evaluation and monitoring of treatment response in patients with dry eye disease. <i>Graefes's Archive for Clinical and Experimental Ophthalmology</i> , 2014, 252, 857-872.	1.0	26
64	Dry eye disease: A review of diagnostic approaches and treatments. <i>Saudi Journal of Ophthalmology</i> , 2014, 28, 173-181.	0.3	67
65	Comparison of Ocular Surface Disease Index and Tear Osmolarity as Markers of Ocular Surface Dysfunction in Video Terminal Display Workers. <i>American Journal of Ophthalmology</i> , 2014, 158, 41-48.e2.	1.7	45
66	Challenges in Using Signs and Symptoms to Evaluate New Biomarkers of Dry Eye Disease. <i>Ocular Surface</i> , 2014, 12, 2-9.	2.2	38
67	Dry eye disease in type 2 diabetes mellitus; comparison of the tear osmolarity test with other common diagnostic tests: a diagnostic accuracy study using STARD standard. <i>Journal of Diabetes and Metabolic Disorders</i> , 2015, 14, 39.	0.8	29
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69	Associations between signs and symptoms of dry eye disease: a systematic review. <i>Clinical Ophthalmology</i> , 2015, 9, 1719.	0.9	162
70	Tear film osmolarity and dry eye disease: a review of the literature. <i>Clinical Ophthalmology</i> , 2015, 9, 2039.	0.9	107
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74	Dynamics and function of the tear film in relation to the blink cycle. <i>Progress in Retinal and Eye Research</i> , 2015, 45, 132-164.	7.3	105
75	The Association Between Subjective and Objective Parameters for the Assessment of Dry-Eye Syndrome. <i>Investigative Ophthalmology and Visual Science</i> , 2015, 56, 1467-1472.	3.3	53
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80	The effect of antihypertensive therapy on dry eye disease. <i>Cutaneous and Ocular Toxicology</i> , 2015, 34, 117-123.	0.5	6
81	Lipid-polyethylene glycol based nano-ocular formulation of ketoconazole. <i>International Journal of Pharmaceutics</i> , 2015, 495, 276-289.	2.6	67
82	Structural and functional changes in corneal innervation after laser in situ keratomileusis and their relationship with dry eye. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2015, 253, 2029-2039.	1.0	66
83	Variability of Tear Osmolarity in Patients With Dry Eye. <i>JAMA Ophthalmology</i> , 2015, 133, 662.	1.4	75
84	Effects of osmoprotective eye drops on tear osmolarity in contact lens wearers. <i>Canadian Journal of Ophthalmology</i> , 2015, 50, 283-289.	0.4	13
85	Effect of Glaucoma Medication in Tear Film Osmolarity of Patients Without Symptoms of Ocular Discomfort. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2015, 31, 330-334.	0.6	3
86	Tear Osmolarity and Tear Function Changes in Patients with Acromegaly. <i>Current Eye Research</i> , 2015, 40, 863-869.	0.7	5
87	Dry eye disease in patients with metabolic syndrome. <i>Journal of King Abdulaziz University, Islamic Economics</i> , 2016, 37, 1334-1338.	0.5	9
88	Changes in Ocular Surface after Hematopoietic Stem Cell Transplantation. <i>Journal of Korean Ophthalmological Society</i> , 2016, 57, 1706.	0.0	1
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90	The Effects of Intense Pulsed Light on Tear Osmolarity in Dry Eye Disease. <i>Journal of Clinical &amp; Experimental Ophthalmology</i> , 2016, 07, .	0.1	1

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95	Novel Diagnostics and Therapeutics in Dry Eye Disease. <i>Advances in Ophthalmology and Optometry</i> , 2016, 1, 1-20.	0.3	2
97	Effects of topical acne treatment on the ocular surface in patients with acne vulgaris. <i>Contact Lens and Anterior Eye</i> , 2016, 39, 431-434.	0.8	17
98	Tear film assessments for the diagnosis of dry eye. <i>Current Opinion in Allergy and Clinical Immunology</i> , 2016, 16, 487-491.	1.1	14
99	In pursuit of objective dry eye screening clinical techniques. <i>Eye and Vision (London, England)</i> , 2016, 3, 1.	1.4	38
100	Tear Osmolarity and Tear Film Parameters in Patients With Ocular Rosacea. <i>Eye and Contact Lens</i> , 2016, 42, 347-349.	0.8	9
101	Lack of Agreement among Electrical Impedance and Freezing-Point Osmometers. <i>Optometry and Vision Science</i> , 2016, 93, 482-487.	0.6	10
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104	Epidemiology of dry eye disease in Africa: The sparse information, gaps and opportunities. <i>Ocular Surface</i> , 2017, 15, 159-168.	2.2	17
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106	Paper-based microfluidic system for tear electrolyte analysis. <i>Lab on A Chip</i> , 2017, 17, 1137-1148.	3.1	111
107	A link between tear breakup and symptoms of ocular irritation. <i>Ocular Surface</i> , 2017, 15, 696-703.	2.2	15
108	Sjogren's syndrome from the perspective of ophthalmology. <i>Clinical Immunology</i> , 2017, 182, 55-61.	1.4	45
109	Tear osmolarity and subjective dry eye symptoms in migraine sufferers. <i>Canadian Journal of Ophthalmology</i> , 2017, 52, 513-518.	0.4	9

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111	Comparison of the clinical efficacy of preserved and preservative-free hydroxypropyl methylcellulose-dextran-containing eyedrops. <i>Journal of Optometry</i> , 2017, 10, 258-264.	0.7	14
112	Hyperosmolarity and Benzalkonium Chloride Differently Stimulate Inflammatory Markers in Conjunctiva-Derived Epithelial Cells in vitro. <i>Ophthalmic Research</i> , 2017, 58, 40-48.	1.0	27
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114	Impact of Smoking on the Ocular Surface, Tear Function, and Tear Osmolarity. <i>Current Eye Research</i> , 2017, 42, 1585-1589.	0.7	20
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118	Pilot Study of Corneal Sensitivity and Its Association in Keratoconus. <i>Cornea</i> , 2017, 36, 163-168.	0.9	10
119	Physical forces modulate cell differentiation and proliferation processes. <i>Journal of Cellular and Molecular Medicine</i> , 2018, 22, 738-745.	1.6	28
120	Assessment of tear film osmolarity using the TearLab osmometer in normal dogs and dogs with keratoconjunctivitis sicca. <i>Veterinary Ophthalmology</i> , 2017, 20, 357-364.	0.6	26
121	Assessment of dry eye in a GVHD murine model: Approximation through tear osmolarity measurement. <i>Experimental Eye Research</i> , 2017, 154, 64-69.	1.2	11
122	Increased Tear Film Osmolarity in Systemic Lupus Erythematosus. <i>Seminars in Ophthalmology</i> , 2017, 32, 582-587.	0.8	5
123	The effect of intravitreal injections on dry eye, and proposed management strategies. <i>Clinical Ophthalmology</i> , 2017, Volume 11, 1491-1497.	0.9	13
124	Analysis of Th17-associated cytokines and clinical correlations in patients with dry eye disease. <i>PLoS ONE</i> , 2017, 12, e0173301.	1.1	68
125	Prospective evaluation of intense pulsed light and meibomian gland expression efficacy on relieving signs and symptoms of dry eye disease due to meibomian gland dysfunction. <i>Clinical Ophthalmology</i> , 2017, Volume 11, 817-827.	0.9	99
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129	Randomized, masked, in vitro comparison of three commercially available tear film osmometers. Clinical Ophthalmology, 2017, Volume 11, 243-248.	0.9	28
130	Randomized comparison of in vivo performance of two point-of-care tear film osmometers. Clinical Ophthalmology, 2017, Volume 11, 945-950.	0.9	28
131	Clinical Significance of Tear Film Osmolarity for Non-Sjögren Dry Eye Diagnosis. Journal of Korean Ophthalmological Society, 2017, 58, 640.	0.0	1
132	Correlations between Tear Osmolarity and Ocular and Systemic Parameters in Primary Sjögren's Syndrome. Journal of Korean Ophthalmological Society, 2017, 58, 903.	0.0	5
133	Variability of Tear Osmolarity Measurements With a Point-of-Care System in Healthy Subjectsâ€”Systematic Review. Cornea, 2018, 37, 938-945.	0.9	21
134	On tear film breakup (TBU): dynamics and imaging. Mathematical Medicine and Biology, 2018, 35, 145-180.	0.8	17
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142	Diagnosis and Management of Ocular Involvement in Sjögrenâ€™s Syndrome. , 2018, , 61-79.		0
143	Comparison of Osmolarity of Various Artificial Tears Products Commercially Available in South Korea. Journal of Korean Ophthalmological Society, 2018, 59, 117.	0.0	3
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145	Computed flow and fluorescence over the ocular surface. Mathematical Medicine and Biology, 2018, 35, i51-i85.	0.8	3

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155	Ocular Clinical Signs and Diagnostic Tests Most Compatible With Keratoconjunctivitis Sicca: A Latent Class Approach. Cornea, 2020, 39, 1013-1016.	0.9	17
156	<p></p>Repeatability of OCT-Based versus Scheimpflug- and Reflection-Based Keratometry in Patients with Hyperosmolar and Normal Tear Film</p>. Clinical Ophthalmology, 2020, Volume 14, 3991-4003.	0.9	15
157	Dry Eye in Systemic Sclerosis Patients: Novel Methods to Monitor Disease Activity. Diagnostics, 2020, 10, 404.	1.3	5
158	Parameter Estimation for Evaporation-Driven Tear Film Thinning. Bulletin of Mathematical Biology, 2020, 82, 71.	0.9	6
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162	Lipo-PEG nano-ocular formulation successfully encapsulates hydrophilic fluconazole and traverses corneal and non-corneal path to reach posterior eye segment. Journal of Drug Targeting, 2021, 29, 631-650.	2.1	12
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