

Preexisting Issues

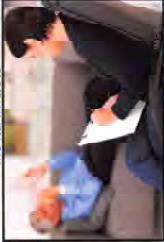
Learning Disabilities



Previous TBI



Mental Illnesses

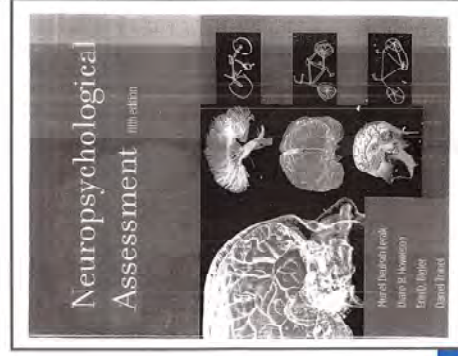


Substance Abuse



Evaluating patients with brain injuries who have a prior history of conditions such as learning disabilities or ADHD

“Related concepts germane to this discussion are presented in a book by Letaek, Howison, Bigler, & Taniel entitled *Neuropsychological Assessment*, Fifth Edition, 2012, Oxford University Press.”



"There is often quite extensive testing utilizing cognitive and achievement-related procedures that may serve as a baseline for comparison to present results as well as a standard comparison to demographically corrected norms.

In addition, there are assessment procedures that may be utilized such as the Frontal Systems Behavior Scale that allow comparisons made by self and others regarding the patient's behavior before and after a given event.

These can be administered along with validity and reliability procedures even to others involved in their care that knew them, which may provide another objective, valid, and reliable measurement of change."

- Dr. Bradley G. Sewick, Ph.D.

Examining patients who have had prior traumatic brain injuries

"Psychometric assessment... may again serve as a baseline for comparison purposes. When doing so, one must take into account expectations regarding degrees of recovery and with recovery curves present in the literature for brain injuries of different severity. ...the presence of a prior brain injury is considered a risk factor rendering them more vulnerable to more complex and protracted recovery from future injury."

Additional procedures can be utilized that compare a patient's functioning retrospectively prior to injury vs. during present status that may be completed by the patient and others familiar with them on a valid and reliable basis."

- Dr. Bradley G. Sewick, Ph.D.

"Depending upon the severity and length of the condition, there may be impairments of a long-standing nature which should be considered. ...review prior psychiatric records... Some conditions such as anxiety disorders and depression, if managed and mild, may have relatively little effect on neurocognitive functioning but if more severe and persisting and intractable, etc., may have a significant neurocognitive effect.

It is important, however, to understand the neuropsychological testing can identify focal brain damage associated specifically with brain injury and be very useful in disentangling effects that may be present from mental illness or psychopathology vs. brain trauma. ...comparisons to school records are likely useful as well.' ...retrospective pre-injury assessment methods may be useful for comparing to current status based upon objective, valid, and reliable ratings obtained from the patient and others."

- Dr. Bradley G. Sewick, Ph.D.

Assessing patients with brain injuries who have a prior history of depression, schizophrenia, or other forms of psychopathology

The Neuropsychology of Psychopathology edited by Chad A. Noggle and Raymond S. Dean, published by Springer Publishing Company, New York, 2013.

Neuropsychology (NP) is a significant topic within patient care and the field of neuropsychology. This book addresses the current state of the field and provides a comprehensive overview of the field. The book is divided into two main sections: the first section covers the history and development of the field, and the second section covers the current state of the field. The book is written for a general audience and is suitable for use as a textbook or a reference work. The book is published by Springer Publishing Company, New York, 2013.

The purpose of this study was to examine the validity of pre-injury medical history and substance use with both functional status and neurocognitive status in the time period between injury and testing. The study included 100 patients with traumatic brain injury (TBI) and 100 controls. The study found that pre-injury medical history and substance use were significantly associated with functional status and neurocognitive status. The study also found that the impact of pre-injury medical history on neurocognitive outcomes was mediated by functional status.

METHODS
The study was part of the Traumatic Brain Injury Model (TRIM) study, a longitudinal study of patients with TBI. The study included 100 patients with TBI and 100 controls. The study found that pre-injury medical history and substance use were significantly associated with functional status and neurocognitive status. The study also found that the impact of pre-injury medical history on neurocognitive outcomes was mediated by functional status.

The impact of preexisting illness and substance use on functional and neuropsychological outcomes following traumatic brain injury

Maria B. Delis, PhD, Scott A. Brown, PhD, Amy Brock, MS, Andrew Johnson, BS, Rosemary Dubell, DO, Cynthia DeWitt, BS, Cynthia Chabrowski, BS, DSC, and David Paul, PhD, MPH

Inclusion criteria and the definition of TBI can be found in the Delis, Johnson, and Brown's historical review of the literature. The study included 100 patients with TBI and 100 controls. The study found that preexisting illness and substance use were significantly associated with functional and neuropsychological outcomes. The study also found that the impact of preexisting illness on functional and neuropsychological outcomes was mediated by substance use.

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