



25337-Review

 Quotes Excluded
 Bibliography Excluded

 5%
 SIMILAR

1

Name of Journal: *World Journal of Gastrointestinal Pathophysiology*

ESPS Manuscript NO: 25337

Manuscript Type: Review

Update on diagnostic value of breath test in gastrointestinal and liver diseases

Imran Siddiqui, Sibtain Ahmed, Shahab Abid

Abstract

In the field of gastroenterology, breath tests are used intermittently as diagnostic tools that allow indirect, non-invasive and relatively less cumbersome evaluation of several disorders by simply quantifying the appearance in exhaled breath of a metabolite of a specific substrate administered. The aim of this review is to have an insight into the principles, methods of analysis and performance parameters of various Hydrogen, Methane and Carbon breath tests which are available for diagnosing gastrointestinal disorders such as *H. Pylori* infection, small intestinal bacterial overgrowth, and carbohydrate malabsorption. Evaluation of gastric emptying is routinely performed by scintigraphy which is however, difficult to perform and not suitable for children and pregnant women, this review has abridged the ^{13}C -octanoic acid test in comparison to scintigraphy and has emphasized on its working protocol and challenges. A new development such as electronic nose test is also highlighted. Moreover we have also explored the limitations and constraints restraining the wide use of these breath tests.

Match Overview



- | | | |
|---|--|-----|
| 1 | CrossCheck 28 words
Braden, B., "13C-breath tests, Current state of the art and future directions", Digestive and Liver Disease, 200709 | 1% |
| 2 | Internet 26 words
crawled on 24-Apr-2014
www.ncbi.nlm.nih.gov | 1% |
| 3 | CrossCheck 17 words
Rana, Satya Vati, "Breath tests and irritable bowel syndrome", World Journal of Gastroenterology, 2014. | <1% |
| 4 | CrossCheck 15 words
de Lacy Costello, B P J, M Ledochowski, and N M Ratcliff, "The importance of methane breath testing: a review", Jour | <1% |
| 5 | CrossCheck 13 words
Andreas Leodolter, "Validity of a modified 13C-urea breath test for pre- and posttreatment diagnosis of Helicobacter | <1% |
| 6 | CrossCheck 12 words
KRZYSZTOF JONDERKO, "Feasibility of a breath test with a substrate of natural 13C-abundance and isotope-select | <1% |

[全部](#)[新闻](#)[图片](#)[视频](#)[更多 ▾](#)[搜索工具](#)

找到约 649,000 条结果 (用时 0.78 秒)

Diagnostic Value of the ^{13}C Methacetin Breath Test in ...

www.hindawi.com/journals/grp/2011/235796/ ▾ [翻译此页](#)

作者: H Razlan - 2011 - 被引用次数: 12 - 相关文章

2011年4月9日 - ²Division of Gastroenterology, Department of Medicine, Faculty of Medicine, ... The ^{13}C -methacetin breath test has a poor predictive value for liver fibrosis but ... alternative noninvasive methods to diagnose liver fibrosis and cirrhosis. of chronic hepatitis B: a 2008 update," Hepatology International, vol.

Diagnostic Value of the ^{13}C Methacetin Breath Test in ...

www.hindawi.com/journals/grp/2011/235796/ref/ ▾ [翻译此页](#)

2011年4月9日 - Diagnostic Value of the ^{13}C Methacetin Breath Test in Various Stages of ... of hepatocyte in chronic liver disease," Digestive and Liver Disease, vol. 32, no ... of chronic hepatitis B: a 2008 update," Hepatology International, vol.

Sleisenger and Fordtran's Gastrointestinal and Liver ...

<https://books.google.ae/books?isbn=1455749893> - [翻译此页](#)

Mark Feldman, Lawrence S. Friedman, Lawrence J. Brandt - 2015 - Medical Pathophysiology, Diagnosis, Management Mark Feldman, Lawrence S. Friedman, ... M. The importance of indication in the diagnostic value of push enteroscopy. ... Improved screening for intestinal villous atrophy by d-xylose breath test.

[PDF] [An update on diagnostic value of biotinidase: From liver ...](#)

[全部](#)[新闻](#)[购物](#)[图片](#)[视频](#)[更多 ▾](#)[搜索工具](#)

找到约 585,000 条结果 (用时 1.09 秒)

Diagnostic Value of the ^{13}C Methacetin Breath Test in ...

www.hindawi.com/journals/grp/2011/235796/ ▾ [翻译此页](#)

作者: H Razlan - 2011 - 被引用次数: 12 - 相关文章

2011年4月9日 - ²Division of Gastroenterology, Department of Medicine, Faculty of Medicine, ... The ^{13}C -methacetin breath test has a poor predictive value for liver fibrosis but ... alternative noninvasive methods to diagnose liver fibrosis and cirrhosis. of chronic hepatitis B: a 2008 update," Hepatology International, vol.

Sleisenger and Fordtran's Gastrointestinal and Liver ...

<https://books.google.nl/books?isbn=1455749893> - [翻译此页](#)

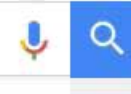
Mark Feldman, Lawrence S. Friedman, Lawrence J. Brandt - 2015 - Medical Pathophysiology, Diagnosis, Management Mark Feldman, Lawrence S. Friedman, ... M. The importance of indication in the diagnostic value of push enteroscopy. ... Improved screening for intestinal villous atrophy by d-xylose breath test.

Diagnostic Value of the ^{13}C Methacetin Breath Test in ...

www.academia.edu/.../Diagnostic_Value_of_the_13_C_Methac... ▾ [翻译此页](#)

The ^{13}C -methacetin breath test has a poor predictive value for liver fibrosis but ... with and without cirrhosis alone has limited value, as this can 2 Gastroenterology of chronic hepatitis B: a 2008 update," Hepatology International, vol. 2, no.

[PDF] An update on diagnostic value of biotinidase: From liver ...



全部 新闻 图片 地图 更多 ▾ 搜索工具

找到约 1,110,000 条结果 (用时 0.79 秒)

Diagnostic Value of the ^{13}C Methacetin Breath Test in Variou...

www.hindawi.com/journals/grp/2011/235796/ ▾ 翻译此页

作者: H Razlan - 2011 - 被引用次数: 12 - 相关文章

2011年4月9日 - ²Division of Gastroenterology, Department of Medicine, Faculty of Medicine, ... The ^{13}C -methacetin breath test has a poor predictive value for liver fibrosis but ... alternative noninvasive methods to diagnose liver fibrosis and cirrhosis. of chronic hepatitis B: a 2008 update," Hepatology International, vol.

Diagnostic Value of the 13 C Methacetin Breath Test in Vario...

www.academia.edu/.../Diagnostic_Value_of_the_13_C_Methac... ▾ 翻译此页

The 13 C-methacetin breath test has a poor predictive value for liver fibrosis but ... with and without cirrhosis alone has limited value, as this can 2 Gastroenterology of chronic hepatitis B: a 2008 update," Hepatology International, vol. 2, no.

Sleisenger and Fordtran's Gastrointestinal and Liver Disease: ...

<https://books.google.com.hk/books?isbn=1455749893> - 翻译此页

Mark Feldman, Lawrence S. Friedman, Lawrence J. Brandt - 2015 - Medical Pathophysiology, Diagnosis, Management Mark Feldman, Lawrence S. Friedman, ... M. The importance of indication in the diagnostic value of push enteroscopy. ... Improved screening for intestinal villous atrophy by d-xylose breath test.

[PDF] An update on diagnostic value of biotinidase: From liver d...

www.alliedacademies.org/.../an-update-on-diagnostic-value-of-... ▾ 翻译此页

作者: M Faith - 2013 - 相关文章

An update on diagnostic value of biotinidase: From liver damage to cancer: Minireview. from the intestinal flora, intestinal secretions and brush border membranes [9, 10]. zures, hearing loss, breathing problems and optic atrophy. The expression of ... ity when applied as a diagnostic test in both acute and chronic liver