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Confirmatory factor analysis of the social adjustment scale for adolescents with tourette syndrome

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Background: Tourette Syndrome (TS) is a childhood-onset neurodevelopmental movement disorder with involuntary multiple motor and vocal tics that lasts longer than a year. A previous study argued that inferior self-adjustment ability among TS adolescents influences their future social interaction and career development in adulthood. Thus, developing a scale on TS adolescent's social adjustment can help evaluate their state of social adjustment and lead to the following related intervention.

Method: Based on previous studies, which surveyed 100 (12-20 year-old) adolescents with TS. It tested the reliability and validity of a social adjustment scale for adolescents with TS. Past research helped screen the items by exploratory factor analysis so as to validate the expert validity, internal consistency and construct validity of the scale. At this stage, this study treats 215 adolescents with TS as the sample. Through AMOS 21.0, it conducts confirmatory factor analysis and criterion-related validity analysis.

Result: The scale includes 20 items, including 4 dimensions: Academic performance (5 items); family interaction (4 items); peer relationship (4 items) and relationship between oneself and Tourette syndrome (7 items). In this scale, there are no overlapping and unrelated items. The scale includes meaningful items, such as goodness of fit, acceptable convergent validity and discriminant validity, as well as good criterion-related validity.

Conclusion: The scale shows good reliability and validity and the content is easy to read and is very comprehensible. The results of the scale can be taken as the basis for understanding and evaluating the social adjustment of adolescents with Tourette syndrome.

Biography

Mei-Yin Lee has received her PhD from the School of Nursing at National Yang Ming University in 2013. She has 13 years of experience in teaching Pediatric Nursing at the Mackay Junior College of Nursing, Ching Kuo College and Mackay Medical College. She has her research focuses on Tourette syndrome and care for children with chronic diseases.

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