**Supplementary Table 1.** **Demographical and clinicopathological characteristics of included and excluded subjects**

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| --- | --- | --- | --- |
| **Characteristics** | **Subjects included in this study (N=504)** | | **Subjects excluded due to lack of diet/disease-outcome data or unreliable total caloric intake (N=233)** |
| **No. of survived patients (%)** | **No. of deaths (%)** | **No. of patients (%)** |
| Age at diagnosis (y) a | 60.3±9.0 | 62.0±8.9 | 61.7±10.1 |
| Sex |  |  |  |
| Male | 200 (58.0) | 106 (66.7) | 143 (61.4) |
| Female | 145 (42.0) | 53 (33.3) | 90 (38.6) |
| BMI (kg/m2) |  |  |  |
| <25.0 | 97 (29.0) | 43 (27.9) | 59 (35.5) |
| 25.0-29.9 | 133 (39.7) | 70 (45.5) | 64 (38.6) |
| ≥30 | 105 (31.3) | 41 (26.6) | 43 (25.9) |
| Marital status |  |  |  |
| Single | 69 (20.0) | 40 (25.2) | 43 (24.0) |
| Married or living as married | 276 (80.0) | 119 (74.8) | 136 (76.0) |
| Tumor location |  |  |  |
| Colon | 231 (67.0) | 97 (61.0) | 133 (72.7) |
| Rectum | 114 (33.0) | 62 (39.0) | 50 (27.3) |
| Stage at diagnosis |  |  |  |
| I/II | 227 (65.8) | 66 (41.5) | 64 (27.5) |
| III/IV | 118 (34.2) | 93 (58.5) | 169 (82.5) |
| T stage |  |  |  |
| T1 | 20 (6.5) | 5 (3.5) | 10 (4.9) |
| T2 | 77 (25.0) | 23 (16.1) | 15 (7.3) |
| T3 | 200 (64.9) | 107 (74.8) | 152 (73.8) |
| T4 | 11 (3.6) | 8(5.6) | 29 (14.1) |
| N stage |  |  |  |
| NX | 7 (2.3) | 2 (1.4) | 6 (2.9) |
| N0 | 197 (64.2) | 66 (46.8) | 62 (30.2) |
| N1 | 78 (25.4) | 43 (30.5) | 67 (32.7) |
| N2 | 25 (8.1) | 30 (35.5) | 70 (34.2) |
| M stage |  |  |  |
| MX | 164 (58.0) | 56 (43.1) | 61 (33.1) |
| M0 | 111 (39.2) | 43 (33.1) | 57 (31.0) |
| M1 | 8 (2.8) | 31 (23.9) | 66 (35.9) |
| Chemoradiotherapy |  |  |  |
| No | 62 (18.0) | 38 (23.9) | 38 (20.8) |
| Yes | 283 (82.0) | 121 (76.1) | 145 (79.2) |
| MSI status |  |  |  |
| MSS/MSI-L | 277 (84.5) | 146 (97.3) | 201 (92.2) |
| MSI-H | 51 (15.6) | 4 (2.7) | 17 (7.8) |
| Smoking status |  |  |  |
| Never smokers | 102 (29.6) | 36 (22.6) | 58 (33.5) |
| Ever smokers | 243 (70.4) | 123 (77.4) | 115 (66.5) |
| Total energy intake (kcal/d) a | 2439.3±874.4 | 2491.5±796.7 | 4462.0±3230.1 |

Abbreviations: BMI, body mass index; MSI, microsatellite instability; MSI-H, microsatellite instability-high; MSS/MSI-L, microsatellite stable/microsatellite instability-low; HR, hazard ratio; CI, confidence interval.

a Continuous variables presented as mean±SD (standard deviation).

For some variables, totals may not add up due to missing values.