

評価対象論文リスト(要因:妊娠中に妊娠糖尿病があった人、アウトカム:がん)

評価判定日:2025/3/7

①既存の系統的レビュー・メタ解析・統合解析

1	Hardefeldt PJ, Edirimanne S, Eslick GD. Diabetes increases the risk of breast cancer: a meta-analysis. <i>Endocr Relat Cancer</i> . 2012;19(6):793-803. Published 2012 Nov 19. doi:10.1530/ERC-12-0242
2	Tong GX, Cheng J, Chai J, et al. Association between gestational diabetes mellitus and subsequent risk of cancer: a systematic review of epidemiological studies. <i>Asian Pac J Cancer Prev</i> . 2014;15(10):4265-4269. doi:10.7314/apjcp.2014.15.10.4265
3	Xie C, Wang W, Li X, Shao N, Li W. Gestational diabetes mellitus and maternal breast cancer risk: a meta-analysis of the literature. <i>J Matern Fetal Neonatal Med</i> . 2019;32(6):1022-1032. doi:10.1080/14767058.2017.1397117
4	Wang Y, Yan P, Fu T, et al. The association between gestational diabetes mellitus and cancer in women: A systematic review and meta-analysis of observational studies. <i>Diabetes Metab</i> . 2020;46(6):461-471. doi:10.1016/j.diabet.2020.02.003
5	Yan P, Wang Y, Yu X, Liu Y, Zhang ZJ. Maternal diabetes and risk of childhood malignancies in the offspring: a systematic review and meta-analysis of observational studies [published correction appears in <i>Acta Diabetol</i> . 2021 Feb;58(2):169. doi: 10.1007/s00592-021-01680-3.]. <i>Acta Diabetol</i> . 2021;58(2):153-
6	Simon J, Goueslard K, Bechraoui-Quantin S, Arveux P, Quantin C. Is Gestational Diabetes Mellitus a Risk Factor of Maternal Breast Cancer? A Systematic Review of the Literature. <i>Biomedicines</i> . 2021;9(9):1174. Published 2021 Sep 7. doi:10.3390/biomedicines9091174
7	Marley AR, Domingues A, Ghosh T, Turcotte LM, Spector LG. Maternal Body Mass Index, Diabetes, and Gestational Weight Gain and Risk for Pediatric Cancer in Offspring: A Systematic Review and Meta-Analysis. <i>JNCI Cancer Spectr</i> . 2022;6(2):pkac020. doi:10.1093/jncics/pkac020
8	Flachs Madsen LR, Gerdøe-Kristensen S, Lauenborg J, Damm P, Kesmodel US, Lyng E. Long-Term Follow-Up on Morbidity Among Women With a History of Gestational Diabetes Mellitus: A Systematic Review. <i>J Clin Endocrinol Metab</i> . 2022;107(9):2411-2423. doi:10.1210/clinem/dgac373
9	Dong WW, Zhang DL, Wang ZH, Lv CZ, Zhang P, Zhang H. Different types of diabetes mellitus and risk of thyroid cancer: A meta-analysis of cohort studies. <i>Front Endocrinol (Lausanne)</i> . 2022;13:971213. Published 2022 Sep 23. doi:10.3389/fendo.2022.971213
10	Slouha E, Gates KM, Al-Geizi H, Baah E, Clunes LA, Kollias TF. The Relationship Between Gestational Diabetes and the Risk of Cancer: A Systematic Review. <i>Cureus</i> . 2024;16(1):e53328. Published 2024 Jan 31. doi:10.7759/cureus.53328
11	Tsokkou S, Konstantinidis I, Georgaki MN, et al. Gestational Diabetes Mellitus and Its Correlation in the Development of Pancreatic Cancer: A 10-Year Systematic Review. <i>Cancers (Basel)</i> . 2024;16(10):1840. Published 2024 May 11. doi:10.3390/cancers16101840

■系統的レビュー、メタ解析

Reference			Include study				Design	Category	Relative risk (95% CI or p)	Weight	Magnitude of association					
Author	Title	Year	Ref No.	First author	Year	Study period	Study location	Event								
Tong GX, Cheng J, Chai J, Geng QQ, Chen PL, Shen XR, Liang H, Wang DB.	Association between gestational diabetes mellitus and subsequent risk of cancer: a systematic review of epidemiological studies	2014	N/A	Troisi	1998	N/A	United States	Brest cancer	Case-control	Gestational Diabetes Mellitus	0.97 (0.68, 1.38)	18.67	—			
				Lawlor	2004		Britain		Case-control		1.74 (0.80, 3.81)	2.22				
				Rollison	2008		United States		Case-control		0.76 (0.56, 1.03)	29.01				
				Brasky	2013		United States		Case-control		0.81 (0.52, 1.27)	12.92				
				Cnattiongius	2005		Sweden		Cohort		0.89 (0.47, 1.65)	6.58				
				Perrin	2008		Israel		Cohort		1.71 (1.17, 2.51)	9.46				
				Sella	2011		Israel		Cohort		1.15 (0.85, 1.56)	21.14				
				Perrin	2007		Israel		Pancrease cancer		Cohort	Gestational Diabetes Mellitus		1.01 (0.87, 1.17)	100.00	↑ ↑ ↑
				Sella	2011		Israel		Cohort		9.34 (3.74, 23.31)	59.22				
														7.73 (1.93, 30.89)	40.78	
Xie C, Wang W, Li X, Shao N, Li W.	Gestational diabetes mellitus and maternal breast cancer risk: ameta-analysis of the literature	2019	N/A	Troisi	1998	N/A	USA	Breast cancer	Case-control	Gestational Diabetes Mellitus	1.10 (0.73, 1.50)	9.35	—			
				Rollison	2008		USA		Case-control		0.71 (0.52, 0.98)	10.27				
				Sanderson	2010		USA		Case-control		0.26 (0.03, 2.31)	0.62				
				Brasky	2013		USA		Case-control		0.79 (0.48, 1.30)	6.85				
				Ardalan	2016		USA		Case-control		1.62 (0.30, 8.68)	1.00				
				Perrin	2008		Israel		Cohort		1.50 (1.00, 2.10)	9.12				
				Sella	2011		Israel		Cohort		0.87 (0.63, 1.20)	10.16				
				Bejaimal	2015		Canada		Cohort		0.86 (0.75, 0.98)	14.26				
				Powe	2016		USA		Cohort		0.68 (0.55, 0.84)	12.66				
				Fuchs	2016		Israel		Cohort		1.30 (1.10, 1.60)	13.19				
Park	2017	USA	Cohort	1.10 (0.88, 1.36)	12.52											
Wang Y, Yan P, Fu T, Yuan J, Yang G, Liu Y, Zhang ZJ.	The association between gestational diabetes mellitus and cancer in women: A systematic review and meta-analysis of observational studies	2020	N/A	Ardalan	2016	N/A	US	Breast cancer incidence	Case-control	Gestational Diabetes Mellitus	1.62 (0.30, 8.68)	0.86	—			
				Brasky	2013		US		Case-control		0.79 (0.48, 1.30)	5.1				
				Sanderson	2010		US		Case-control		0.26 (0.03, 2.31)	0.53				
				Rollison	2008a		US		Case-control		0.68 (0.45, 1.03)	5.98				
				Rollison	2008b		US		Case-control		0.75 (0.46, 1.22)	5.21				
				Lawlor	2004		UK		Case-control		1.59 (0.72, 3.49)	2.97				
				Troisi	1998		US		Case-control		1.10 (0.73, 1.50)	6.6				
				Pace	2019		Canada		Cohort		0.93 (0.80, 1.09)	8.95				
				Peng	2019		China		Cohort		1.23 (1.09, 1.39)	9.23				
				Han	2018		South Korea		Cohort		1.15 (0.83, 1.58)	7.06				
Park	2017	US	Cohort	1.10 (0.88, 1.36)	8.29											
Powe	2016	US	Cohort	0.68 (0.55, 0.84)	8.36											
Fuchs	2016	Israel	Cohort	2.00 (1.60, 2.51)	8.21											
Bejaimal	2016	Canada	Cohort	0.86 (0.75, 0.98)	9.13											
Sella	2013	Israel	Cohort	0.87 (0.63, 1.20)	7.05											
Perrin	2008	Israel	Cohort	1.50 (1.00, 2.10)	6.47											
						1.02 (0.87, 1.21)	100.00	—								
Dong WW, Zhang DL, Wang ZH, Lv CZ, Zhang P, Zhang H.	Different types of diabetes mellitus and risk of thyroid cancer: A meta-analysis of cohort studies	2022	N/A	Pace	2019	N/A	Canada		Thyroid cancer incidence	Cohort	Gestational diabetes	1.39 (1.03, 1.88)	10.87	↑		
				Peng	2019		China	Cohort		1.39 (1.12, 1.72)		21.77				
				Han	2018		Korea	Cohort		1.27 (1.05, 1.53)		28.27				
				Bejaimal	2016		Canada	Cohort		1.24 (1.06, 1.46)		39.09				
										1.30 (1.17, 1.43)	100.00					