**Table S1 Demographic characteristics of the participants**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Cases(n=150) | Controls(n=177) | *P* |
| Gender, n(%) female  male Age(yr), mean ± SDSmoking history, n (%) No YesAlcohol consumption, n (%) No YesFamily history of cancer, n (%) Disease history, n (%) Clinical stage, n (%) I II III IVT stage, n (%) T1 T2 T3 T4N stage, n (%) N0 N1 N2 N3M stage, n (%) M0 M1 | 31(20.67)119(79.33)59±1059(39.33)91(60.67)105(70.00)45(30.00)9(6.00)45(30.00)6(4.00)32(21.33)77(51.33)35(23.33)11(7.33)12(8.00)59(39.33)68(45.33)38(25.33)72(48.00)36(24.00)4(2.67)131(87.33)19(12.67) | 51(28.81)126(71.19)57.47±14.12 | 0.076a0.148b |

a data analysis by Chi-square test；b data analysis by t test