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## Developing a Persian semi-structured interview for the psychosocial assessment of candidates for transplantation (PACT) and evaluation of its psychometric properties

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**AIM:** To design semi-structured interview for the psychosocial assessment of candidates for transplantation (PACT) instrument in Persian.

**METHODS:** By considering the eight dimensions of PACT instrument, we designed a Persian semi-structured interview that included 85 open and close-ended questions. These questions covered all rating categories of PACT scale. The face and content validity of the interview questions were assessed by a group of experts including four psychiatrists and a clinical psychologist. Fifty patients that were referred to liver transplantation unit of Imam Hospital recruited for the study and evaluated by using the newly developed semi-structured interview for PACT. All the interviews recorded by permission of the patients. To assess the inter-rater reliability, the recorded interviews evaluated by another independent psychiatrist. For evaluation of the concurrent validity each patient was assessed in a separate session by a senior psychiatrist with 10-year experience of work in organ transplantation teams by using usual assessment method. For the assessment of test-retest reliability, all the interviews were repeated by another independent rater within the next month by using the newly developed instrument.

**RESULTS:** The designed instrument had a good face and content validity according to expert group opinions. The inter-rater reliability and test-retest reliability were excellent (ICC=0.82 and ICC=0.78, respectively). The concurrent validity was good (ICC=0.68).

**CONCLUSIONS:** The developed Persian semi-structured interview for PACT had good psychometric properties and could be used to facilitate assessment, to objectify results, and to prevent legal problems with the assessment of candidates for liver transplantation.

**KEYWORDS:** Psychosocial assessment of candidates for transplantation (PACT), Interview, Persian

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