

Article title: Effect of depression on health-related quality of life of renal patients according to the modality of renal replacement therapy

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Supplementary Table 1 Differences in sociodemographic, clinical and psychological characteristics between hemodialysis, peritoneal dialysis and transplant patients.

| Variables | Renal replacement therapy modality | | | p |
|---|------------------------------------|------------------------------------|------------------------|-----------------------|
| | Hemodialysis (n = 112) | Peritoneal dialysis (n = 44) | Transplant (n = 73) | |
| Age (years) Mean ± SD | 62.3 ± 15.5 | 62.5 ± 14.1 | 55.7 ± 10.5 | 0.004 ^{a,b} |
| Sex | | | | 0.101 |
| Male | 79 (70.5) | 24 (54.5) | 43 (58.9) | |
| Female | 33 (29.5) | 20 (45.5) | 30 (41.1) | |
| Educational Level | | | | 0.101 |
| No studies/primary | 68 (60.7) | 26 (59.1) | 33 (45.2) | |
| Secondary/university | 44 (39.3) | 18 (40.9) | 40 (54.8) | |
| Marital status | | | | 0.020 ^c |
| Single/separated or divorced/widowed | 51 (45.5) | 10 (22.7) | 24 (32.9) | |
| Married/living with a stable partner | 61 (54.5) | 34 (77.3) | 49 (67.1) | |
| Socioeconomic level | | | | 0.818 |
| Low/middle-low | 34 (30.4) | 13 (29.5) | 25 (34.3) | |
| Middle-middle/ middle-upper/upper | 78 (69.6) | 31 (70.5) | 48 (65.7) | |
| Body Mass Index | | | | 0.696 |
| < 18.5 | 3 (2.8) | 0 (0.0) | 2 (3.0) | |
| 18.5 – 24.99 | 45 (41.7) | 13 (29.5) | 23 (34.9) | |
| 25.00 – 29.99 | 39 (36.1) | 20 (45.5) | 26 (39.4) | |
| ≥ 30 | 21 (19.4) | 11 (25.0) | 15 (22.7) | |
| Physical activity | | | | 0.017 ^c |
| Sufficiently active (BPAAT ≥ 4) | 40 (37.0) | 26 (60.5) | 38 (52.1) | |
| Insufficiently active (BPAAT < 4) | 68 (63.0) | 17 (39.5) | 35 (47.9) | |
| Previous failed kidney transplants | | | | 0.479 |
| No | 66 (71.7) | 34 (79.1) | 53 (79.1) | |
| Yes | 26 (28.3) | 9 (20.9) | 14 (20.9) | |
| Charlson Comorbidity Index Mean ± SD | 4.0 ± 2.0 | 3.6 ± 1.5 | 3.2 ± 1.5 | 0.007 ^a |
| Hematocrit (%) Mean ± SD | 35.0 ± 3.5 | 34.6 ± 3.9 | 40.2 ± 5.8 | <0.001 ^{a,b} |
| Depression | | | | 0.144 |
| No depression (BDI-II < 16) | 81 (72.3) | 37 (84.1) | 57 (82.6) | |
| Depression (BDI-II ≥ 16) | 31 (27.7) | 7 (15.9) | 12 (17.4) | |

Note. Data are presented as n (%) except specification. BDI-II = Beck Depression Inventory II; BPAAT = Brief Physical Activity Assessment Tool

^acompared the transplant group with the hemodialysis group $p < 0.05$

^bcompared the transplant group with the peritoneal dialysis group $p < 0.05$

^ccompared the hemodialysis group with the peritoneal dialysis group $p < 0.05$

Comentado [1]: LE:?? do you mean “comparing”?? if so, change in all points of the text.

Supplementary Table 2 Final general linear models for dimensions and components of SF-36.

| SF-36 dimensions | Predictors | B | 95% CI (B) | | p | R ² adjusted |
|--|---|---------------------------|------------|--------|--------|-------------------------|
| Physical Functioning | Hemodialysis ^a | -0.325 | -0.689 | 0.039 | 0.080 | 0.312 |
| | Peritoneal dialysis ^a | -0.598 | -1.032 | -0.164 | 0.007 | |
| | Sufficient physical activity (BPAAT ≥ 4) | 0.945 | 0.664 | 1.226 | <0.001 | |
| | Age (years) | 0.024 | 0.014 | 0.034 | <0.001 | |
| | Comorbidity | -0.104 | -0.181 | -0.028 | 0.008 | |
| | Depression (BDI-II ≥ 16) | -1.432 | -2.064 | -0.800 | <0.001 | |
| | Hemodialysis x depression | 1.063 | 0.297 | 1.829 | 0.007 | |
| | Peritoneal dialysis x depression | 1.471 | 0.442 | 2.500 | 0.005 | |
| | Physical Role | Hemodialysis ^a | -0.228 | -0.558 | 0.102 | |
| Peritoneal dialysis ^a | | -0.464 | -0.873 | -0.055 | 0.026 | |
| Age (years) | | 0.023 | 0.012 | 0.033 | <0.001 | |
| Sufficient physical activity (BPAAT ≥ 4) | | 0.358 | 0.068 | 0.648 | 0.016 | |
| Depression (BDI-II ≥ 16) | | -0.772 | -1.116 | -0.428 | <0.001 | |
| Bodily Pain | Hemodialysis ^a | 0.008 | -0.302 | 0.318 | 0.959 | 0.183 |
| | Peritoneal dialysis ^a | -0.172 | -0.558 | 0.214 | 0.381 | |
| | Age (years) | 0.014 | 0.005 | 0.024 | 0.004 | |
| | Socioeconomic level middle -middle or upper | 0.359 | 0.073 | 0.646 | 0.014 | |
| | Depression (BDI-II ≥ 16) | -0.889 | -1.215 | -0.562 | <0.001 | |
| General Health | Hemodialysis ^a | -0.628 | -0.964 | -0.292 | <0.001 | 0.358 |
| | Peritoneal dialysis ^a | -0.574 | -0.976 | -0.173 | 0.005 | |
| | Age (years) | 0.033 | 0.024 | 0.043 | <0.001 | |
| | Sex (female) | 0.391 | 0.121 | 0.661 | 0.005 | |
| | Sufficient physical activity (BPAAT ≥ 4) | 0.325 | 0.061 | 0.589 | 0.016 | |
| | Depression (BDI-II ≥ 16) | -1.622 | -2.216 | -1.028 | <0.001 | |
| | Hemodialysis x depression | 0.834 | 0.120 | 1.549 | 0.022 | |
| | Peritoneal dialysis x depression | 1.143 | 0.177 | 2.109 | 0.021 | |
| | Energy/Fatigue | Hemodialysis ^a | -0.335 | -0.665 | -0.005 | |
| Peritoneal dialysis ^a | | -0.305 | -0.703 | 0.094 | 0.134 | |
| Age (years) | | 0.017 | 0.008 | 0.027 | <0.001 | |
| Sufficient physical activity (BPAAT ≥ 4) | | 0.367 | 0.111 | 0.622 | 0.005 | |
| Depression (BDI-II ≥ 16) | | -1.751 | -2.333 | -1.170 | <0.001 | |
| Hemodialysis x depression | | 0.952 | 0.251 | 1.652 | 0.008 | |
| Peritoneal dialysis x depression | | 0.982 | 0.032 | 1.931 | 0.043 | |
| Social Functioning | Hemodialysis ^a | -0.573 | -0.979 | -0.167 | 0.006 | 0.407 |
| | Peritoneal dialysis ^a | -0.593 | -1.086 | -0.100 | 0.019 | |
| | Age (years) | 0.036 | 0.025 | 0.047 | <0.001 | |
| | Depression (BDI-II ≥ 16) | -2.840 | -3.561 | -2.119 | <0.001 | |
| | Hemodialysis x depression | 1.482 | 0.614 | 2.351 | 0.001 | |
| | Peritoneal dialysis x depression | 1.467 | 0.285 | 2.650 | 0.015 | |

| SF-36 dimensions | Predictors | B | 95% CI(B) | | p | R ² adjusted |
|----------------------------|--|--------|-----------|--------|--------|-------------------------|
| Emotional Role | | | | | | 0.198 |
| | Hemodialysis ^a | -0.583 | -0.979 | -0.186 | 0.004 | |
| | Peritoneal dialysis ^a | -0.437 | -0.918 | 0.044 | 0.075 | |
| | Age (years) | 0.019 | 0.008 | 0.030 | 0.001 | |
| | Depression (BDI-II ≥16) | -1.940 | -2.648 | -1.232 | <0.001 | |
| | Hemodialysis x depression | 1.186 | 0.330 | 2.043 | 0.007 | |
| | Peritoneal dialysis x depression | 1.330 | 0.169 | 2.492 | 0.025 | |
| Mental Health | | | | | | 0.350 |
| | Hemodialysis ^a | 0.124 | -0.171 | 0.419 | 0.408 | |
| | Peritoneal dialysis ^a | 0.082 | -0.280 | 0.445 | 0.654 | |
| | Depression (BDI-II ≥16) | -2.106 | -2.646 | -1.567 | <0.001 | |
| | Hemodialysis x depression | 0.832 | 0.184 | 1.479 | 0.012 | |
| | Peritoneal dialysis x depression | 0.774 | -0.110 | 1.658 | 0.086 | |
| Physical Component Summary | | | | | | 0.238 |
| | Hemodialysis ^a | -0.291 | -0.592 | 0.011 | 0.058 | |
| | Peritoneal dialysis ^a | -0.458 | -0.829 | -0.086 | 0.016 | |
| | Age (years) | 0.026 | 0.017 | 0.036 | <0.001 | |
| | Sufficient physical activity (BPAAT ≥ 4) | 0.586 | 0.322 | 0.850 | <0.001 | |
| | Depression (BDI-II ≥16) | -0.538 | -0.850 | -0.227 | 0.001 | |
| Mental Component Summary | | | | | | 0.356 |
| | Hemodialysis ^a | -0.303 | -0.660 | 0.053 | 0.095 | |
| | Peritoneal dialysis ^a | -0.245 | -0.678 | 0.189 | 0.267 | |
| | Age (years) | 0.015 | 0.005 | 0.025 | 0.003 | |
| | Depression (BDI-II ≥16) | -2.464 | -3.090 | -1.838 | <0.001 | |
| | Hemodialysis x depression | 1.171 | 0.412 | 1.930 | 0.003 | |
| | Peritoneal dialysis x depression | 1.223 | 0.199 | 2.248 | 0.019 | |

Note. The reported models only contain the significant interactions. BDI-II = Beck Depression Inventory II; BPAAT = Brief Physical Activity Assessment Tool
^arenal transplant as the reference category