

Table 1: Sociodemographic characteristics of studied populations

Variable	Summary statistics
Age/years	
Mean $\pm$ SD	34.16 $\pm$ 8.02
Median (range)	35 (21-45)
Gender	
Females	12 (23.53%)
Males	38(76.47%)
Residence	
Rural	40 (80.39%)
Urban	10 (19.61%)
Work status	
Not work for cash	17 (33.33%)
Work for cash	33 (66.67%)
Marital status	
Single	15 (29.41%)
Married	33 (66.67%)
Divorced	2 (3.92%)

Table 2 Mean scores of scales of physical component summary of the KDQOL-SF instrument among studied populations

Variable	Mean $\pm$ SD	Median	Min	Max
General health	83.36 $\pm$ 16.63	90	45	100
Physical function	92.35 $\pm$ 6.95	95	80	400
Bodily pain	87.21 $\pm$ 20.40	100	45	100
Role physical function	80.88 $\pm$ 32.40	100	0	100
Physical component summary (PCS)	85.91 $\pm$ 16.94	92.5	42.5	100

Table 3 Mean scores of scales of mental component summary of the KDQOL-SF instrument among studied populations

Variable	Mean $\pm$ SD	Median	Min	Max
Fatigue/energy	85.43 $\pm$ 18.83	95	40	100
Emotional well being	90.99 $\pm$ 14.31	100	40	100
Role emotional	86.60 $\pm$ 31.33	100	0	100
Social function	88.15 $\pm$ 19.59	100	33.3	100
Mental component summary (MCS)	87.79 $\pm$ 16.47	97.5	35.95	100

Table 4 : Mean scores of scales of kidney disease component summary of the KDQOL-SF instrument among studied populations

Variable	Mean $\pm$ SD	Median	Min	Max
Symptoms problem list	96.61 $\pm$ 4.12	497.7	79.54	100
Effect of kidney disease on quality life	95.67 $\pm$ 7.44	100	67.85	100
Burden of kidney disease	86.63 $\pm$ 19.80	100	31.25	100
Sleep	97.72 $\pm$ 8.83	100	43.75	100
Social support	95.41 $\pm$ 11.13	100	49.8	100
Work status	66.67 $\pm$ 42.03	100	0	100
Satisfaction	44.71 $\pm$ 17.36	55	25	70
Sexual	94.12 $\pm$ 20.47	100	0	100
Encouragement	82.35 $\pm$ 21.96	100	50	100
Cognitive function	96.59 $\pm$ 9.38	100	53.3	100
Quality of social interest	97.38 $\pm$ 6.56	100	73.3	100
Kidney disease component summary (KDS)	86.31 $\pm$ 8.66	87.1	55.98	97.2
Total QOL score	86.6 $\pm$ 12.05	92.7	46.47	98.5

In our study we searched for factors affecting quality of life after renal transplantation

Table 5 Impact of gender on the three component summary of the KDQOL-SF instrument among studied populations

Variable	Gender		P value
	Females N=12	Males N=38	
Physical component summary (PCS) Mean $\pm$ SD Median (range)	96.7 $\pm$ 3.76 97.9 (90-100)	82.59 $\pm$ 18.05 90 (42.5-98.7)	0.01
Mental component summary (MCS) Mean $\pm$ SD Median (range)	89.42 $\pm$ 12.65 97.7 (66.2-100)	87.29 $\pm$ 17.60 95 (35.95-100)	0.70
Kidney disease component summary (KDS) Mean $\pm$ SD Median (range)	82.62 $\pm$ 9.63 84.85 (63.4-95.7)	87.45 $\pm$ 8.03 88.4 (55.98-97.2)	0.09
Total QOL score Mean $\pm$ SD Median (range)	91.05 $\pm$ 5.24 93.40 (80.1-98.5)	85.71 $\pm$ 13.27 91.5 (46.47-98.2)	0.18

Table 6: Impact of residence on the three component summary of the KDQOL-SF instrument among studied populations

Variable	Residence		P value
	Rural N=40	Urban N=10	
Physical component summary (PCS)			
Mean $\pm$ SD	83.96 $\pm$ 18.33	93.9 $\pm$ 3.83	0.10
Median (range)	91.25 (42.5-100)	95 (88.7-100)	
Mental component summary (MCS)			
Mean $\pm$ SD	85.53 $\pm$ 17.42	97.04 $\pm$ 6.32	0.046
Median (range)	92 (35.95-100)	100 (80-100)	
Kidney disease component summary (KDS)			
Mean $\pm$ SD	84.98 $\pm$ 8.71	91.79 $\pm$ 6.22	0.02
Median (range)	85.5 (55.98-97)	95.5 (81.2-97.2)	
Total QOL score			
Mean $\pm$ SD	85.19 $\pm$ 12.70	94.22 $\pm$ 4.02	0.03
Median (range)	88.1 (46.47-98.2)	95.3 (85.9-98.5)	

Table 7 Impact of marital status on the three component summary of the KDQOL-SF instrument among studied populations

Variable	Marital status		P value
	Married N=33	Unmarried N=17	
Physical component summary (PCS)			
Mean $\pm$ SD	83.22 $\pm$ 18.34	91.28 $\pm$ 12.54	0.11
Median (range)	91.88 (42.5-100)	94.3 (47.5-100)	
Mental component summary (MCS)			
Mean $\pm$ SD	87.67 $\pm$ 16.44	88.02 $\pm$ 17.02	0.94
Median (range)	97.7 (50-100)	93.5 (35.95-100)	
Kidney disease component summary (KDS)			
Mean $\pm$ SD	88.08 $\pm$ 6.58	82.78 $\pm$ 11.21	0.04
Median (range)	88.05 (74.5-97.2)	85.5 (55.98-95.7)	
Total QOL score			
Mean $\pm$ SD	86.024 $\pm$ 12.33	88.40 $\pm$ 11.69	0.55
Median (range)	92.85 (58.69-98.2)	89.04 (46.47-98.5)	

Table 8 Impact of work status on the three component summary of the KDQOL-SF instrument among studied populations

Variable	Work status		P value
	Not work for cash N=17	Work for cash N=33	
Physical component summary (PCS)			
Mean $\pm$ SD	88.02 $\pm$ 16.19	84.86 $\pm$ 17.45	0.54
Median (range)	96.6 (47.5-100)	92.5 (42.5-100)	
Mental component summary (MCS)			
Mean $\pm$ SD	82.49 $\pm$ 16.92	90.44 $\pm$ 15.84	0.11
Median (range)	80.8 (35.95-100)	98.3 (50-100)	
Kidney disease component summary (KDS)			
Mean $\pm$ SD	78.84 $\pm$ 9.08	90.05 $\pm$ 5.54	<0.0001
Median (range)	82.29 (55.98-87.3)	90.2 (74.5-97.2)	
Total QOL score			
Mean $\pm$ SD	84.13 $\pm$ 12.43	88.38 $\pm$ 11.78	0.28
Median (range)	87.5 (46.47-94.8)	93.6 (58.69-98.5)	

Table9 : Correlation between independent variable (age, duration of dialysis, duration of transplant, and serum creatinine after transplant) and the three component summary of the KDQOL-SF instrument among studied populations

Variable	PCS		MCS		KDS		Total QOL score	
	R	p	R	P	r	p	r	P
Age	-0.50	0.0002	-0.22	0.11	0.25	0.07	-0.32	0.02
Duration of dialysis	0.16	0.27	0.14	0.34	0.08	0.58	0.14	0.32
Duration of transplant	-0.81	<0.0001	-0.71	<0.0001	-0.24	0.08	-0.78	<0.0001
Serum creatinine	-0.71	<0.0001	-0.57	<0.0001	-0.25	0.08	-0.67	<0.0001

Table 10 Lab investigation before and after transplant

Variable	Before transplant	After transplant	P value
WBCs			
Mean ± SD	9.60±3.43	7.95±1.86	0.004
Median (range)	10 (3.9-17.5)	8 (3.5-11.4)	
HBG			
Mean ± SD	8.0±1.20	12.44±1.76	<0.0001
Median (range)	8 (5.5-10.6)	12.3 (10-17.7)	
Platelets			
Mean ± SD	194.25±67.82	232.27±33.47	<0.0001
Median (range)	194 (120-440)	230 (166-290)	
Serum creatinine			
Mean ± SD	12.03±3.97	1.55±0.54	<0.0001
Median (range)	11 (6.4-30)	1.5 (0.7-2.5)	