Table 1: Sociodemographic characteristics of studied populations

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

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

<table>
<thead>
<tr>
<th>Variable</th>
<th>Mean ± SD</th>
<th>Median</th>
<th>Min</th>
<th>Max</th>
</tr>
</thead>
<tbody>
<tr>
<td>General health</td>
<td>83.36±16.63</td>
<td>90</td>
<td>45</td>
<td>100</td>
</tr>
<tr>
<td>Physical function</td>
<td>92.35±6.95</td>
<td>95</td>
<td>80</td>
<td>400</td>
</tr>
<tr>
<td>Bodily pain</td>
<td>87.21±20.40</td>
<td>100</td>
<td>45</td>
<td>100</td>
</tr>
<tr>
<td>Role physical function</td>
<td>80.88±32.40</td>
<td>100</td>
<td>0</td>
<td>100</td>
</tr>
<tr>
<td>Physical component summary (PCS)</td>
<td>85.91±16.94</td>
<td>92.5</td>
<td>42.5</td>
<td>100</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Variable</th>
<th>Mean ± SD</th>
<th>Median</th>
<th>Min</th>
<th>Max</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fatigue/energy</td>
<td>85.43±18.83</td>
<td>95</td>
<td>40</td>
<td>100</td>
</tr>
<tr>
<td>Emotional well being</td>
<td>90.99±14.31</td>
<td>100</td>
<td>40</td>
<td>100</td>
</tr>
<tr>
<td>Role emotional</td>
<td>86.60±31.33</td>
<td>100</td>
<td>0</td>
<td>100</td>
</tr>
<tr>
<td>Social function</td>
<td>88.15±19.59</td>
<td>100</td>
<td>33.3</td>
<td>100</td>
</tr>
<tr>
<td>Mental component summary (MCS)</td>
<td>87.79±16.47</td>
<td>97.5</td>
<td>35.95</td>
<td>100</td>
</tr>
</tbody>
</table>
Table 4: Mean scores of scales of kidney disease component summary of the KDQOL-SF instrument among studied populations

<table>
<thead>
<tr>
<th>Variable</th>
<th>Mean ± SD</th>
<th>Median</th>
<th>Min</th>
<th>Max</th>
</tr>
</thead>
<tbody>
<tr>
<td>Symptoms problem list</td>
<td>96.61±4.12</td>
<td>497.7</td>
<td>79.54</td>
<td>100</td>
</tr>
<tr>
<td>Effect of kidney disease on quality life</td>
<td>95.67±7.44</td>
<td>100</td>
<td>67.85</td>
<td>100</td>
</tr>
<tr>
<td>Burden of kidney disease</td>
<td>86.63±19.80</td>
<td>100</td>
<td>31.25</td>
<td>100</td>
</tr>
<tr>
<td>Sleep</td>
<td>97.72±8.83</td>
<td>100</td>
<td>43.75</td>
<td>100</td>
</tr>
<tr>
<td>Social support</td>
<td>95.41±11.13</td>
<td>100</td>
<td>49.8</td>
<td>100</td>
</tr>
<tr>
<td>Work status</td>
<td>66.67±42.03</td>
<td>100</td>
<td>0</td>
<td>100</td>
</tr>
<tr>
<td>Satisfaction</td>
<td>44.71±17.3</td>
<td>55</td>
<td>25</td>
<td>70</td>
</tr>
<tr>
<td>Sexual</td>
<td>94.12±20.47</td>
<td>100</td>
<td>0</td>
<td>100</td>
</tr>
<tr>
<td>Encouragement</td>
<td>82.35±21.96</td>
<td>100</td>
<td>50</td>
<td>100</td>
</tr>
<tr>
<td>Cognitive function</td>
<td>96.59±9.38</td>
<td>100</td>
<td>53.3</td>
<td>100</td>
</tr>
<tr>
<td>Quality of social interest</td>
<td>97.38±6.56</td>
<td>100</td>
<td>73.3</td>
<td>100</td>
</tr>
<tr>
<td>Kidney disease component summary (KDS)</td>
<td>86.31±8.66</td>
<td>87.1</td>
<td>55.98</td>
<td>97.2</td>
</tr>
<tr>
<td>Total QOL score</td>
<td>86.6±12.05</td>
<td>92.7</td>
<td>46.47</td>
<td>98.5</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Variable</th>
<th>Females N=12</th>
<th>Males N=38</th>
<th>P value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical component summary (PCS)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mean ± SD</td>
<td>96.7±3.76</td>
<td>82.59±18.05</td>
<td>0.01</td>
</tr>
<tr>
<td>Median (range)</td>
<td>97.9 (90-100)</td>
<td>90 (42.5-98.7)</td>
<td></td>
</tr>
<tr>
<td>Mental component summary (MCS)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mean ± SD</td>
<td>89.42±12.65</td>
<td>87.29±17.60</td>
<td>0.70</td>
</tr>
<tr>
<td>Median (range)</td>
<td>97.7 (66.2-100)</td>
<td>95 (35.95-100)</td>
<td></td>
</tr>
<tr>
<td>Kidney disease component summary (KDS)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mean ± SD</td>
<td>82.62±9.63</td>
<td>87.45±8.03</td>
<td>0.09</td>
</tr>
<tr>
<td>Median (range)</td>
<td>84.85 (63.4-95.7)</td>
<td>88.4 (55.98-97.2)</td>
<td></td>
</tr>
<tr>
<td>Total QOL score</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mean ± SD</td>
<td>91.05±5.24</td>
<td>85.71±13.27</td>
<td>0.18</td>
</tr>
<tr>
<td>Median (range)</td>
<td>93.40 (80.1-98.5)</td>
<td>91.5 (46.47-98.2)</td>
<td></td>
</tr>
</tbody>
</table>
Table 6: Impact of residence on the three component summary of the KDQOL-SF instrument among studied populations

<table>
<thead>
<tr>
<th>Variable</th>
<th>Residence</th>
<th>P value</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Rural N=40</td>
<td>Urban N=10</td>
</tr>
<tr>
<td>Physical component summary (PCS)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mean ± SD</td>
<td>83.96±18.33</td>
<td>93.9±3.83</td>
</tr>
<tr>
<td>Median (range)</td>
<td>91.25 (42.5-100)</td>
<td>95 (88.7-100)</td>
</tr>
<tr>
<td>Mental component summary (MCS)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mean ± SD</td>
<td>85.53±17.42</td>
<td>97.04±6.32</td>
</tr>
<tr>
<td>Median (range)</td>
<td>92 (35.95-100)</td>
<td>100 (80-100)</td>
</tr>
<tr>
<td>Kidney disease component summary (KDS)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mean ± SD</td>
<td>84.98±8.71</td>
<td>91.79±6.22</td>
</tr>
<tr>
<td>Median (range)</td>
<td>85.5 (55.98-97)</td>
<td>95.5 (81.2-97.2)</td>
</tr>
<tr>
<td>Total QOL score</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mean ± SD</td>
<td>85.19±12.70</td>
<td>94.22±4.02</td>
</tr>
<tr>
<td>Median (range)</td>
<td>88.1 (46.47-98.2)</td>
<td>95.3 (85.9-98.5)</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Variable</th>
<th>Marital status</th>
<th>P value</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Married N=33</td>
<td>Unmarried N=17</td>
</tr>
<tr>
<td>Physical component summary (PCS)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mean ± SD</td>
<td>83.22±18.34</td>
<td>91.28±12.54</td>
</tr>
<tr>
<td>Median (range)</td>
<td>91.88 (42.5-100)</td>
<td>94.3 (47.5-100)</td>
</tr>
<tr>
<td>Mental component summary (MCS)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mean ± SD</td>
<td>87.67±16.44</td>
<td>84.86±17.02</td>
</tr>
<tr>
<td>Median (range)</td>
<td>97.7 (50-100)</td>
<td>93.5 (35.95-100)</td>
</tr>
<tr>
<td>Kidney disease component summary (KDS)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mean ± SD</td>
<td>88.08±6.58</td>
<td>82.78±11.21</td>
</tr>
<tr>
<td>Median (range)</td>
<td>88.05 (47.5-97.2)</td>
<td>85.5 (55.98-95.7)</td>
</tr>
<tr>
<td>Total QOL score</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mean ± SD</td>
<td>86.02±12.33</td>
<td>84.40±11.69</td>
</tr>
<tr>
<td>Median (range)</td>
<td>92.85 (58.69-98.2)</td>
<td>89.04 (46.47-98.5)</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Variable</th>
<th>Work status</th>
<th>P value</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Not work for cash N=17</td>
<td>Work for cash N=33</td>
</tr>
<tr>
<td>Physical component summary (PCS)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mean ± SD</td>
<td>88.02±16.19</td>
<td>84.86±17.45</td>
</tr>
<tr>
<td>Median (range)</td>
<td>96.6 (47.5-100)</td>
<td>92.5 (42.5-100)</td>
</tr>
<tr>
<td>Mental component summary (MCS)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mean ± SD</td>
<td>82.49±16.92</td>
<td>90.44±15.84</td>
</tr>
<tr>
<td>Median (range)</td>
<td>80.8 (35.95-100)</td>
<td>98.3 (50-100)</td>
</tr>
<tr>
<td>Kidney disease component summary (KDS)</td>
<td></td>
<td>&lt;0.0001</td>
</tr>
<tr>
<td>Mean ± SD</td>
<td>78.84±9.08</td>
<td>90.05±5.54</td>
</tr>
<tr>
<td>Median (range)</td>
<td>82.29 (55.98-87.3)</td>
<td>90.2 (74.5-97.2)</td>
</tr>
<tr>
<td>Total QOL score</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mean ± SD</td>
<td>84.13±12.43</td>
<td>88.38±11.78</td>
</tr>
<tr>
<td>Median (range)</td>
<td>87.5 (46.47-94.8)</td>
<td>93.6 (58.69-98.5)</td>
</tr>
</tbody>
</table>

Table 9: 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
<table>
<thead>
<tr>
<th>Variable</th>
<th>PCS</th>
<th>MCS</th>
<th>KDS</th>
<th>Total QOL score</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>R</td>
<td>P</td>
<td>R</td>
<td>P</td>
</tr>
<tr>
<td>Age</td>
<td>-0.50</td>
<td>0.0002</td>
<td>-0.22</td>
<td>0.11</td>
</tr>
<tr>
<td>Duration of dialysis</td>
<td>0.16</td>
<td>0.27</td>
<td>0.14</td>
<td>0.34</td>
</tr>
<tr>
<td>Duration of transplant</td>
<td>-0.81</td>
<td>&lt;0.0001</td>
<td>-0.71</td>
<td>&lt;0.0001</td>
</tr>
<tr>
<td>Serum creatinine</td>
<td>-0.71</td>
<td>&lt;0.0001</td>
<td>-0.57</td>
<td>&lt;0.0001</td>
</tr>
</tbody>
</table>

Table 10 Lab investigation before and after transplant

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