Clinical and molecular mechanisms favoring cancer initiation and progression in diabetic patients

DOI: 10.1016/j.numecd.2013.05.006
Nutrition, Metabolism and Cardiovascular Diseases, 2013, 23, 808-15.

#	Paper	IF	Citations
77	PAS kinase: a nutrient sensing regulator of glucose homeostasis. *IUBMB Life*, **2013**, 65, 921-9	4.7	15
76	Opposing functions of Akt isoforms in lung tumor initiation and progression. *PLoS ONE*, **2014**, 9, e94595	3.7	50
75	Diabetes and cancer: Associations, mechanisms, and implications for medical practice. *World Journal of Diabetes*, **2014**, 5, 372-80	4.7	74
74	Biological effects of insulin and its analogs on cancer cells with different insulin family receptor expression. *Journal of Cellular Physiology*, **2014**, 229, 1817-21	7	28
73	Obesity and cancer pathogenesis. *Annals of the New York Academy of Sciences*, **2014**, 1311, 57-76	6.5	135
72	Carnosic acid suppresses colon tumor formation in association with antiadipogenic activity. *Molecular Nutrition and Food Research*, **2014**, 58, 2274-85	5.9	25
71	Advanced glycation end products increase carbohydrate responsive element binding protein expression and promote cancer cell proliferation. *Molecular and Cellular Endocrinology*, **2014**, 395, 69-78	4.4	37
70	Marine Organisms in Cancer Chemoprevention. **2015**, 279-340		1
69	SAG-UPS regulates malignant transformation--from chronic inflammation to pro-tumorigenesis to liver cancer. *Cell Death and Disease*, **2015**, 6, e1941	9.8	5
68	Thymic emigration patterns in patients with type 2 diabetes treated with metformin. *Immunology*, **2015**, 146, 456-69	7.8	14
67	Recent advances in the use of metformin: can treating diabetes prevent breast cancer?. *BioMed Research International*, **2015**, 2015, 548436	3	49
66	When fat becomes an ally of the enemy: adipose tissue as collaborator in human breast cancer. *Hormone Molecular Biology and Clinical Investigation*, **2015**, 23, 21-38	1.3	5
65	Detection of phosphorylated insulin receptor in colorectal adenoma and adenocarcinoma: implications for prognosis and clinical outcome. *Journal of Cellular Physiology*, **2015**, 230, 562-7	7	13
64	Metabolic Syndrome, Type 2 Diabetes, and Cancer: Epidemiology and Potential Mechanisms. *Handbook of Experimental Pharmacology*, **2016**, 233, 355-72	3.2	19
63	Adipo8, a high-affinity DNA aptamer, can differentiate among adipocytes and inhibit intracellular lipid accumulation in vitro. *Science China Chemistry*, **2015**, 58, 1612-1620	7.9	6
62	Type 2 diabetic patients with Graves' disease have more frequent and severe Graves' orbitopathy. *Nutrition, Metabolism and Cardiovascular Diseases*, **2015**, 25, 452-7	4.5	15
61	Ovariectomy is associated with metabolic impairments and enhanced mammary tumor growth in MKR mice. *Journal of Endocrinology*, **2015**, 227, 143-151	4.7	10

60	Insulin, insulin receptors, and cancer. *Journal of Endocrinological Investigation*, **2016**, 39, 1365-1376	5.2	124
59	Environmentally Induced Alterations in the Epigenome Affecting Obesity and Cancer in Minority Populations. *Energy Balance and Cancer*, **2016**, 109-146	0.2	
58	Association between markers of glucose metabolism and risk of colorectal cancer. *BMJ Open*, **2016**, 6, e011430	3	47
57	Hyperglycemia, tumorigenesis, and chronic inflammation. *Critical Reviews in Oncology/Hematology*, **2016**, 108, 146-153	7	71
56	Diabetic nephropathy and endothelial dysfunction: Current and future therapies, and emerging of vascular imaging for preclinical renal-kinetic study. *Life Sciences*, **2016**, 166, 121-130	6.8	39
55	Mechanisms of Doxorubicin Toxicity in Pancreatic Cells. *Toxicological Sciences*, **2016**, 152, 395-405	4.4	16
54	Echocardiographic evaluation of the early cardiotoxic effect of hematopoietic stem cell transplantation in patients with hematologic malignancies. *Leukemia and Lymphoma*, **2016**, 57, 2119-25	1.9	1
53	Diabetology and oncology meet in a network model: union is strength. *Acta Diabetologica*, **2016**, 53, 515-24	3.9	14
52	Survival Benefit of Exercise Differs by Tumor IRS1 Expression Status in Colorectal Cancer. *Annals of Surgical Oncology*, **2016**, 23, 908-17	3.1	23
51	Cholesterol Synthetase DHCR24 Induced by Insulin Aggravates Cancer Invasion and Progesterone Resistance in Endometrial Carcinoma. *Scientific Reports*, **2017**, 7, 41404	4.9	19
50	Antidiabetic drug use and prostate cancer risk in the Finnish Randomized Study of Screening for Prostate Cancer. *Scandinavian Journal of Urology*, **2017**, 51, 5-12	1.6	28
49	Higher risk of colorectal cancer in patients with newly diagnosed diabetes mellitus before the age of colorectal cancer screening initiation. *Scientific Reports*, **2017**, 7, 46527	4.9	43
48	Comorbidities in the management of patients with lung cancer. *European Respiratory Journal*, **2017**, 49,	13.6	42
47	Advanced glycation end products promote ChREBP expression and cell proliferation in liver cancer cells by increasing reactive oxygen species. *Medicine (United States)*, **2017**, 96, e7456	1.8	17
46	Estrogen receptors and progesterone receptors expression in endometrial carcinoma in diabetic versus nondiabetic patients. *Egyptian Journal of Pathology*, **2017**, 37, 42-47	0	
45	Cervical Intraepithelial Neoplasia in Diabetic Patients: A Cross-Sectional Study in Egypt. *Indian Journal of Gynecologic Oncology*, **2017**, 15, 1	0.2	
44	2017 update on the relationship between diabetes and colorectal cancer: epidemiology, potential molecular mechanisms and therapeutic implications. *Oncotarget*, **2017**, 8, 18456-18485	3.3	84
43	Long-acting insulin analogs and cancer. *Nutrition, Metabolism and Cardiovascular Diseases*, **2018**, 28, 436-443	4.3	19

42	Linking type 2 diabetes and gynecological cancer: an introductory overview. *Clinical Chemistry and Laboratory Medicine*, **2018**, 56, 1413-1425	5.9	15
41	AGEs, RAGEs and s-RAGE; friend or foe for cancer. *Seminars in Cancer Biology*, **2018**, 49, 44-55	12.7	92
40	Adverse glycaemic effects of cancer therapy: indications for a rational approach to cancer patients with diabetes. *Metabolism: Clinical and Experimental*, **2018**, 78, 141-154	12.7	28
39	Insulin Receptor Isoforms in Cancer. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	45
38	Diabetes and Cancer. *Endocrinology*, **2018**, 1-34	0.1	
37	Sodium tungstate: Is it a safe option for a chronic disease setting, such as diabetes?. *Journal of Cellular Physiology*, **2018**, 234, 51-60	7	5
36	Intersections and Clinical Translations of Diabetes Mellitus with Cancer Promotion, Progression and Prognosis. *Postgraduate Medicine*, **2019**, 131, 597-606	3.7	6
35	Adipose Tissue, Obesity and Adiponectin: Role in Endocrine Cancer Risk. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	48
34	Asarone and metformin delays experimentally induced hepatocellular carcinoma in diabetic milieu. *Life Sciences*, **2019**, 230, 10-18	6.8	8
33	Short-term adverse effects of anticancer drugs in patients with type 2 diabetes. *Journal of Chemotherapy*, **2019**, 31, 150-159	2.3	4
32	Unraveling the Resistance of IGF-Pathway Inhibition in Ewing Sarcoma. *Cancers*, **2020**, 12,	6.6	6
31	Preexisting diabetes, metformin use and long-term survival in patients with prostate cancer. *Scandinavian Journal of Urology*, **2020**, 54, 401-407	1.6	1
30	Non-genetic biomarkers and colorectal cancer risk: Umbrella review and evidence triangulation. *Cancer Medicine*, **2020**, 9, 4823-4835	4.8	6
29	Deciphering the complex interplay between pancreatic cancer, diabetes mellitus subtypes and obesity/BMI through causal inference and mediation analyses. *Gut*, **2021**, 70, 319-329	19.2	16
28	A Cohort Study of Exposure to Antihyperglycemic Therapy and Survival in Patients with Lung Cancer. *International Journal of Environmental Research and Public Health*, **2020**, 17,	4.6	1
27	Improving health engagement and lifestyle management for breast cancer survivors with diabetes. *Contemporary Clinical Trials*, **2020**, 92, 105998	2.3	2
26	"Adiponectin Paradox" and Cancer Risk: Is It Time for a Reevaluation of the Beneficial Effect of this Adipokine?. *Journal of Clinical Endocrinology and Metabolism*, **2020**, 105,	5.6	
25	Nutritional status and follicular-derived thyroid cancer: An update. *Critical Reviews in Food Science and Nutrition*, **2021**, 61, 25-59	11.5	25

24	Adipose Tissue Produced Estrogen as Risk Factors for Cancers. **2021**, 13-24		
23	Therapeutic approaches targeting molecular signaling pathways common to diabetes, lung diseases and cancer. *Advanced Drug Delivery Reviews*, **2021**, 178, 113918	18.5	3
22	Adipose Tumor Microenvironment. *Advances in Experimental Medicine and Biology*, **2020**, 1226, 73-86	3.6	5
21	Effects of Combination of Estradiol with Selective Progesterone Receptor Modulators (SPRMs) on Human Breast Cancer Cells In Vitro and In Vivo. *PLoS ONE*, **2016**, 11, e0151182	3.7	2
20	Hepatitis C virus-mediated angiogenesis: molecular mechanisms and therapeutic strategies. *World Journal of Gastroenterology*, **2014**, 20, 15467-75	5.6	13
19	Metformin association with lower prostate cancer recurrence in type 2 diabetes: a systematic review and meta-analysis. *Asian Pacific Journal of Cancer Prevention*, **2015**, 16, 595-600	1.7	34
18	Diabetes and Cancer. *Endocrinology*, **2018**, 377-410	0.1	1
17	Diabetes and Cancer. *Endocrinology*, **2019**, 1-34	0.1	
16	Type 2 diabetes and cancer: problems and suggestions for best patient management. *Exploration of Medicine*, **2020**, 1, 184-204	1.1	4
15	Diabetes and Cancer. *Endocrinology*, **2020**, 377-410	0.1	
14	Impact of diabetes on the increased risk of hepatic cancer: An updated review of biological aspects. *Diabetes Epidemiology and Management*, **2021**, 100025		0
13	Breast Cancer Metastasis Associations with Clinicopathological Characteristics in Mexican Women Younger than 40 Years of Age. *Asian Pacific Journal of Cancer Prevention*, **2016**, 17, 5019-5023	1.7	2
12	Verification of the Impact of Blood Glucose Level on Liver Carcinogenesis and the Efficacy of a Dietary Intervention in a Spontaneous Metabolic Syndrome Model. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	0
11	Diabetes and Cancer: Risk, Challenges, Management and Outcomes. *Cancers*, **2021**, 13,	6.6	6
10	Survival outcomes in endometrial cancer patients according to diabetes: a systematic review and meta-analysis.. *BMC Cancer*, **2022**, 22, 427	4.8	1
9	PROBLEMS AND EDUCATIONAL NEEDS RELATED TO PORT CATHETER IN CANCER PATIENTS. □□□ *□niversitesi Sa□□ Hizmetleri Meslek Y□ksek Okulu Dergisi*,	0.2	
8	1H-NMR-based serum metabolomic study to evaluate the effect of asarone and metformin on experimentally induced diabetic hepatocellular carcinoma in rats. *Bulletin of the National Research Centre*, **2022**, 46,	3	
7	Inflammasome activation as a link between obesity and thyroid disorders: Implications for an integrated clinical management. 13,		

6	Systematic Review of the Role of Alpha-Protein Kinase 1 in Cancer and Cancer-Related Inflammatory Diseases. **2022**, 14, 4390	0
5	Understanding the effect of obesity on papillary thyroid cancer: is there a need for tailored diagnostic and therapeutic management?. 1-10	0
4	A multi-granularity convolutional neural network model with temporal information and attention mechanism for efficient diabetes medical cost prediction. **2022**, 106246	0
3	Metformin Attenuates Inflammation and Fibrosis in Thyroid-Associated Ophthalmopathy. **2022**, 23, 15508	0
2	Drug repurposing: Metformin's effect against liver tissue damage in diabetes and prostate cancer model.	0
1	Non-obese or lean non-alcoholic fatty liver disease was associated with increased risk of cancer in patients with type 2 diabetes mellitus. **2023**, 11, e003066	1