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Novel computerised psychometric tests as primary screening tools for the diagnosis of minimal hepatic encephalopathy

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Abstract

Minimal hepatic encephalopathy (MHE) is a critical neurocognitive complication of decompensated liver cirrhosis and portosystemic shunting, which results in a wide range of cognitive deficits, including impairments in

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Useful Tests for Hepatic Encephalopathy in Clinical Practice

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3918211>

The Hepatic Encephalopathy Consensus Group at the World Congress of Gastroenterology in 1998 endorsed the psychometric hepatic encephalopathy score (PHES) as the gold standard for diagnosing CHE 1. Over the past decade, several drawbacks of this testing system have been identified such as test administration and scoring in the outpatient setting.

Cited by: 13

Author: Eiman Nabi, Jasmohan S. Bajaj

Publish Year: 2014

Minimal Hepatic Encephalopathy in Indians: Psychometric ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6943207>

Dec 28, 2019 · MHE includes a specific spectrum of cognitive deficits, which mostly involve the domains of response inhibition, executive function, attention and vigilance.8–10 Psychometric tests are considered the gold standard for the diagnosis of MHE. These psychometric tests specifically assess the above-mentioned cognitive domains.11 The Psychometric Hepatic Encephalopathy Score (PHES) is ...

Author: Vinay B. Pawar, Ravindra G. Surude, ... Publish Year: 2019

Screening for minimal hepatic encephalopathy in patients ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4950820>

Screening for minimal hepatic encephalopathy in patients with cirrhosis by cirrhosis-related symptoms and a history of overt hepatic encephalopathy Emi Yoshimura , 1 Tatsuki Ichikawa , 2 Hisamitsu Miyaaki , 1 Naota Taura , 1 Satoshi Miuma , 1 Hidataka Shibata , 1 Takuya Honda , 1 Fuminao Takeshima , 1 and Kazuhiko Nakao 1

Cited by: 6

Author: Emi Yoshimura, Tatsuki Ichikawa, Hisami...

Publish Year: 2016

Assessment of Minimal HE (with emphasis on computerized ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3312030>

Computerized testing would simplify motor response, and may give information about other aspects of cognitive ability like reaction time. The following are available computerized tests for ...

Computerized Psychometric Testing in Minimal ...

[https://www.gastrojournal.org/article/S0016-5085\(08\)01097-4/fulltext](https://www.gastrojournal.org/article/S0016-5085(08)01097-4/fulltext)



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包含 novel computerised psychometric tests as primary screening tools for the diagnosis of minimal **hepatic** 的结果。

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Cognition-tracking-based strategies for diagnosis and ... [翻译此页](#)

Author: Weijia Han, Huanqian Zhang, Ying Ha... Publish Year: 2020

Minimal hepatic encephalopathy (MHE), which shows mild cognitive impairment, is a subtle complication of cirrhosis that has been shown to affect daily functioning and quality of life. However, until 2014, relevant guidelines do not give much attention to the **diagnosis** and treatment of MHE, resulting in patients being ignored and denied the benefits of treatment.

<https://link.springer.com/article/10.1007/s11011-020-00539-w>

Psychometric hepatic encephalopathy score for ... [翻译此页](#)

To construct normal values for the tests of the **psychometric hepatic** encephalopathy score (PHES) and to evaluate its usefulness in the **diagnosis of minimal hepatic** encephalopathy (MHE) among ...

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Minimal hepatic encephalopathy (MHE) is a major neuropsychiatric complication of liver cirrhosis and portosystemic shunting. Although MHE produces a spectrum of cognitive impairments in the domains of short-term attention, working memory, and executive function, it generally does not present with obvious clinical manifestation on conventional assessments.

Assessment of Minimal HE (with emphasis on computerized ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3312030>

The following are available computerized tests for diagnosis of **hepatic encephalopathy**. Choice tests and **Sternberg Paradigm Amodio et al** used a series of three computerized tests known as the Scan, Choice 1 and Choice 2 tests in a group of 94 **cirrhotic patients**.

Cited by: 15 **Author:** Matthew R. Kappus, Jasmohan S. Bajaj
Publish Year: 2012

[PDF] Diagnosis and Management of Hepatic Encephalopathy - Core ...

<https://www.hepatitisc.uw.edu/pdf/management...>

neuropsychometric tests are necessary to make the diagnosis of **minimal hepatic encephalopathy**. Unfortunately, most of these tests require special expertise, can be very time consuming to administer, and may not be widely available for use in the United States, as ...

PEOPLE ALSO ASK

What are the clinical manifestations of hepatic encephalopathy?

Hepatic Encephalopathy

Medical Condition

A brain disorder due to advanced liver diseases



A loss of brain function as a result of failure in the removal of toxins from the blood due to liver damage.

- Rare (Fewer than 200,000 cases per year in US)
- Requires lab test or imaging
- Treatment from medical professional advised
- Can last several days or weeks

Caused by liver failure or infections. Symptoms include confusion, unconsciousness and changes in personality. Treatment includes medication and liver transplant in severe cases.

Symptoms