

Table (3) : Descriptive data of all studied cases

		Count	Percent. %
group	control	35	58.3%
	receiving TCs	25	41.7%
Age (year)	Mean \pm SD	32 \pm 8	
Sex	male	35	58.3%
	female	25	41.7%
residence	urban	35	58.3%
	rural	25	41.7%
History of nasal allergy	not present	26	43.3%
	present	34	56.7%
polyp	not present	30	50.0%
	present	30	50.0%

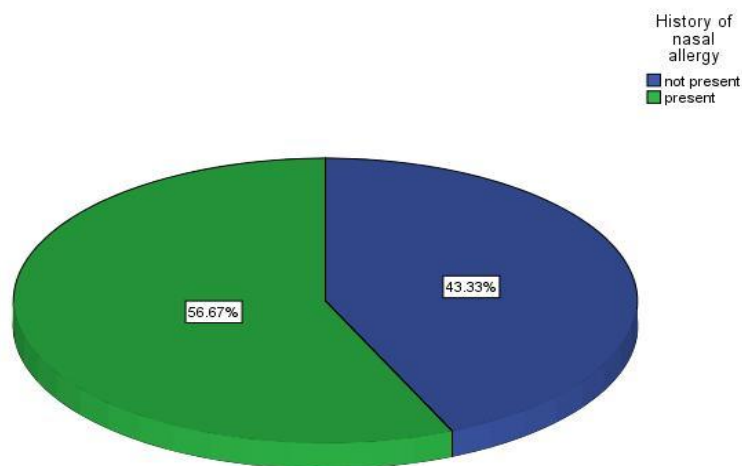


Fig (9): Descriptive data of all studied cases.

Table (4): Comparison between control group and test group

		Control		Test		Test value	p-value
		Cou nt	Perce n t. %	Co unt	Perce n t. %		
Age (year) Mean \pm SD		32 \pm 8		31 \pm 9		.553t	.583
Sex	male	20	57.1%	15	60.0%	.049x	.825
	female	15	42.9%	10	40.0%		
smoking	non-smoker	18	51.4%	11	44.0%	.322x	.570
	smoker	17	48.6%	14	56.0%		
residence	urban	21	60.0%	14	56.0%	.096x	.757
	rural	14	40.0%	11	44.0%		
History of nasal allergy	not present	15	42.9%	11	44.0%	.008x	.930
	present	20	57.1%	14	56.0%		
Total blood Loss (ml) Mean \pm SD		172 \pm 46		151 \pm 47		- 2.205 z	.027*
surgical field grade	Grade 1	1	2.9%	2	8.0%	8.737x	.033*
	Grade 2	10	28.6%	15	60.0%		
	Grade 3	21	60.0%	8	32.0%		
	Grade 4	3	8.6%	0	.0%		
Operation time(minute) Mean \pm SD		74 \pm 21		66 \pm 26		-2.31z	.021*
polyp	not present	17	48.6%	13	52.0%	.069x	.793
	present	18	51.4%	12	48.0%		

t tested by unpaired t-test

* significant at level of .05

z tested by Mann Whitney test

x tested by chi-square test

The table shows that patients receiving TCs have significant lower both blood loss and operation time than control group and have significant lower percentage of grade 3 surgical field and have no grade 4 surgical field when compared to control group. No significant difference regarding other data.

Results

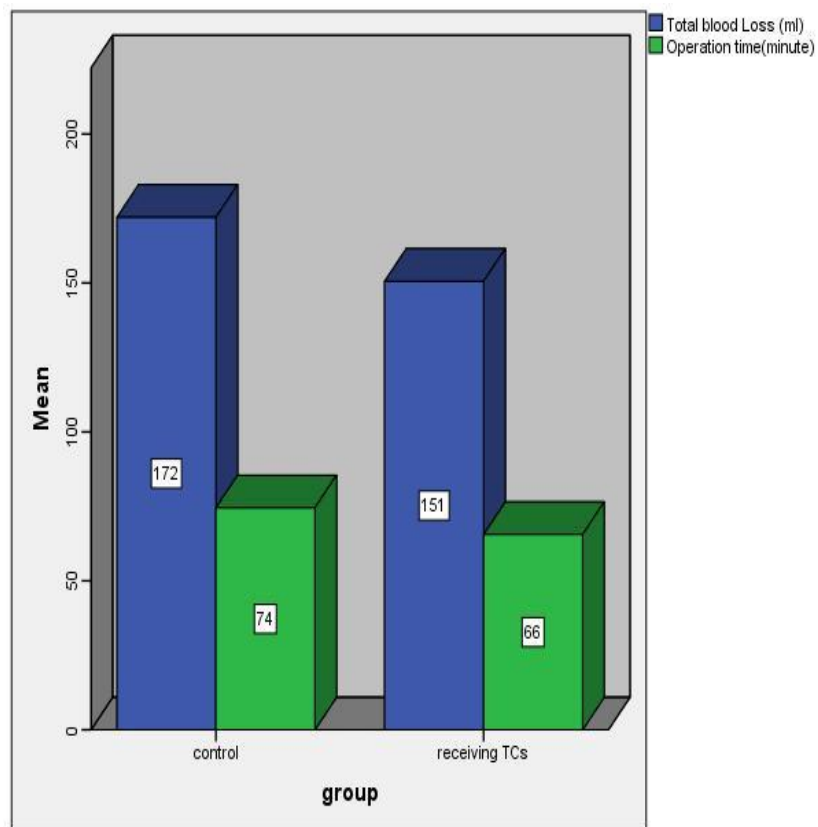


Fig (10): Comparison between control group and test group according to blood loss and operation time.

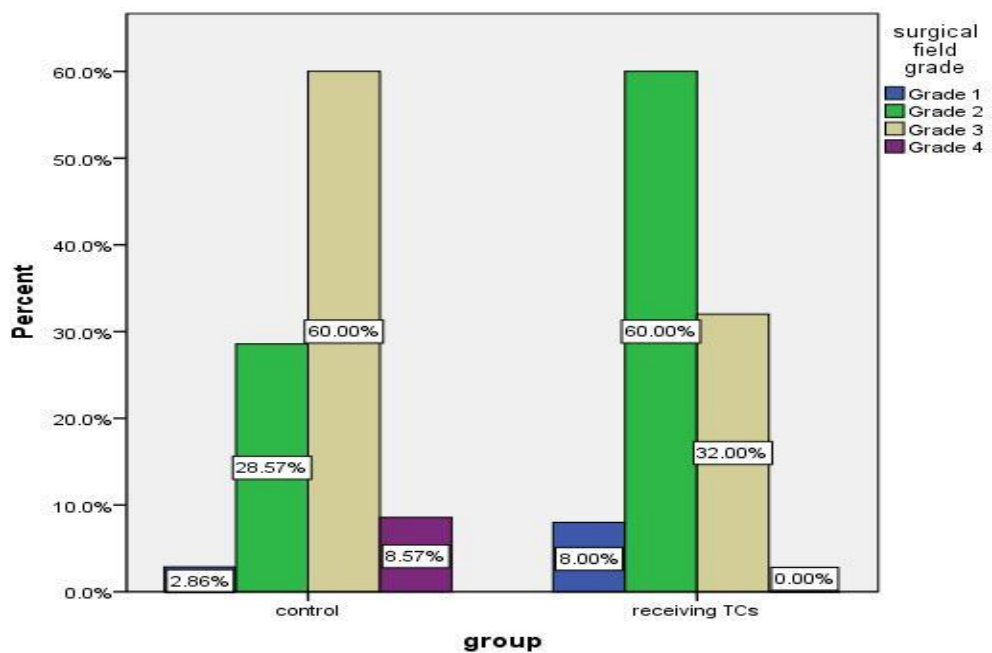


Fig (11): Comparison between control group and test group regarding surgical field.

Table (5): Comparison between control cases with nasal polyps and control cases

Without polyps		Nasal polyp				Test value	p-value
		not present		present			
		Cou nt	Percent. %	Coun t	Percent. %		
Age (year) Mean ± SD		32 ± 8		32 ± 8		-.226t	.822
Sex	male	9	52.9%	11	61.1%	.238x	.625
	female	8	47.1%	7	38.9%		
smoking	non-smoker	7	41.2%	11	61.1%	1.391x	.238
	smoker	10	58.8%	7	38.9%		
residence	urban	10	58.8%	11	61.1%	.019x	.890
	rural	7	41.2%	7	38.9%		
History of nasal allergy	not present	7	41.2%	8	44.4%	.038x	.845
	present	10	58.8%	10	55.6%		
Total blood Loss (ml) Mean ± SD		129 ± 11		213 ± 22		- 5.052z	<.001 **
surgical field grade	Grade 1	1	5.9%	0	.0%	8.769x	.033*
	Grade 2	8	47.1%	2	11.1%		
	Grade 3	8	47.1%	13	72.2%		
	Grade 4	0	.0%	3	16.7%		
Operation time(minute) Mean ± SD		56 ± 4		92 ± 15		- 5.052z	<.001 **

t tested by unpaired t-test

* significant at level of .05

z tested by Mann Whitney test

** significant at level of .001

x tested by chi-square test

The table shows that control cases without nasal polyps have significant lower both blood loss and operation time than control group with nasal polyps and have significant lower percentage of grade 3 surgical field and have no grade 4 surgical field when compared to control group with nasal polyps. No significant difference regarding other data.

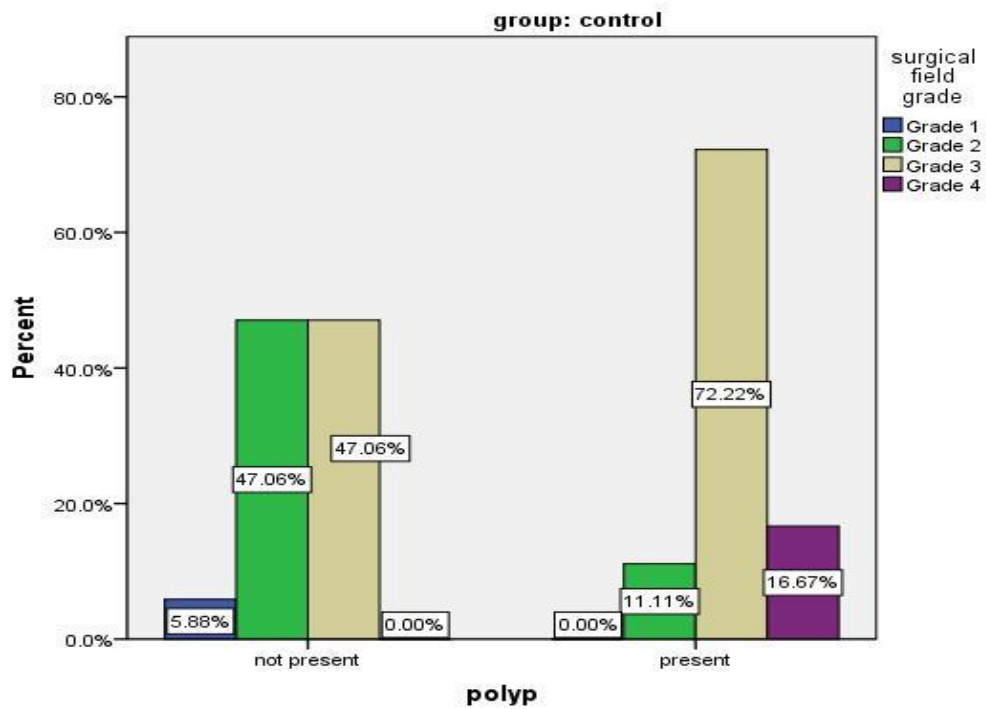


Fig (12): Comparison between control cases with nasal polyps and control Cases without Polyps regarding surgical field.

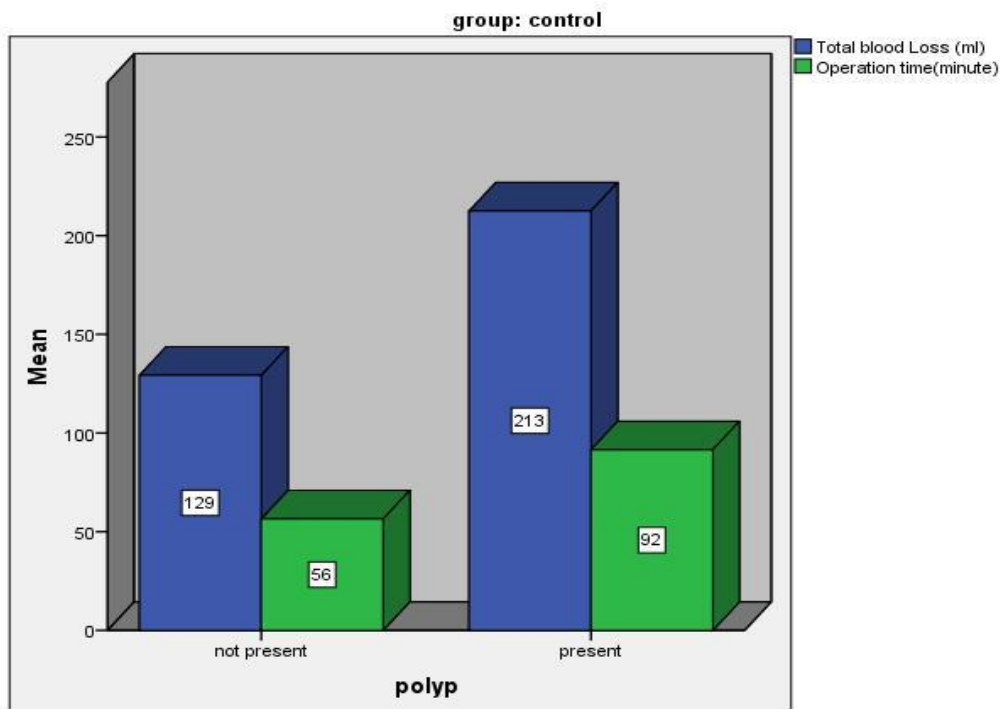


Fig (13): Comparison between control cases with nasal polyps and control cases without Polyps regarding blood loss

Table (6): Comparison between Test cases with nasal polyp and Test cases without Polyps

		polyp				Test value	p-value
		not present		present			
		Cou nt	Percent. %	Coun t	Percent. %		
Age (year) Mean ± SD		31 ± 8		31 ±10		-.104t	.918
Sex	male	8	61.5%	7	58.3%	.027X	.87
	female	5	38.5%	5	41.7%		
smoking	non-smoker	5	38.5%	6	50.0%	.337X	.561
	smoker	8	61.5%	6	50.0%		
residence	urban	7	53.8%	7	58.3%	.051X	.821
	rural	6	46.2%	5	41.7%		
History of nasal allergy	not present	6	46.2%	5	41.7%	.051X	.821
	present	7	53.8%	7	58.3%		
Total blood Loss (ml) Mean ± SD		110 ± 11		195 ± 24		-4.245z	<.001**
surgical field grade	Grade 1	0	.0%	2	16.7%	2.531X	.282
	Grade 2	8	61.5%	7	58.3%		
	Grade 3	5	38.5%	3	25.0%		
	Grade 4	0	.0%	0	.0%		
Operation time(minute) Mean ± SD		49 ± 5		84 ± 28		-4.245z	<.001**

t tested by unpaired t-test

* significant at level of .05

z tested by Mann Whitney test

** significant at level of .001

x tested by chi-square test

The table shows that TCs cases without nasal polyps have significant lower both blood loss and operation time than TCs cases with nasal polyps. No significant difference regarding surgical field grades or other data.

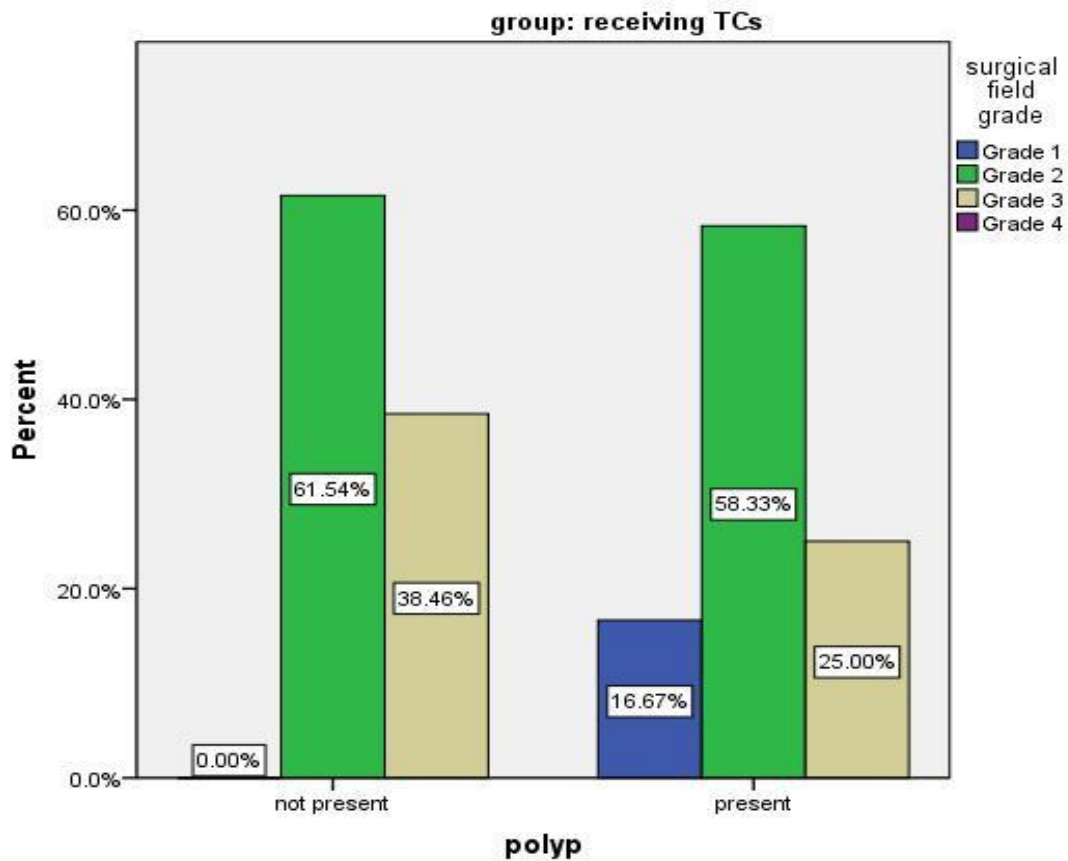


Fig (14): Comparison between test cases with nasal polyps and test cases without Polyps regarding surgical field.

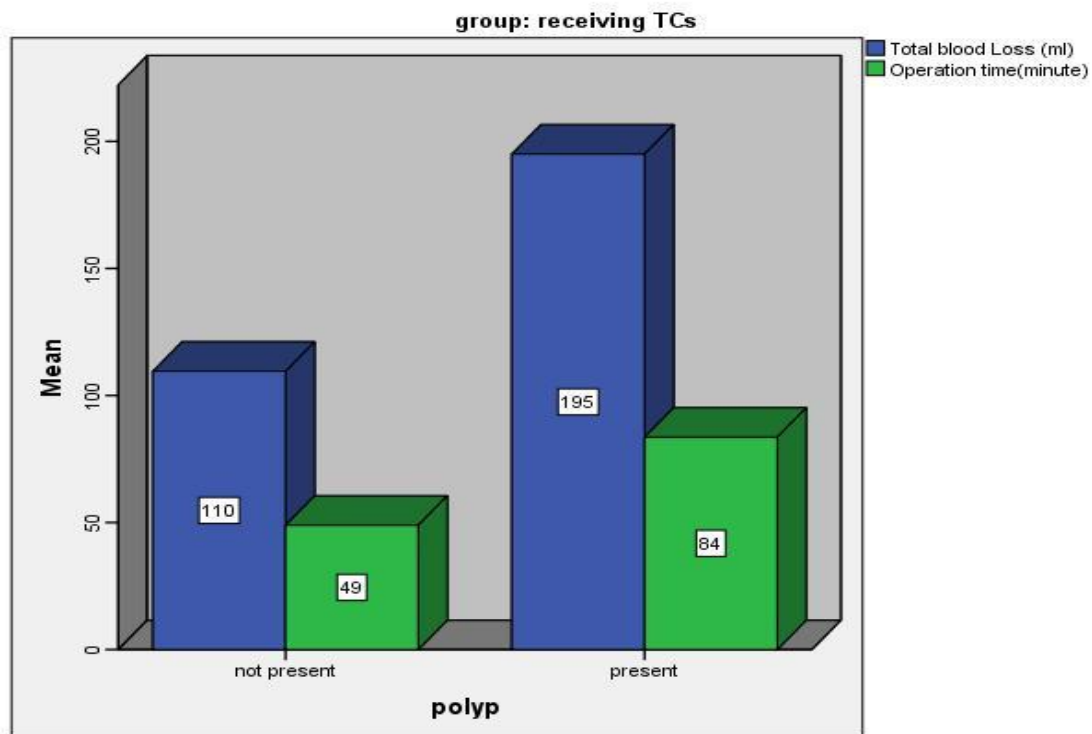


Fig (15): Comparison between test droup with nasal polyps andtet group without Polyps regarding blood loss and operation time.

Results

Table (7): Comparison between control cases without nasal polyps and Test cases without Polyps.

		group				Test value	p-value
		Control		Test			
		Cou nt	Percent . %	Cou nt	Percent. %		
Age (year) Mean ± SD		32 ± 8		31 ± 8		.358t	.723
Sex	male	9	52.9%	8	61.5%	.222x	.638
	female	8	47.1%	5	38.5%		
smoking	non-smoker	7	41.2%	5	38.5%	.023x	.880
	smoker	10	58.8%	8	61.5%		
residence	urban	10	58.8%	7	53.8%	.074x	.785
	rural	7	41.2%	6	46.2%		
History of nasal allergy	not present	7	41.2%	6	46.2%	.074x	.785
	present	10	58.8%	7	53.8%		
Total blood Loss (ml) Mean ± SD		129 ± 11		110 ± 11		- 3.623 z	<.001**
surgical field grade	Grade 1	1	5.9%	0	.0%	1.180x	.55
	Grade 2	8	47.1%	8	61.5%		
	Grade 3	8	47.1%	5	38.5%		
	Grade 4	0	.0%	0	.0%		
Operation time(minute) Mean ± SD		56 ± 4		49 ± 5		- 3.418 z	.001**

tested by unpaired t-test

* significant at level of .05

z tested by Mann Whitney test

** significant at level of .001

x tested by chi-square test

The table shows that topical corticosteroids cases without nasal polyps have significant lower blood loss, operation time and better surgical field than control cases without nasal polyps.

Results

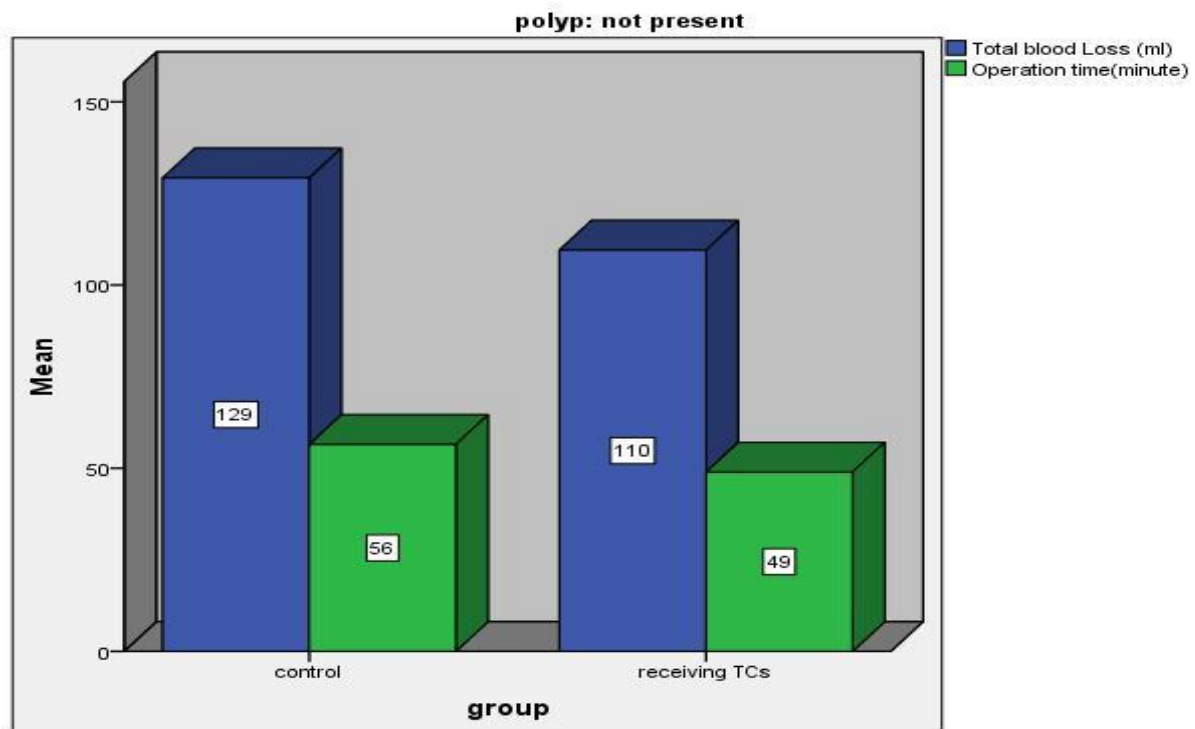


Fig (16): Comparison between control cases without nasal polyps and test group without polyps regarding blood loss and operation time.

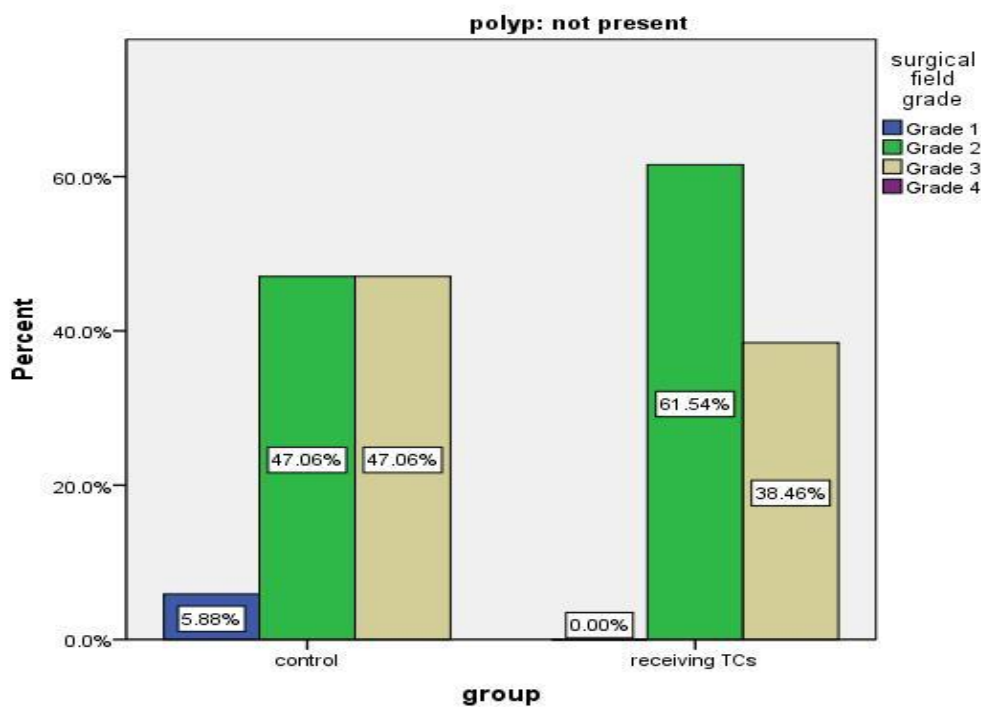


Fig (17): Comparison between control cases without nasal polyps and test group without polyps regarding surgical field.

Results

Table (8): Comparison between control cases with nasal polyps and Test cases with nasal Polyps.

		group				Test value	p-value
		Control		Receiving TCs			
		Cou nt	Percent .%	Cou nt	Percent. %		
Age (year) Mean ± SD		32 ± 8		31 ± 10		.399t	.693
Sex	male	11	61.1%	7	58.3%	.023x	.879
	female	7	38.9%	5	41.7%		
smoking	non-smoker	11	61.1%	6	50.0%	.362x	.547
	smoker	7	38.9%	6	50.0%		
residence	urban	11	61.1%	7	58.3%	.023x	.879
	rural	7	38.9%	5	41.7%		
History of nasal allergy	not present	8	44.4%	5	41.7%	.023x	.879
	present	10	55.6%	7	58.3%		
Total blood Loss (ml) Mean ± SD		213 ± 22		195 ± 24		- 1.927 z	.054
surgical field grade	Grade 1	0	.0%	2	16.7%	- 3.418 X	.004**
	Grade 2	2	11.1%	7	58.3%		
	Grade 3	13	72.2%	3	25.0%		
	Grade 4	3	16.7%	0	.0%		
Operation time(minute) Mean ± SD		92 ± 15		84 ± 28		- 2.014 z	.044*

t tested by unpaired t-test

* significant at level of .05

z tested by Mann Whitney test

** significant at level of .001

x tested by chi-square test

The table shows that patients with nasal polyps receiving TCs have significant lower both blood loss and operation time than control group with nasal polyps and have significant lower percentage of grade 3 surgical field and have no grade 4 surgical field when compared to control group. No significant difference regarding other data.

Results

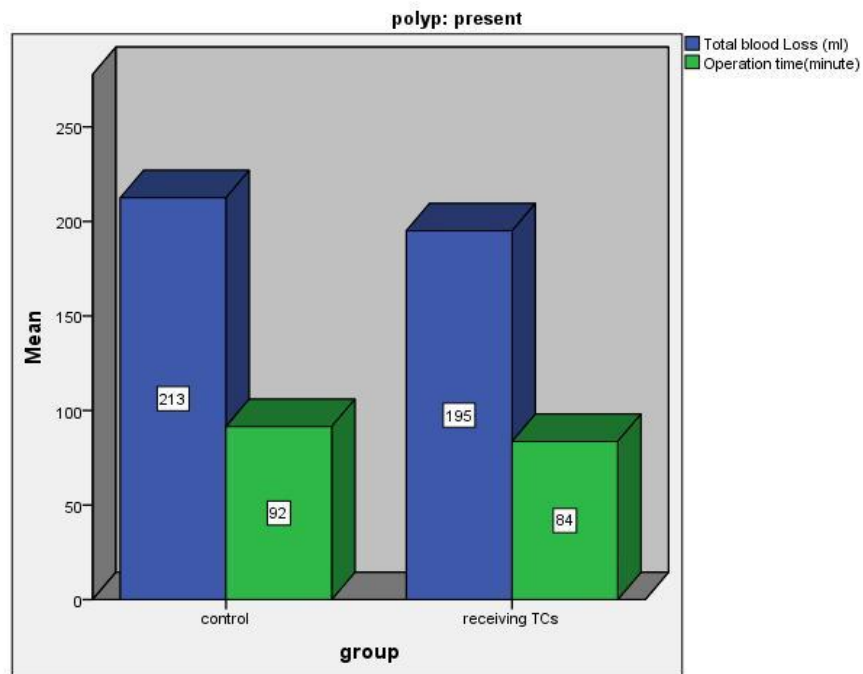


Fig (18): Comparison between control cases with nasal polyp and test group with nasal regarding blood loss and operation time.

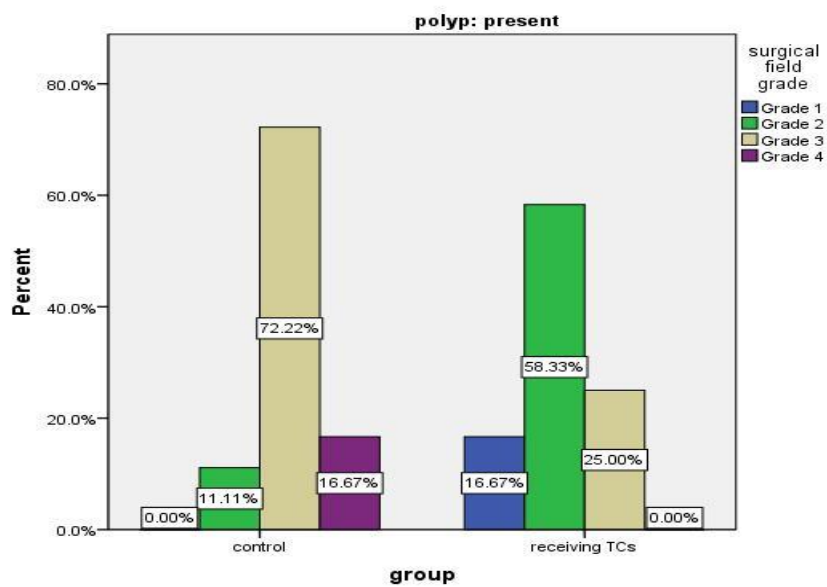


Fig (19): Comparison between control cases with nasal polyp and test group with nasal regarding surgical field.