

## Results

The current study included four major categories: malignant, borderline, benign and non-neoplastic cases. The non-neoplastic cases include 4 (50%) corpus luteum cysts and 4 (50%) follicular cysts.

The benign cases include: 9 (50%) serous adenoma, 9 (50%) mucinous adenoma. The

borderline cases include: 2 (50%) serous tumors, 1 (25%) mucinous tumors and 1 (25%) endometroid tumors. The malignant cases include: 26 (83.87%) serous tumors, 2 (6.45%) mucinous tumors and 3 (9.68%) endometroid tumors as seen in table 1.

**Table 1. Neoplastic cases**

Type	Benign		Borderline		Malignant		Total	
	No.	%	No.	%	No.	%	No.	%
Serous	9	50	2	50	26	83.87	37	69.81
Mucinous	9	50	1	25	2	6.45	12	22.64
Endometroid	0	0	1	25	3	9.68	4	7.54
Total	18	100	4	100	31	100	53	100

The mean age of non-neoplastic cases is (34.0±4.46) years. While, the mean age of benign cases is (31.44±1.96) years. In addition, the mean age of borderline cases is (51.75±4.3) years and the mean age of malignant cases is

(50.06±1.86). There is a significant difference in mean age of malignant and borderline cases in comparison with benign and non-neoplastic cases; ( $P < 0.001$ ) as shown in table 2.

**Table 2. Comparison of mean age among the neoplastic and non-neoplastic cases**

Group	No.	Mean Age	SEM
Non neoplastic	9	34.00	4.46
Benign	18	31.44	1.96
Borderline	4	51.75	4.30
Malignant	31	50.06	1.86

$P = < 0.001$

Malignant cases showed positive result in 30 cases out of 31 for P53. While the benign cases (18 cases) were negative for P53. Moreover, the

borderline cases (4 cases) were negative for p53 and the non-neoplastic cases (9 cases) were also negative for p53, (Table 3).

**Table 3. Immunohistochemical expression of P53**

P53 Results	Non neoplastic		Benign		Borderline		Malignant	
	No.	%	No.	%	No.	%	No.	%
Positive p53	0	0	0	0	0	0	30	96.8
Negative p53	9	100	18	100	4	100	1	3.2
Total	9	100	18	100	4	100	31	100

$P = < 0.001$