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1	CrossCheck 50 words Shelley R Salpeter. "Risk of fatal and nonfatal lactic acidosis with metformin use in type 2 diabetes mellitus", C...	2%
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Name of Journal: *World Journal of Nephrology*

ESPS Manuscript NO: 24549

Manuscript Type: Original Article

*Retrospective Study*

Metformin associated lactic acidosis in Auckland City Hospital 2005 to 2009

Imad Haloob, Janak R de Zoysa

#### Abstract

**AIM:** To determine the incidence, clinical characteristics and outcomes of patients with metformin associated lactic acidosis (MALA).

**METHODS:** Auckland City Hospital drains a population of just over 400,000 people. All cases presenting with metabolic acidosis between July 2005 and July 2009 were identified using clinical coding. A retrospective case notes review identified patients with MALA. Prescribing data for metformin was obtained from the national pharmaceutical prescribing scheme.

**RESULTS:** There were 42 cases of metabolic lactic acidosis over 1718000 patient years. There were 51,000 patient years of metformin prescribed to patients over the study period. There were thirty two cases of lactic acidosis due to sepsis, seven in patients treated with metformin. Ten cases of MALA were identified. The incidence of MALA was estimated at 19.46 per 100,000 patient year exposure to metformin. The relative risk of lactic acidosis in patients on metformin was 12.52 (95% CI 7.99,



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### Outcome of severe lactic acidosis associated with metformin ...

[www.ncbi.nlm.nih.gov](http://www.ncbi.nlm.nih.gov) > ... > PubMed Central (PMC) ▾ 翻译此页

作者: S Friesecke - 2010 - 被引用次数: 48 - 相关文章

2010年12月20日 - Metformin associated lactic acidosis (MALA) may complicate metformin therapy, ... acid-base balance, serum creatinine, hospital outcome, Simplified Acute Physiology Score II (SAPS ... 2009;37:2191-2196. doi: 10.1097/CCM.0b013e3181a02490. ... 2005;48:2454-2459. doi: 10.1007/s00125-005-0026-1.

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### Metformin-Associated Lactic Acidosis following Intentional ...

[www.hindawi.com/journals/crin/2012/671595/](http://www.hindawi.com/journals/crin/2012/671595/) ▾ 翻译此页

作者: N Lam - 2012 - 被引用次数: 6 - 相关文章

2012年5月6日 - The incidence of metformin-associated lactic acidosis (MALA) is reported to be 3 ... The patient's hospital chart arrived to the ICU where it was ...

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作者: IR Wallace - 2015 - 相关文章

2015年3月3日 - <sup>2</sup>Department of Transplant Nephrology, Auckland City Hospital, ... of an increased risk of lactic acidosis associated with the use of metformin ... Kidney Int 2005;



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### [PDF] Metformin-associated lactic acidosis: Current ... - Elcelyx

[elcelyx.com/wp-content/uploads/2015/.../DeFronzo-20162.pdf](http://elcelyx.com/wp-content/uploads/2015/.../DeFronzo-20162.pdf) ▾ 翻译此页

作者: R DeFronzo - 2015 - 被引用次数: 1 - 相关文章

2015年10月5日 - some patients may not receive it owing to the risk of lactic acidosis.

Metformin ... **metformin-associated lactic acidosis** (MALA) is an extremely rare condition

..... Adapted from Fall & Szerlip, 2005 [91]. 23 ..... Bristol-Myers Squibb; 2009. [7] Bailey CJ. .... records of the Massachusetts General **Hospital**. Case 23-.

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作者: IR Wallace - 2015 - 相关文章

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### Metformin-associated lactic acidosis: three patients

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[www.ncbi.nlm.nih.gov/.../PubMed Central \(PMC\)](http://www.ncbi.nlm.nih.gov/.../PubMed Central (PMC)) ▾ 翻译此页

作者: N Lam - 2012 - 被引用次数: 6 - 相关文章

2012年5月23日 - The incidence of metformin-associated lactic acidosis (MALA) is reported to be ... Her peak serum metformin level, taken almost 8 hours after her arrival to the hospital, was 170 ... 2009;32(1):193-203. .... 2005;18(3):303-307.

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