



# *Social and psychological profile of Iraqi living kidney donors*

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# *Disclosure*

- Nothing to disclose



# Introduction

- Assessment of the donor's psyche is vital to ascertain the independence of the decision to donate with no external pressures.
- The psychosocial profile of live kidney donors in the developing world was not explored well.
- **Aim:** to assess the psychosocial profile of Iraqi potential living kidney donors.





# Methods

- A cross-sectional study
- The donation clinic of the Nephrology and Renal Transplantation Center, Baghdad.
- From November 2022 to January 2023.
- Forty-four prospective kidney donors.
- Baseline demographic and social data were recorded.
- An Arabic version of the 12-item General Health Questionnaire (GHQ-12) was presented to the donor after an explanation.
- To evaluate the severity of a mental problem over the past few weeks using the **Likert scoring method** (from 0 to 3).
- The score generated a total score ranging from **0 to 36**.

GHQ-12 Questions	Please circle <b>One</b> response per question			
1. Been able to concentrate on what you're doing?	always	frequently	sometimes	never
2. Felt you were playing a useful part in things?	always	frequently	sometimes	never
3. Felt capable of making decisions about things?	always	frequently	sometimes	never
4. Been able to enjoy your normal day to day activities?	always	frequently	sometimes	never
5. Been able to face up to your problems?	always	frequently	sometimes	never
6. Been feeling reasonably happy, all things considered?	always	frequently	sometimes	never
	Please circle <b>One</b> response per question			
7. Lost much sleep over worry?	never	sometimes	frequently	always
8. Felt constantly under strain?	never	sometimes	frequently	always
9. Felt you couldn't overcome your difficulties?	never	sometimes	frequently	always
10. Been feeling unhappy and depressed?	never	sometimes	frequently	always
11. Been losing confidence in yourself?	never	sometimes	frequently	always
12. Been thinking of yourself as a worthless person?	never	sometimes	frequently	always



# Results

- The mean age of the participants was  $32.4 \pm 9.17$  years.
- Half were males.
- The mean GHQ12 was  $6.95 \pm 1.66$   
males:  $6.86 \pm 1.9$   
females:  $6.95 \pm 1.3$
- There is **no statistically significant** difference between the two groups.

Characteristics of the study group

Parameter	Percentage or Mean $\pm$ (SD)
<b>Total</b>	44
<b>Gender</b>	Male 22/44 (50%) Female 22/44 (50%)
<b>Age (mean <math>\pm</math> SD)</b>	32.4 $\pm$ 9.17
<b>Income (mean <math>\pm</math> SD)</b>	300.4k $\pm$ 2.32k
<b>Education:</b>	
Primary school	31/44 (70.45%)
Secondary school	11/44 (24.99%)
Graduated	2/44 (4.54%)
<b>Residence:</b>	
Urban	25/44 (56.81%)
Suburban	16/44 (36.36%)
Rural	3/44 (6.81%)
<b>Employment:</b>	
Employed	7/44 (15.9%)
• Governmental	3/7 (42.85%)
• Private	4/7 (57.14%)
Unemployed	37/44 (84.09%)
<b>Relation:</b>	
Unrelated	23/44 (52.27%)
Related	21/44 (47.72%)
• 1 <sup>st</sup> degree	19/21 (90.47%)
• 2 <sup>nd</sup> degree	2/21 (9.52%)
<b>Tx facility:</b>	
Governmental	39/44 (88.63%)
Private	5/44 (11.36%)
<b>GHQ12 (Mean <math>\pm</math> SD)</b>	6.95 $\pm$ 1.66
Male	6.86 $\pm$ 1.9
Female	6.95 $\pm$ 1.3



## Conclusion

In such a small sample of Iraqi live donors, no major psychological issue was detected.

A study with a large sample and a more detailed psychological evaluation tool is needed.

