

# Empagliflozin and Dapagliflozin Reduce ROS Generation Tumor Necrosis Factor $\alpha$ -Stimulated Human Coronary

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Novel Anti-inflammatory Effects of Canagliflozin Involving Hexokinase II in Lipopolysaccharide-Stimulated Human Coronary Artery Endothelial Cells. <i>Cardiovascular Drugs and Therapy</i> , 2021, 35, 1083-1094.	1.3	44
2	The sodium-glucose cotransporter-2 (SGLT2) inhibitors synergize with nitric oxide and prostacyclin to reduce human platelet activation. <i>Biochemical Pharmacology</i> , 2020, 182, 114276.	2.0	19
3	Effect of Sodium-Glucose Cotransporter-2 Inhibitors on Endothelial Function: A Systematic Review of Preclinical Studies. <i>Diabetes Therapy</i> , 2020, 11, 1947-1963.	1.2	55
4	Repurposing Antidiabetic Drugs for Cardiovascular Disease. <i>Frontiers in Physiology</i> , 2020, 11, 568632.	1.3	25
5	The Impact of Antidiabetic Therapies on Diastolic Dysfunction and Diabetic Cardiomyopathy. <i>Frontiers in Physiology</i> , 2020, 11, 603247.	1.3	11
6	Molecular Mechanisms in Early Diabetic Kidney Disease: Glomerular Endothelial Cell Dysfunction. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9456.	1.8	61
7	&lt;p&gt;SGLT2 Inhibitors: A Novel Player in the Treatment and Prevention of Diabetic Cardiomyopathy&lt;/p&gt;. <i>Drug Design, Development and Therapy</i> , 2020, Volume 14, 4775-4788.	2.0	32
8	Effects of the SGLT2 inhibitor dapagliflozin on proteinuria in non-diabetic patients with chronic kidney disease (DIAMOND): a randomised, double-blind, crossover trial. <i>Lancet Diabetes and Endocrinology</i> , 2020, 8, 582-593.	5.5	155
9	Mechanisms of Cardiovascular Benefits of Sodium Glucose Co-Transporter 2 (SGLT2) Inhibitors. <i>JACC Basic To Translational Science</i> , 2020, 5, 632-644.	1.9	419
10	SGLT2 inhibitors reduce infarct size in reperfused ischemic heart and improve cardiac function during ischemic episodes in preclinical models. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165770.	1.8	62
11	CaMKII and GLUT1 in heart failure and the role of gliflozins. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165729.	1.8	14
12	No Cytotoxic and Inflammatory Effects of Empagliflozin and Dapagliflozin on Primary Renal Proximal Tubular Epithelial Cells under Diabetic Conditions In Vitro. <i>International Journal of Molecular Sciences</i> , 2020, 21, 391.	1.8	10
13	The SGLT2 inhibitor Empagliflozin attenuates interleukin-17A-induced human aortic smooth muscle cell proliferation and migration by targeting TRAF3IP2/ROS/NLRP3/Caspase-1-dependent IL-1 $\beta$ and IL-18 secretion. <i>Cellular Signalling</i> , 2021, 77, 109825.	1.7	54
14	Impact of sodium glucose cotransporter 2 (SGLT2) inhibitors on atherosclerosis: from pharmacology to pre-clinical and clinical therapeutics. <i>Theranostics</i> , 2021, 11, 4502-4515.	4.6	61
15	The Role of SGLT2 Inhibitors in Vascular Aging. , 2021, 12, 1323.		22
16	Moxibustion Improves Chronic Heart Failure by Inhibiting Autophagy and Inflammation via Upregulation of mTOR Expression. <i>Evidence-based Complementary and Alternative Medicine</i> , 2021, 2021, 1-12.	0.5	4
17	Role of Canagliflozin on function of CD34+ve endothelial progenitor cells (EPC) in patients with type 2 diabetes. <i>Cardiovascular Diabetology</i> , 2021, 20, 44.	2.7	26
18	Endothelial response to glucose: dysfunction, metabolism, and transport. <i>Biochemical Society Transactions</i> , 2021, 49, 313-325.	1.6	37

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19	Diabetes pathogenesis and management: the endothelium comes of age. <i>Journal of Molecular Cell Biology</i> , 2021, 13, 500-512.	1.5	21
20	Empagliflozin Disrupts a Tnfrsf12a-Mediated Feed Forward Loop That Promotes Left Ventricular Hypertrophy. <i>Cardiovascular Drugs and Therapy</i> , 2022, 36, 619-632.	1.3	12
21	Empagliflozin Effects on Pulmonary Artery Pressure in Patients With Heart Failure. <i>Circulation</i> , 2021, 143, 1673-1686.	1.6	129
22	Effects of Hyperglycemia and Diabetes Mellitus on Coagulation and Hemostasis. <i>Journal of Clinical Medicine</i> , 2021, 10, 2419.	1.0	40
23	Dapagliflozin, an SGLT2 inhibitor, ameliorates acetic acid-induced colitis in rats by targeting NF $\kappa$ B/AMPK/NLRP3 axis. <i>Inflammopharmacology</i> , 2021, 29, 1169-1185.	1.9	32
24	Proposed mechanisms of systemic cardiovascular action of gliflosins. <i>Reviews on Clinical Pharmacology and Drug Therapy</i> , 2021, 19, 5-22.	0.2	0
25	Hypertension: Current trends and future perspectives. <i>British Journal of Clinical Pharmacology</i> , 2021, 87, 3721-3736.	1.1	18
26	Empagliflozin restores chronic kidney disease-induced impairment of endothelial regulation of cardiomyocyte relaxation and contraction. <i>Kidney International</i> , 2021, 99, 1088-1101.	2.6	37
27	SGLT2 inhibitors and the cardiac Na <sup>+</sup> /H <sup>+</sup> exchanger-1: the plot thickens. <i>Cardiovascular Research</i> , 2021, 117, 2702-2704.	1.8	16
28	Endothelial Dysfunction in Atherosclerotic Cardiovascular Diseases and Beyond: From Mechanism to Pharmacotherapies. <i>Pharmacological Reviews</i> , 2021, 73, 924-967.	7.1	359
29	Sodium Glucose Co-Transporter 2 Inhibitors Ameliorate Endothelium Barrier Dysfunction Induced by Cyclic Stretch through Inhibition of Reactive Oxygen Species. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6044.	1.8	37
30	Role of Glucose-Lowering Medications in Erectile Dysfunction. <i>Journal of Clinical Medicine</i> , 2021, 10, 2501.	1.0	9
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32	The Potential Roles of Osmotic and Nonosmotic Sodium Handling in Mediating the Effects of Sodium-Glucose Cotransporter 2 Inhibitors on Heart Failure. <i>Journal of Cardiac Failure</i> , 2021, 27, 1447-1455.	0.7	14
33	Sodium-Glucose Cotransporter-2 Inhibitors in Vascular Biology: Cellular and Molecular Mechanisms. <i>Cardiovascular Drugs and Therapy</i> , 2021, 35, 1253-1267.	1.3	8
34	A Microfluidic Model Artery for Studying the Mechanobiology of Endothelial Cells. <i>Advanced Healthcare Materials</i> , 2021, 10, e2100508.	3.9	1
35	The glomerular filtration barrier: a structural target for novel kidney therapies. <i>Nature Reviews Drug Discovery</i> , 2021, 20, 770-788.	21.5	86
36	Vascular and metabolic effects of SGLT2i and GLP-1 in heart failure patients. <i>Heart Failure Reviews</i> , 2023, 28, 733-744.	1.7	19

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37	Cardiovascular effects of non-insulin glucose-lowering agents: a comprehensive review of trial evidence and potential cardioprotective mechanisms. <i>Cardiovascular Research</i> , 2022, 118, 2231-2252.	1.8	23
38	Endothelial function and dysfunction: Impact of sodium-glucose cotransporter 2 inhibitors. , 2021, 224, 107832.		26
39	Effects of Sodium-Glucose Co-Transporter 2 Inhibitors on Vascular Cell Function and Arterial Remodeling. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8786.	1.8	48
40	Potential Therapeutic Benefits of Sodium-Glucose Cotransporter 2 Inhibitors in the Context of Ischemic Heart Failure: A State-of-the-Art Review. <i>Cardiovascular and Hematological Agents in Medicinal Chemistry</i> , 2022, 20, 90-102.	0.4	3
41	Cardiovascular Benefits from Gliflozins: Effects on Endothelial Function. <i>Biomedicines</i> , 2021, 9, 1356.	1.4	45
42	Empagliflozin maintains capillarization and improves cardiac function in a murine model of left ventricular pressure overload. <i>Scientific Reports</i> , 2021, 11, 18384.	1.6	18
43	Chronic exposure to tramadol induces cardiac inflammation and endothelial dysfunction in mice. <i>Scientific Reports</i> , 2021, 11, 18772.	1.6	10
44	The Rationale and Evidence for SGLT2 Inhibitors as a Treatment for Nondiabetic Glomerular Disease. <i>Complex Psychiatry</i> , 2021, 1, 21-33.	1.3	11
45	Empagliflozin Relaxes Resistance Mesenteric Arteries by Stimulating Multiple Smooth Muscle Cell Voltage-Gated K <sup>+</sup> (KV) Channels. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10842.	1.8	13
46	Association between novel Glucose-Lowering drugs and risk of Asthma: A network Meta-Analysis of cardiorenal outcome trials. <i>Diabetes Research and Clinical Practice</i> , 2022, 183, 109080.	1.1	12
47	Differences in Endothelial Activation and Dysfunction Induced by Antiphospholipid Antibodies Among Groups of Patients With Thrombotic, Refractory, and Non-refractory Antiphospholipid Syndrome. <i>Frontiers in Physiology</i> , 2021, 12, 764702.	1.3	8
48	Current and future therapeutic perspective in chronic heart failure. <i>Pharmacological Research</i> , 2022, 175, 106035.	3.1	31
49	Empagliflozin reduces oxidative stress through inhibition of the novel inflammation/NHE/[Na <sup>+</sup> ] <sub>c</sub> /ROS-pathway in human endothelial cells. <i>Biomedicine and Pharmacotherapy</i> , 2022, 146, 112515.	2.5	47
50	Dapagliflozin attenuates cholesterol overloading-induced injury in mice hepatocytes with type 2 diabetes mellitus (T2DM) via eliminating oxidative damages. <i>Cell Cycle</i> , 2022, 21, 641-654.	1.3	8
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52	Antioxidant Roles of SGLT2 Inhibitors in the Kidney. <i>Biomolecules</i> , 2022, 12, 143.	1.8	16
53	Cardiometabolic Syndrome and Vascular Calcification. <i>Cardiometabolic Syndrome Journal</i> , 2022, 2, 1.	1.0	1
54	Future perspective in diabetic patients with pre- and post-capillary pulmonary hypertension. <i>Heart Failure Reviews</i> , 2023, 28, 745-755.	1.7	3

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55	The Effect of Sodium-Dependent Glucose Cotransporter 2 Inhibitor Tofogliflozin on Neurovascular Coupling in the Retina in Type 2 Diabetic Mice. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1362.	1.8	13
56	Effects of SGLT-2 Inhibitors on Vascular Endothelial Function and Arterial Stiffness in Subjects With Type 2 Diabetes: A Systematic Review and Meta-Analysis of Randomized Controlled Trials. <i>Frontiers in Endocrinology</i> , 2022, 13, 826604.	1.5	26
57	Empagliflozin does not reverse lipotoxicity-induced impairment in human myeloid angiogenic cell bioenergetics. <i>Cardiovascular Diabetology</i> , 2022, 21, 27.	2.7	1
58	Direct cardiac effects of SGLT2 inhibitors. <i>Cardiovascular Diabetology</i> , 2022, 21, 45.	2.7	62
59	Amelioration of endothelial dysfunction by sodium glucose cotransporter 2 inhibitors: pieces of the puzzle explaining their cardiovascular protection. <i>British Journal of Pharmacology</i> , 2022, 179, 4047-4062.	2.7	16
60	Dapagliflozin attenuates high glucose-induced endothelial cell apoptosis and inflammation through AMPK/SIRT1 activation. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2022, 49, 643-651.	0.9	18
61	Cardiac mechanisms of the beneficial effects of SGLT2 inhibitors in heart failure: Evidence for potential off-target effects. <i>Journal of Molecular and Cellular Cardiology</i> , 2022, 167, 17-31.	0.9	52
62	Effects of SGLT2 Inhibitors on Atherosclerosis: Lessons from Cardiovascular Clinical Outcomes in Type 2 Diabetic Patients and Basic Researches. <i>Journal of Clinical Medicine</i> , 2022, 11, 137.	1.0	15
63	The Effects of the New Therapeutic Treatments for Diabetes Mellitus on the Male Reproductive Axis. <i>Frontiers in Endocrinology</i> , 2022, 13, 821113.	1.5	9
64	Empagliflozin-Enhanced Antioxidant Defense Attenuates Lipotoxicity and Protects Hepatocytes by Promoting FoxO3a- and Nrf2-Mediated Nuclear Translocation via the CAMKK2/AMPK Pathway. <i>Antioxidants</i> , 2022, 11, 799.	2.2	12
65	Dapagliflozin improves endothelial cell dysfunction by regulating mitochondrial production via the SIRT1/PGC-1 $\beta$ pathway in obese mice. <i>Biochemical and Biophysical Research Communications</i> , 2022, 615, 123-130.	1.0	9
66	Updated Pathways in Cardiorenal Continuum after Kidney Transplantation. <i>Transplantology</i> , 2022, 3, 156-168.	0.3	0
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73	Empagliflozin mitigates endothelial inflammation and attenuates endoplasmic reticulum stress signaling caused by sustained glycocalyx disruption. <i>Scientific Reports</i> , 2022, 12, .	1.6	10
74	Treatment of heart failure with preserved ejection fraction with SGLT2 inhibitors: new therapy standard?. <i>Herz</i> , 0, , .	0.4	1
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76	Renoprotective effects of dapagliflozin in an iron overload non-diabetic rat model. <i>Advances in Medical Sciences</i> , 2022, 67, 311-315.	0.9	1
77	Dapagliflozin induces apoptosis by downregulating cFIP <sub>L</sub> and increasing cFIP <sub>S</sub> instability in Caki-1 cells. <i>Oncology Letters</i> , 2022, 24, .	0.8	4
78	Coronary Microvascular Dysfunction in Diabetes Mellitus: Pathogenetic Mechanisms and Potential Therapeutic Options. <i>Biomedicines</i> , 2022, 10, 2274.	1.4	22
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83	The effect of dapagliflozin on myocardial ischemia-reperfusion injury in diabetic rats. <i>Canadian Journal of Physiology and Pharmacology</i> , 0, , .	0.7	0
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86	Metformin and empagliflozin modulate monoamine oxidase-related oxidative stress and improve vascular function in human mammary arteries. <i>Molecular and Cellular Biochemistry</i> , 0, , .	1.4	2
87	SGLT2 Inhibitors May Restore Endothelial Barrier Interrupted by 25-Hydroxycholesterol. <i>Molecules</i> , 2023, 28, 1112.	1.7	2
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90	Clinical pharmacology of SGLT-2 inhibitors in heart failure. <i>Expert Review of Clinical Pharmacology</i> , 2023, 16, 149-160.	1.3	5

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91	The Sodium-Glucose Co-Transporter 2 (SGLT2) Inhibitor Empagliflozin Reverses Hyperglycemia-Induced Monocyte and Endothelial Dysfunction Primarily through Glucose Transport-Independent but Redox-Dependent Mechanisms. <i>Journal of Clinical Medicine</i> , 2023, 12, 1356.	1.0	7
92	Dapagliflozin alleviates myocardial ischemia/reperfusion injury by reducing ferroptosis via MAPK signaling inhibition. <i>Frontiers in Pharmacology</i> , 0, 14, .	1.6	13
93	Analysis of the cardiac effects of sodium-glucose co-transporter 2 inhibitors in animals without diabetes and a clinical perspective. <i>European Journal of Pharmacology</i> , 2023, 945, 175626.	1.7	0
94	Insights into SGLT2 inhibitor treatment of diabetic cardiomyopathy: focus on the mechanisms. <i>Cardiovascular Diabetology</i> , 2023, 22, .	2.7	18
103	The anti-inflammatory and immunological properties of SGLT-2 inhibitors. <i>Journal of Endocrinological Investigation</i> , 2023, 46, 2445-2452.	1.8	5
105	SGLT2 Inhibitors in Aging-Related Cardiovascular Disease: A Review of Potential Mechanisms. <i>American Journal of Cardiovascular Drugs</i> , 0, , .	1.0	2