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BRIEF REPORT

Predictors of dropout in a controlled clinical trial of psychotherapy for moderate depression



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Abstract A significant number of psychotherapy clients remain untreated, and dropping out is one of the main reasons. Still, the literature around this subject is incoherent. The present study explores potential pre-treatment predictors of dropout in a sample of clients who took part in a clinical trial designed to test the efficacy of narrative therapy for major depressive disorder compared to cognitive-behavioral therapy. Logistic regression analysis showed that: (1) treatment assignment did not predict dropout, (2) clients taking psychiatric medication at intake were 80% less likely to drop out from therapy, compared to clients who were not taking medication, and (3) clients presenting anxious comorbidity at intake were 82% less likely to dropout compared to those clients not presenting anxious comorbidity. Results suggest that clinicians should pay attention to depressed clients who are not taking psychiatric medication or have no comorbid anxiety. More research is needed in order to understand this relationship. © 2014 Asociación Española de Psicología Conductual. Published by Elsevier España, S.L.U. All rights reserved.

PALABRAS CLAVE

Abandono;
tratamiento
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depression;
terapia narrativa;
terapia
cognitivo-conductual;
estudio
cuasi-experimental

Predictores de abandono en un ensayo clínico controlado de psicoterapia para depresión moderada

Resumen Un número significativo de clientes de psicoterapia no recibe tratamiento adecuado y el abandono del mismo es una de las principales razones. La literatura existente al respecto es contradictoria. Este estudio explora potenciales predictores del abandono en una muestra de clientes que participaron de un ensayo clínico diseñado para demostrar la eficacia de la terapia narrativa en el trastorno depresivo mayor en comparación con la terapia cognitivo-conductual. Los resultados muestran que (1) la asignación del tratamiento no predecía el abandono, (2) los clientes que al comenzar el tratamiento estaban medicados tuvieron un 80% menos de probabilidad de abandonar la psicoterapia, comparado con los clientes no medicados y (3)

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los clientes que padecían de comorbilidad ansiosa tuvieron un 82% menos de probabilidad de abandonar la psicoterapia comparado con los clientes sin comorbilidad. Los clínicos deberían prestar especial atención a los clientes sin medicación o que no padezcan de comorbilidad ansiosa. Se requiere más investigación para comprender esta relación.

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A high number of psychotherapy clients remain untreated and dropout is one of the main reasons, since rates are high (approx. 20%, up to 74%; [Swift & Greenberg, 2012](#)). Few predictors of dropout have emerged recurrently in research, such as low socio-economic status ([Reis & Brown, 1999](#)), being married or living with a partner, previous experience with psychotherapy ([Werner-Wilson & Winter, 2010](#)), low education ([Swift & Greenberg, 2012](#)), older age ([Pomp, Fleig, Schwarzer, & Lippke, 2013](#)), being African-American ([Lester, Artz, Resick, & Young-Xu, 2010](#)), being female ([Shamir, Szor, & Melamed, 2010](#)), suffering from low levels of anxiety and/or depression ([Baekeland & Lundwall, 1975](#)), less clinical experience of therapists ([Roos & Werbart, 2013](#); [Swift & Greenberg, 2012](#)) and weaker alliance ([Sharf, Primavera, & Diener, 2010](#)). Still, most researchers who have investigated psychotherapy dropout agree that there is no clear evidence for a pattern of dropout predictors ([Baekeland & Lundwall, 1975](#); [Casares-López et al., 2011](#); [Swift & Greenberg, 2012](#)). The aim of this study is to explore the attrition data of a psychotherapy clinical trial by assessing potential pre-treatment predictors for dropping out of treatment.

Method

Participants, therapists, procedures and treatment conditions are described in more details in the original report of the study ([Lopes et al., 2014](#)).

Participants

Sixty-three clients diagnosed with moderate Major Depressive Disorder (MDD) according to the DSM-IV ([American Psychiatric Association, 2000](#)) were assigned to either narrative therapy (NT, $n = 34$) or cognitive-behavioral therapy (CBT, $n = 29$). No significant treatment group differences were found [i.e., 81% female, mean age of 35.44 years old ($SD = 11.51$), 79.4% had comorbid anxiety and 60.3% entered treatment taking psychiatric medication]. Ten therapists, all psychologists, with an average of 1.9 years of clinical experience ($SD = 2.13$) met clients individually.

Dropout rate was 36.50% [NT = 41%, CBT = 31%; $\chi^2_{(1)} = 0.32$, $p = .568$]. Dropout was defined as the unilateral termination by the client without the therapist's approval or knowledge ([Jung, Serralta, Nunes, & Eizirik, 2013](#)).

Treatment conditions

The CBT ([Beck, Rush, Shaw, & Emery, 1979](#)) and NT ([White, 2007](#)) treatment manuals consisted of 20 sessions and made similar requirements on the clients (e.g., completion of forms, in- and out-of-session assignments).

Measures

- Structured Clinical Interview for DSM-IV ([First, Spitzer, Gibbons, & Williams, 2002](#)) was used to gather clients' demographic (i.e., age, gender, relationship status, professional status and education) and clinical information (i.e., global assessment of functioning [GAF], presence of anxious co-morbidity, medication at intake, previous hospitalizations, previous suicide attempts and previous psychotherapy).
- Graffar Index ([Graffar, 1956](#)) was used to measure socio-economic status (SES).
- Beck Depression Inventory-II (BDI-II; [Beck, Steer, & Brown, 1996](#)) was used to measure baseline severity of depressive symptoms.
- Outcome Questionnaire (OQ45.2; [Lambert et al., 1996](#)) and its subscales were used to measure general psychological distress, interpersonal problems and social role.
- Working Alliance Inventory (WAI-C; [Horvath & Greenberg, 1989](#)) was used at session four to assess the quality of working alliance from the perspective of 40 completers and 15 dropout clients.

Results

Attrition along treatment

Of the 23 clients who eventually dropped out, 48% did so by the end of the fourth session, and 91% left treatment before the 11th session. Mean length of stay in treatment for the dropout group was 6.4 ($SD = 4.4$).

Prediction of dropout

As shown on [Table 1](#), t tests and chi-square tests were used to compare dropouts and completers on general characteristics (age, gender, years of education, socioeconomic status, marital status, and employment status), clinical characteristics at intake (GAF, anxious comorbidity, being medicated, previous hospitalization, previous suicide attempt, previous

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