

Egger's test

Std_Eff	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
slope	1.518238	.8442001	1.80	0.106	-.3914751	3.427951
bias	1.005	4.640214	0.22	0.833	-9.491892	11.50189

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Supplementary Figure 1 Risk of publication bias for association between acute pancreatitis and pancreatic cancer based on Egger's test.

Meta-analysis

Method	Pooled Est	95% CI		Asymptotic		No. of studies
		Lower	Upper	z_value	p_value	
Fixed	0.929	0.813	1.044	15.775	0.000	11
Random	0.961	0.507	1.415	4.151	0.000	

Test for heterogeneity: Q= 105.811 on 10 degrees of freedom (p= 0.000)
Moment-based estimate of between studies variance = 0.424

Trimming estimator: Linear
Meta-analysis type: Random-effects model

iteration	estimate	In	# to trim	diff
1	0.961	33	0	66
2	0.961	33	0	0

Note: no trimming performed; data unchanged

Filled
Meta-analysis (exponential form)

Method	Pooled Est	95% CI		Asymptotic		No. of studies
		Lower	Upper	z_value	p_value	
Fixed	2.531	2.255	2.841	15.775	0.000	11
Random	2.614	1.661	4.115	4.151	0.000	

Test for heterogeneity: Q= 105.811 on 10 degrees of freedom (p= 0.000)
Moment-based estimate of between studies variance = 0.424

Supplementary Figure 2 Results of the funnel plot for developing acute pancreatitis in pancreatic cancer risk after trimming and filling method.

Supplementary Table 1 The excel recorded the number of patients in the AP group and the control group in five prospective cohort studies

Studies	PCs	APs	PCs	Controls
Munigala2014	86	5634	624	489160
Sadr-Azodi2018	536	49213	233	138517
Chung2012	11	736	10	5966
Goldacre2008	91	5985	826	598482
Kirkegard2018	435	41234	502	207838

Supplementary Table 2 The excel recorded the risk estimates of the different follow-up times

P. Rijker	2017	1.1	0.3	3.3	No lag period
Bansal	1995	1.76	1.28	2.41	No lag period
Due11	2006	6.4	2.7	15	No lag period
Goldacre	2008	5.7	4.54	7.08	No lag period
Pang	2018	6.69	2.15	20.87	1-year lag period
Munigala	2014	66.01	47.24	92.23	1-year lag period
Sadr-Azod	2018	9.92	6.09	16.14	1-year lag period
Kirkegard	2018	19.28	14.62	25.41	2-year lag period
Pang	2018	9.99	3.2	31.16	2-year lag period
Sadr-Azod	2018	5.78	3.73	8.95	2-year lag period
Munigala	2014	5.15	2.3	11.52	2-year lag period
Kirkegard	2018	2.43	1.73	3.41	5-year lag period
Chung	2012	9.1	3.81	21.76	5-year lag period
Sadr-Azod	2018	2.68	1.5	4.76	5-year lag period
Karlson	1997	2.4	1.6	3.3	5-year lag period
Munigala	2014	1.05	0.14	7.68	5-year lag period
Ekbom	1994	3.2	1.3	6.5	5-year lag period
Sadr-Azod	2018	1.91	1.3	2.82	10-year lag period
Karlson	1997	1.6	1.1	2.2	10-year lag period
Ekbom	1994	1.5	0.5	3.4	10-year lag period
Sadr-Azod	2018	1.24	0.68	2.25	>10-year lag period
Karlson	1997	1.2	0.7	1.7	>10-year lag period
Ekbom	1994	0.9	0.2	2.5	>10-year lag period