

S2. Characteristics of women with endometrial cancer subcategorized by age in decades

Factor	<= 40 yrs (N=103)	41 - 50 yrs (N=91)	51 - 60 yrs (N=357)	p-value
Race				0.030^c
White	88 (87.1)	72 (82.8)	319 (91.9)	
Non-white	13 (12.9)	15 (17.2) ³	28 (8.1) ²	
Insurance				<0.001^c
Private	73 (70.9)	64 (81.0)	287 (87.8)	
Others	30 (29.1) ³	15 (19.0)	40 (12.2) ¹	
Parity				<0.001^c
0	70 (68.0) ²³	41 (47.1) ¹³	104 (30.4) ¹²	
1 or more	33 (32.0)	46 (52.9)	238 (69.6)	
BMI (mean, SD)	38.8 ± 12.2 ³	36.0 ± 9.9	35.7 ± 10.0 ¹	0.031^a
Stage				0.93^c
Stage I-II	85 (87.6)	79 (86.8)	306 (86.2)	
Stage III-VI	12 (12.4)	12 (13.2)	49 (13.8)	
Histology				0.73^c
Endometrioid	94 (91.3)	79 (87.8)	318 (89.3)	
Non-endometrioid	9 (8.7)	11 (12.2)	38 (10.7)	
Grade				0.42^c
1	68 (67.3)	54 (63.5)	211 (61.3)	
2	26 (25.7)	22 (25.9)	85 (24.7)	
3	7 (6.9)	9 (10.6)	48 (14.0)	
Tumor size				0.73^c
< 2 cm	35 (34.0)	35 (38.5)	122 (34.2)	
≥ 2 cm	68 (66.0)	56 (61.5)	235 (65.8)	
Myometrial invasion				<0.001^c
None	52 (54.2) ³	38 (45.2)	103 (29.6) ¹	
< 50%	30 (31.3)	31 (36.9)	173 (49.7)	
≥ 50%	14 (14.6)	15 (17.9)	72 (20.7)	
Lower uterine segment*	28 (27.2) ²³	23 (25.3) ¹	78 (21.8) ¹	<0.001^c
LVSI	16 (16.8) ³	20 (22.0)	109 (30.9) ¹	0.012^c
Positive LN ≥1	4 (4.2)	6 (6.7)	35 (9.9)	0.17^c
Synchronous ovarian cancer present	9 (9.2) ³	1 (1.10)	2 (0.56) ¹	<0.001^d
Adjuvant treatment received	27 (26.2)	34 (37.4)	129 (36.1)	0.14^c
Chemotherapy	19 (18.4)	22 (24.2)	90 (25.2)	0.36^c
Pelvic radiation	11 (10.7)	16 (17.6)	53 (14.8)	0.38^c
Brachytherapy	16 (15.5)	24 (26.4)	90 (25.2)	0.099^c
MMR status				<0.001^c
MMR Intact	93 (91.2) ³	69 (78.4)	269 (76.2) ¹	
MMR Deficient				
MLH1 methylated	3 (2.9)	8 (9.1)	62 (17.6)	
MLH1 unmethylated	6 (5.9)	11 (12.5)	22 (6.2)	

Statistics presented as Mean ± SD, N (column %). p-values: a=ANOVA, c=Pearson's chi-square test, d=Fisher's Exact test.

¹: Significantly different from <= 40 yrs

²: Significantly different from 41 - 50 yrs

³: Significantly different from 51 - 60 yrs

*Status unknown ≤ 40 n=30, 41-50 n=10, 51-60 n=27

Post-hoc pairwise comparisons done using Bonferroni adjustment