

Supplementary Table 1: Characteristics of cases and controls who provided or did not provide a toenail specimen

Characteristics	Population Controls			Oesophageal Adenocarcinoma			Barrett's Oesophagus		
	TN sample (n=221)	No TN sample* (n=39)	P-value ¹	TN sample (n=137)	No TN sample* (n=90)	P-value ¹	TN sample (n=182)	No TN sample* (n=42)	P-value ¹
Age (yrs) $\bar{x}(\pm SD)^{\ddagger}$	63.6 (± 12.7)	59.8 (± 13.6)	0.092	64 (± 10.3)	64.6 (± 12.5)	0.653	62.2 (± 11.5)	63 (± 13.8)	0.692
Gender n (%)									
(M)	184 (83)	36 (92)		115 (84)	77 (86)		153 (84)	32 (76)	
(F)	37 (17)	3 (8)	0.149	22 (16)	13 (14)	0.742	29 (16)	10 (24)	0.225
Smoking status n (%)									
Current	35 (16)	10 (27)		43 (32)	34 (39)		41 (23)	9 (21)	
Previous	89 (41)	9 (25)		62 (46)	37 (42)		70 (39)	15 (36)	
Never	93 (43)	18 (48)	0.07	30 (22)	16 (19)	0.520	69 (38)	18 (43)	0.295
Location n (%)									
NI	110 (50)	11 (28)		80 (58)	35 (39)		138 (76)	14 (33)	
RoI	111 (50)	28 (72)	0.013	57 (42)	55 (61)	0.004	44 (24)	28 (67)	0.000
BMI (kg/m ²) $\bar{x}(\pm SD)^{\ddagger}$	27.1 (± 13.9)	26.7 (± 3.9)	0.616	28.3 (± 4.5)	29.2 (± 5.4)	0.16	27.1 (± 4.1)	26.3 (± 3.5)	0.221
Waist to hip ratio n (%)									
Normal	83 (39)	8 (20)		57 (42)	28 (34)		66 (36)	11 (26)	
High	134 (61)	31 (80)	0.033	78 (57)	57 (66)	0.169	116 (64)	31 (74)	0.215
GOR symptoms n (%)									
Ever	40 (18)	9 (23)		74 (54)	47 (52)		48 (26)	29 (69)	
Never	181 (82)	30 (77)	0.464	63 (46)	43 (48)	0.358	134 (74)	13 (31)	0.361

$\bar{x}(\pm SD)^{\ddagger}$ = mean \pm standard deviation

n (%) = number and (percentage)

* No TN sample = No toenail sample provided

¹ P value for Chi² test (for categorical variables) and ttest (for continuous variables) between cases and controls who provided/did not provide a toenail sample

*Waist to hip ratio normal if <0.85 for women and <0.95 for men; waist to hip ratio high if ≥ 0.85 for women and ≥ 0.95 for men