



Validation of Georgian version of the Neurological Disorders Depression Inventory for Epilepsy (NDDI-E) and investigation of depressive disorders among individuals with epilepsy

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INTRODUCTION

Depression is a frequent, but often neglected serious co-morbidity in patients with epilepsy leading to considerable worsening of quality of life. Moreover, depression is one of the leading risk factors for suicide among persons with epilepsy. Reliable screening tool for early identification of cases with depression is of a great importance. Presented abstract describes key points of validation procedures of Georgian version of NDDI-E with subsequent evaluation of some epidemiological characteristics of depression among individuals with epilepsy.

RESULTS

Cross-cultural adaptation procedures were provided and Georgian version of the NDDI-E was elaborated. Consecutive epilepsy patients, admitted at Institute of Neurology and Neuropsychology were assessed with NDDI-E, Beck Depression Inventory (BDI) as well as consultation of psychiatrist was provided. Internal consistency and concurrent validity was assessed. Best cutoff value was determined through Receiver Operating Characteristics (ROC) analysis. Prevalence of psychiatric disorders was studied.

DISCUSSION

Depression is a significant co-morbidity of epilepsy affecting almost every fifth patients. The Georgian version of the NDDI-E seems to be a reliable tool for screening of depressive disorders in individuals with epilepsy.

METHODS

Validation of the Georgian version of NDDI-E showed Cronbach's alpha to be 0.712. Cutoff score ≥ 16 resulted in sensitivity 0.91 and specificity of 0.99. ROC analysis showed an area under the curve of 0.997. Screening questionnaire showed significant positive correlation with the BDI scores ($r = 0.723$) indicating to a good concurrent validity. Among 101 individuals with epilepsy in 53 (52.5%) no psychiatric co-morbidity was revealed. In 21 (21%) individuals depression or mixed anxiety and depression disorder were revealed. In remaining individuals various mental disorders were detected other than depression



ნევროლოგიისა და ნეიროფსიქოლოგიის ინსტიტუტის ეპილეფსიის ცენტრი
Epilepsy Centre of Institute of Neurology and Neuropsychology

დეპრესიის კითხვარი ეპილეფსიის მქონე პაციენტებისთვის (NDDI-E)

კითხვარის შევსების თარიღი:

ინდივიდუალური კოდი:

შემსვლელის სახელი, გვარი:

ასაკი:

დიაგნოზი (ICD10):

მიმდინარე მკურნალობა:

სხვა დამატებითი ინფორმაცია:

გთხოვთ გულდასმით წაიკითხოთ გრაფაში მოცემული ფრაზები და შემოხაზოთ ოთხი სავარაუდო პასუხიდან ერთ-ერთი, რომელიც ყველაზე მეტად შეესაბამება თქვენს მდგომარეობას.

ფრაზა	ყოველთვის ან ხშირად	ზოგჯერ	იშვიათად	არასდროს
ყველაფერს დიდი ძალისხმევა და ბრძოლა სჭირდება	4	3	2	1
ვერაფერს ვაკეთებ სწორად	4	3	2	1
თავს დამნაშავედ ვგრძნობ	4	3	2	1
ჯობს მოვკვდე	4	3	2	1
იმედგაგრეუებული ვარ	4	3	2	1
მიჭირს სიამოვნების მიღება	4	3	2	1
ქულათა ჯამი:				

გმადლობთ თანამშრომლობისთვის!

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