Table 2.39. Meta- and pooled analyses of cigarette smoking and pancreatic cancer

Reference, location, name of study	Study description	Smoking categories	No. of Cases	Relative risks (95%CI)		Adjustment factors/ comments
Iodice et al (2008)	A meta-analysis of 82 (42 case-control, 40 cohort) studies about smoking and pancreatic cancer, published between 1950 and 2007				P-value for effect heterogeneity across studies	No heterogeneity across studies regarding study type, study area, histological confirmation and sex.
		Cigarettes				
		Current		1.74 (1.61-1.87)	<0.01	
		Former		1.20 (1.11-1.29)	0.08	
		Pipe and/or cigars				Effect heterogeneity for
		Current		1.47 (1.17-1.83)	0.03	current cigarette
		Former		1.29 (0.68-2.45)	<0.01	smoking in part
		Smoking cessation				explained by adjustment
		<10 years		1.48 (1.25-1.76)	< 0.01	for confounders
		≥10 years		1.15 (0.95-1.40)	< 0.01	(P=0.08).
		≥20 years		0.96 (0.85-1.09)	0.64	For pipe/cigar smoking,
		Cigarette consumption				use of proxy (P=0.07),
		x 1 cig/day		1.02 (1.02-1.03)	<0.01	and inclusion of cancers
		x 20cig/day		1.62 (1.51-1.75)		among controls (P=0.04)
		x 1 pack year		1.01 (1.00-1.01)	0.04	explained part of
		x 40 pack year		1.37 (1.09-1.72)		heterogeneity across
		Smoking duration				studies.
		x 1 year		1.01 (1.01-1.02)	<0.01	
		x 10 years		1.16 (1.12-1.19)		

Table 2.39. Meta- and pooled analyses of cigarette smoking and pancreatic cancer

Reference, location, name of study	Study description	Smoking categories	No. of Cases	Relative risks (95%CI)	Adjustment factors/ comments
Lynch et al. (2009)	Pooled data from the international Pancreatic Cancer Cohort Consortium nested-case-control study of 1481 cases, 1539 controls; Studies in the pooled analysis included 1) Alpha Tocopherol, Beta-Carotene Cancer Prevention (ATBC Study); 2) CLUE II; 3) Cancer Prevention Study II; 4) European Prospective Investigation into Cancer and Nutrition (EPIC); 5) New York University Women's Health Study; 6) Prostate, Lung, Colorectal, Ovarian Cancer Screening Trial; 7) Shanghai Men's and women's Health Study; and 8) Women's Health Initiative	*Smoking status*			Adjusted for age, sex, study center, diabetes, body mass index, and race
		Never smoker	582	1.0	
		Ever Smoker	899	1.24 (1.06-1.46)	
		Current	433	1.77 (1.38-2.26)	
		Former	466	1.09 (0.91-1.30)	
		Intensity, cigarettes/day			
		<10	142	1.18 (0.91-1.55)	
		10-<20	252	1.33 (1.05-1.67)	
		20-<25	150	1.30 (0.98-1.72)	
		25-<30	70	1.28 (0.88-1.88)	
		≥30	121	1.75 (1.27-2.42)	
		p trend		<0.001	
		Duration, years			
		≤10	86	1.08(0.79-1.49)	
		>10-20	113	0.96(0.72-1.27)	
		>20-40	306	1.30(1.06-1.60)	
		>40-50	161	1.59(1.20-2.11)	
		>50	39	2.13(1.25-3.62)	
		p trend		<0.001	
		Pack-years			
		≤10	149	1.11(0.85-1.43)	
		>10-20	121	1.32(0.98-1.77)	
		>20-30	127	1.30(0.97-1.75)	
		>30-40	119	1.49(1.08-2.03)	
		>40	194	1.78(1.35-2.34)	
		p trend		<0.001	
		Years since quitting			
		1-<10	40	2.19(1.25-3.83)	
		10-<15	40	1.24(0.78-1.98)	
		15-<20	36	0.91(0.58-1.44)	
		20-<30	81	0.91(0.66-1.26)	
		≥30	154	0.93(0.73-1.20)	
		p trend		<0.001	
		Age at start years			
		<15	68	1.24(0.85-1.79)	
		15-<20	361	1.27(1.03-1.56)	
		≥20	410	1.28(1.06-1.56)	
		p trend		0.97	