

Combining Motivational Interviewing and Cognitive Bias Modification Training for Substances in Detained Youth

Hans S. van der Baan, PhD , Annematt L. Collot D'Escury-Koenigs, PhD ,
Raoul P.P.P. Grasman, PhD , Gerard M. Schippers, PhD , Reinout W. Wiers, PhD 

Objective: Motivation is considered a key factor in successful treatment. Unfortunately, detained youth typically show lower motivation for treatment and behavioral change. This pilot study examined the effects of a brief Motivational Interviewing (MI) protocol in conjunction with a Cognitive Bias Modification (CBM) intervention aimed at reducing substance use in detained youth.

Method: An MI protocol for adult parolees was adapted for adolescents. A total of 52 detained youth received the MI intervention, aimed at enhancing their insights into their substance use and its potential relation with their offenses, plus substance use treatment. These youth were matched with controls from similar populations who received the same CBM without MI.

Results: Changes in motivation over time were examined with a repeated-measures analysis of variance. Results showed no change in motivation over time, nor a significant effect of condition (MI vs no MI).

Conclusion: Although application of the MI protocol was feasible, no effect was found on motivation, in contrast to the original adult-focused protocol. Certain core facets of the original protocol, such as client reflection on their history of substance use, may be less applicable to detained youth whose use history is relatively brief. The severity of their substance use behavior should also be taken into account in any future applications.

Plain language summary: Motivational interviewing (MI) is an evidence-based method to increase behavioral change and treatment engagement. In this study, 52 detained youth received a 6-session MI protocol in addition to a cognitive bias modification (CBM) intervention targeting substance use, and they were matched with controls from a prior study where youth received CBM only. Neither group showed a change in motivation. These findings suggest that future MI-based interventions should consider the needs and developmental stages of youths with substance use.

Key words: young offenders; motivational interviewing; substances

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Client motivation plays a pivotal role in mental health treatment,¹⁻³ being predictive of treatment retention and outcomes.⁴⁻⁷ Creating and sustaining motivation is a recurring challenge for practitioners, particularly in forensic settings. Involuntary treatment is considered less effective,⁸⁻¹⁰ yet successful treatment in forensic populations is greatly beneficial, both to the individual and to society. This is particularly true with detained youth,¹¹ who may potentially desist from continued involvement with the legal system. Motivation in detained youth is therefore of primary consideration for clinicians in treatment planning,¹² and effective motivation enhancement is needed.

Detained youth are often assumed to have little motivation for their treatment.¹³ Optimally, motivation for engaging in treatment and/or behavioral change should be intrinsic or autonomous.¹⁴ Adolescents in general derive motivation from personal relevance and perceived effects on social status, rather than long-term societal benefits.^{15,16}

Detained youth typically have little to no autonomy in the decision to be treated or in the treatment selection. Unlike typical clinical populations, they have not arrived at treatment after a process of deliberation or because of problem recognition. Treatment initiation is highly controlled and engagement enforced extrinsically, as cooperation is often linked to privileges (or lack thereof) during detention. Moreover, their direct peers are other detained youth who may not react positively to cooperation with authority. This has a negative impact on motivation in what is already a suboptimal treatment environment.¹⁷

The most common conceptualization of motivation in clinical context is the Trans-theoretical Model (TTM)¹⁸ of behavior change. The TTM sees motivation both as the initial motivation at treatment commencement and as a continuous factor throughout the process, as clients progress through 6 sequential stages. The first stage is Pre-contemplation, in which individuals do not intend to take action toward behavior change, at least not in the next 6

Enhanced Effects Of Combined Cognitive Bias Modification

Sol Louis Garfield, Allen E. Bergin



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Interpretational Processing Biases in Emotional Psychopathology Marcella L. Woud, 2023-03-28 The primary aim of this book is to bridge the gap between lab based and clinical research by disseminating the latest interdisciplinary scientific findings on interpretational processing biases in the context of emotional psychopathology It is designed to help the practitioner by drawing explicit links between the basic science and implications for clinical practice This enables an enhanced interaction between science and practice strengthening bi directional translational links and the potential to produce more meaningful and significant advances in the treatment of emotional psychopathology This in turn will facilitate an innovative step change in the area of both research and clinical practice The book focuses on cognitive processing biases that are common across a wide range of psychological disorders meaning that the conclusions drawn have relevance across the whole spectrum of psychopathology and will stimulate and inspire a broad range of discussions and future work From the foreword by Nikolaos Kazantzis The practice of CBT is complex and requires a tailored approach Every technique has a specific target but may be used for multiple purposes simultaneously in support of the client s therapeutic goals The purpose of Dr Woud s book is to elucidate the ways in which interpretational biases can be a focus of intervention for CBT therapists at all stages of professional development from those undertaking training to master clinicians Dr Woud has succeeded admirably in this regard

Charney & Nestler's Neurobiology of Mental Illness Dennis S. Charney MD, Eric J. Nestler MD, PhD, Pamela Sklar MD, PhD, Joseph D. Buxbaum PhD, 2017-11-29 In the years following publication of the DSM 5 the field of psychiatry has seen vigorous debate between the DSM s more traditional diagnosis oriented approach and the NIMH s more biological dimension based RDoC approach Charney Nestler s Neurobiology of Mental Illness is an authoritative foundation for translating information from the laboratory to clinical treatment and its fifth edition extends beyond its reference function to acknowledge and examine the controversies different camps and thoughts on the future of psychiatric diagnosis In this wider context this book provides information from numerous levels of analysis including molecular biology and genetics cellular physiology neuroanatomy neuropharmacology epidemiology and behavior Sections and chapters are edited and authored by experts at the top of the field No other book distills the basic science and underpinnings of mental disorders and explains the practical clinical significance to the scope and breadth of this classic text **Positive**

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Management Angelo Kinicki,Denise Breaux Soignet,2002 *Augmenting Interpretative Cognitive Bias Modification Using Memory Reconsolidation Updating* Michael David Lee,2017 Research suggests that interpretative cognitive biases can be attenuated by cognitive bias modification for interpretation CBM I However small effect sizes and a lack of follow up data highlight a need to increase the potency and durability of CBM I Recent findings have suggested that reactivating a fear memory briefly before behavioral intervention may suppress later return of fear through utilization of a process known as reconsolidation updating The current experiment investigated the efficacy of a CBM I augmentation that involved administering a brief fear reactivation procedure prior to CBM I 74 adults with clinical social anxiety were randomly assigned to give an impromptu speech either 10 minutes prior to interpretation bias training CBM FRT 24 hours prior to

training CBM or 24 hours prior to placebo training CONTROL Social anxiety symptomology and interpretation bias were assessed using self report questionnaires and a behavioral task at baseline BL post training POST 1 week follow up FU1 and 2 week FU2 follow up Mixed effects regression models revealed that as hypothesized the CBM FRT group had significantly lower interpretation bias than the CBM group at FU2 but not at POST or FU1 However there were no significant between group differences in self reported anxiety symptoms at any assessment Additionally no difference in interpretation bias between CBM and CONTROL was found at POST Findings provide support for continued investigation of brief fear network reactivation as a means of enhancing anxiety treatment However a failure to find effects of non augmented CBM I suggests that further scrutiny is necessary to determine CBM s clinical utility

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Toward a Unified Theory of Development John P. Spencer, Michael S. C. Thomas, James L. McClelland, 2009 From William James to Sigmund Freud to Jean Piaget to B F Skinner scholars and parents have wondered how children move from the blooming buzzing confusion of infancy through the tumult of childhood and adolescence into adulthood Does development occur continuously over time or in a series of dramatic stages Is development driven by learning or by biological maturational processes What is the nature of experience and how does it generate change The study of development has always been organized around these big questions And answers to these questions have a profound influence on daily life forming a framework for how parents think about their own children and influencing both national policy and educational curricula This book defines and refines two major theoretical approaches within developmental science that address the central issues of development connectionism and dynamical systems theory Spencer Thomas and McClelland have brought together chapters that provide an introduction overview and critical evaluation of each approach including three sets of case studies that illustrate how both approaches have been used to study topics ranging from early motor development to the acquisition of grammar They also present a collection of commentaries by leading scholars which offer a critical view from both an outsiders s and an insider s perspective The book is unique in the range of its treatment it begins to delineate how developmental science can incorporate advances within neuroscience and computational modeling and brings the new ideas of connectionism and dynamic systems theory into sharper focus clarifying their usefulness and explanatory power

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Table of Contents Enhanced Effects Of Combined Cognitive Bias Modification

1. Understanding the eBook Enhanced Effects Of Combined Cognitive Bias Modification
 - The Rise of Digital Reading Enhanced Effects Of Combined Cognitive Bias Modification
 - Advantages of eBooks Over Traditional Books
2. Identifying Enhanced Effects Of Combined Cognitive Bias Modification
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Enhanced Effects Of Combined Cognitive Bias Modification
 - User-Friendly Interface
4. Exploring eBook Recommendations from Enhanced Effects Of Combined Cognitive Bias Modification
 - Personalized Recommendations
 - Enhanced Effects Of Combined Cognitive Bias Modification User Reviews and Ratings
 - Enhanced Effects Of Combined Cognitive Bias Modification and Bestseller Lists
5. Accessing Enhanced Effects Of Combined Cognitive Bias Modification Free and Paid eBooks

- Enhanced Effects Of Combined Cognitive Bias Modification Public Domain eBooks
 - Enhanced Effects Of Combined Cognitive Bias Modification eBook Subscription Services
 - Enhanced Effects Of Combined Cognitive Bias Modification Budget-Friendly Options
6. Navigating Enhanced Effects Of Combined Cognitive Bias Modification eBook Formats
 - ePub, PDF, MOBI, and More
 - Enhanced Effects Of Combined Cognitive Bias Modification Compatibility with Devices
 - Enhanced Effects Of Combined Cognitive Bias Modification Enhanced eBook Features
 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Enhanced Effects Of Combined Cognitive Bias Modification
 - Highlighting and Note-Taking Enhanced Effects Of Combined Cognitive Bias Modification
 - Interactive Elements Enhanced Effects Of Combined Cognitive Bias Modification
 8. Staying Engaged with Enhanced Effects Of Combined Cognitive Bias Modification
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Enhanced Effects Of Combined Cognitive Bias Modification
 9. Balancing eBooks and Physical Books Enhanced Effects Of Combined Cognitive Bias Modification
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Enhanced Effects Of Combined Cognitive Bias Modification
 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
 11. Cultivating a Reading Routine Enhanced Effects Of Combined Cognitive Bias Modification
 - Setting Reading Goals Enhanced Effects Of Combined Cognitive Bias Modification
 - Carving Out Dedicated Reading Time
 12. Sourcing Reliable Information of Enhanced Effects Of Combined Cognitive Bias Modification
 - Fact-Checking eBook Content of Enhanced Effects Of Combined Cognitive Bias Modification
 - Distinguishing Credible Sources
 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development

- Exploring Educational eBooks
14. Embracing eBook Trends
- Integration of Multimedia Elements
 - Interactive and Gamified eBooks

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