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בית חולים נצרת  
THE NAZARETH HOSPITAL  
EMMS - D.D.D. א.מ.ס.



# Impact of gender on depression prevalence quality of life among Arab Israeli ESRD patients

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# Background

- Patients treated with dialysis develop complications caused by the ESRD and its treatment along an acute decline in quality of life despite an increase in life expectancy.
- Specifically, a high prevalence of depression was observed among ESRD patients.
- The source of depression could be an underlying condition of chronic depression and/or the treatments themselves.
- The accumulated toxins in ESRD toxins, decrease quality of life and increase depression.
- Restrictions and multiple drugs that the patients are compelled to take, decrease quality of life even more.

# Hypothesis

**We assume that PD treatment yields better quality of life and prevalence of depression that HD treatment among Arab dialysis patients**



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# Aims

- Examine whether the type of treatment (PD or HD) yields any differences in terms of quality of life and prevalence of depression among Arab dialysis patients .
- Understanding of how physiological psychological and social factors influence quality of life in patients treated with the two treatment types.



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# Methods

61 HD patients and 19 PD patients

The subjects have completed two questionnaires:

1. Beck Depression Inventory (BDI) for measuring the severity of depression.
2. Kidney Disease Quality of Life Short Form (KDQOL-SF, Version 1.3.)

- The sense of well-being was low in both groups. However, it was better in the HD patient group.
- A health status, which interferes in occupational functioning, was found to be lower in HD patients.
- Report of level of pain – report of more severe pain in PD patient group.
- Sexual function was found to be high in the PD patient group that reported having sexual intercourse. However, they were the minority in their group the assumption was proved to be correct.
- More depression was found in the HD group, which **has a female majority**, and in the depressed group the majority were females. Of which, the number of women from rural environments was double the number of women from urban environments .
- Among the depressed patients in the PD group, the non-significant majority were males, in the group of patients, the majority of which are males. And most of the PD patients live in villages.

# Conclusions

- The study suggests to further examine what aspect of the quality of life of women treated with HD causes them such a severe depression.
- The study suggests to recommend that more dialysis candidates should begin PD treatments, and to use a broader definition of the diagnosis and treatment of depression in all of them.

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