

# SUPPLEMENTARY INFORMATION

## Telomere Length as a New Risk Marker of Early-Onset Colorectal Cancer

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**Supplementary Table S1.** Early-Onset colorectal cancer cases clinical data and their impact on telomere length.

Characteristic	Total (%)	TL Mean (kb)	p-Value
<b>Total</b>	87		
<b>Sex</b>			
Female	36 (41)	136	0.140
Male	51 (59)	114	
<b>Age at Diagnosis</b>			
<29 years	4 (5)	220.6	0.096
(30-39) years	15 (17)	98	
(40-50) years	68 (78)	122.1	
Mean (std), years	42.7 (6.2)		
Median (range), years	44 (23-49)		
<b>Body Mass Index (BMI)</b>			
Underweight (<18.5 kg/m <sup>2</sup> )	2 (2)	126	0.268
Normoweight (18.5-<25 kg/m <sup>2</sup> )	33 (38)	149	
Overweight (25-<30 kg/m <sup>2</sup> )	24 (28)	106	
Obese (>30 kg/m <sup>2</sup> )	11 (13)	113	
Unknown	17 (19)		
Mean (std), kg/m <sup>2</sup>	25.15 (5.4)		
Median (range), kg/m <sup>2</sup> 3	24.9 (15.6-43)		
<b>Tumor Stage at diagnosis</b>			
I	13 (15)	104	0.803
II	18 (21)	122	
III	32 (37)	122	
IV	22 (23)	129	
<b>Tumor Site</b>			
Right colon	20 (23)	112	0.472
Left colon	27 (31)	134	
Rectosigmoid junction/Rectum	40 (46)	119	
<b>Histological features*</b>			
Mucinous	13/59 (22)	118/124	0.812
"Signet ring" cells	4/59 (7)	113/123	0.820
Unknown	18 (21)		
<b>Grade of differentiation*</b>			
High	9 (10)	89	0.067
Medium	23 (26)	117	
Low	27 (31)	138.3	
Unknown	18 (21)		

Multiple Primary Neoplasms			
Synchronous colorectal cancer	3 (3)	61.8	0.065
Other Multiple Primary Neoplasms	8 (9)	125	0.584
Familial History of Colorectal Cancer			
Yes	19 (22)	145	0.345
No	60 (69)	120	
Unknown	8 (9)		
Sporadic cases			
Yes	39 (45)	113	0.126
No	43 (49)	136	
Unknown	5 (6)		

\* The remaining cases are those with only biopsy due to palliative conditions.