**S2** Fig - Forest plot of lung cancer risk for each SD increase of waist-to-hip ratio observed in a likelihood-based MR approach. 95%CI: 95% Confidence Interval; P: P value. I<sup>2</sup>: between-strata heterogeneity. PHet: P value of between-strata heterogeneity.

Lung Cancer	Cases	Controls	Odds Ratio		95% CI	Р
Overall	29,266	56,450		1.04	0.87 - 1.25	0.68
Histology type					<b>l</b> <sup>2</sup> = 0%;	<b>PHet</b> = 0.70
Adenocarcinoma	11,273	55,483		0.97	0.76 - 1.25	0.83
Squamous cell	7,426	55,627		1.11	0.83 - 1.49	0.48
Small cell	2,664	21,444		-1.17	0.74 - 1.86	0.50
Smoking group					<b>l</b> <sup>2</sup> = 0%;	<b>PHet</b> = 0.42
Never smokers	2,355	7,504 ——	-	0.78	0.45 - 1.35	0.37
Ever smokers	23,223	16,964		1.00	0.79 - 1.26	0.99
		Γ				
		0.5	1	2		