

New Developments in Alcoholism Treatment Research in Europe

Fred Rist, Carrie L. Randall, Nick Heather, and Karl Mann

This article presents the proceedings of a symposium held at the meeting of the International Society for Biomedical Research on Alcoholism (ISBRA) in Mannheim, Germany, in October 2004. The organizers and chairs were Karl F. Mann, Fred Rist and Carrie L. Randall. The presentations were (1) Searching for the acamprosate and naltrexone responders, by Karl Mann on behalf of the Project Predict Research team (K. Mann, R. Brück, H. Gann, U. Zimmermann, A. Heinz, M. Somojai et al.), (2) Treatment outcomes from the United Kingdom Alcohol Treatment Trial (UKATT), by Nick Heather on behalf of the UKATT research team (N. Heather, A. Copello, Ch. Godfrey, R. Hodgson, J. Orford, D. Raine, I. Russell, G. Tober), and (3) Conjoint screening and Brief intervention for Alcohol and Nicotine misuse in primary health care (BeLAN), by Fred Rist on behalf of the BeLAN research team (Ralf Demmel, Ines Aulhorn, Jutta Hagen, Barbara Schreurs, Fred Rist).

Key Words: Alcoholism, Pharmacotherapy, Craving, Psychotherapy, Social Network Behavioral Therapy, Acamprosate, Naltrexone.

IN RECENT SYSTEMATIC reviews of the various treatment approaches to alcohol problems, two approaches emerged as consistently efficacious: Supportive medication, with acamprosate and naltrexone among the pharmacotherapies, and motivational and cognitive-behavioral techniques within the realm of psychosocial treatments (Miller and Wilbourne, 2002). However, even naltrexone and acamprosate are less efficacious than pharmacological treatments for other psychological disorders, as Kranzler and van Kirk (2001) have shown in a meta-analysis using the effect strength of SSRIs in depression as a reference for the effects of the two antidipsotropics. Naltrexone and acamprosate may address different aspects of alcohol dependence. Naltrexone appears primarily to reduce current drinking levels or the intensity of relapses, and acamprosate directly supports abstinence (Sinclair, 2001). Motivational and cognitive-behavioral treatments for alcohol dependence are also less efficacious than cognitive-behavioral

treatments of anxiety disorders (Chambless and Ollendick, 2001). Thus, various strategies are currently needed to improve the efficacy of these treatment approaches beyond the current state.

One such approach searches for differential treatment indicators. However, in the realm of psychosocial treatments, this was not successful: In Project MATCH (Project MATCH Research Group, 1997a) clients were randomly assigned to one of three 12-week, manual-guided, individually delivered treatments: Cognitive Behavioral Coping Skills Therapy (CBT), Motivational Enhancement Therapy (MET) or Twelve-Step Facilitation Therapy (TST). Clients were then monitored over a 1-year posttreatment period and achieved significant improvements in all three treatments, but nine of 10 carefully selected primary matching variables failed to exert any significant effect on the one year outcomes. Thus, although a high proportion of patients in all 3 interventions achieved positive outcomes, the findings were essentially negative with regard to matching.

The idea of differential treatment indicators is pursued in Project Predict, an on-going study being conducted in Germany and presented in this symposium. Instead of using psychometrically measured personality variables as the basis for treatment matching (like in Project MATCH), Mann et al. (2004) assessed neurobiological functioning on different levels (including f-MRI, genetic profiling and the acoustic startle paradigm) to predict treatment response to either acamprosate or naltrexone. Both drugs have been combined in one published study (Kiefer et al., 2003) and in an US study, currently under final evaluation (The Combime Study Research Group, 2003). Here the combination of pharmacotherapy with different doses of psychotherapy

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