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Retrospective Study

Can the detection of IgA anti-*Mycoplasma pneumoniae* added to IgM increase diagnostic accuracy in patients with infections of the lower respiratory airways?

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Abstract

AIM

To evaluate the increase in diagnostic yield, by using IgA in addition to IgM, instead of IgM alone, in relation to the age of the patients.

METHODS

The study considered 1067 blood samples from patients with clinical signs of lower respiratory tract infections, tested for anti-*Mycoplasma* IgG, IgM and IgA antibody.

RESULTS

The increase in diagnostic yield with IgA, compared to IgM detection alone was of 3.5% with statistically significant differences between age groups (0.8% for those equal/under 50 years of age and 4.3% for those over 50).

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作者: F Daxboeck - 2003 - 被引用次数: 257 - 相关文章

2003年3月26日 - Most **patients** develop tracheobronchitis or upper **respiratory tract** In order to achieve a rapid **diagnosis**, separate **detection** of **IgM** or **IgA** antibodies is helpful. Despite the **low** sensitivity of **M. pneumoniae** culture, the isolation of the The sensitivity **can** be **increased** by nested PCR, which involves the ...

[\[PDF\] Anti-Mycoplasma pneumoniae ELISA \(IgM\) - EUROIMMUN US, Inc.](#)

[www.euroimmun.us/package-inserts/Infectious/.../EI_2202M_A_US_C04.p...](#) ▾ [翻译此页](#)

diseases of the upper and **lower respiratory tract**: rhinitis, pharyngitis, otitis media, ... Around 10% of **Mycoplasma pneumoniae infections** are observed in **patients** over ... classes **IgA**, **IgG** and **IgM** are the tests of choice for serum **diagnostics** [2, ... **Anti-Mycoplasma pneumoniae** antibodies **will** bind to the antigens coated in the ...

[Mycoplasma pneumonia: Clinical features and management - NCBI](#)

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作者: S Kashyap - 2010 - 被引用次数: 46 - 相关文章

Apart from **respiratory tract infections**, this organism is also responsible for ... differential **diagnosis**, treatment and prevention of **mycoplasma pneumonia**. ... **M. pneumoniae infections can** involve both the upper and **lower respiratory tract** and may **improve** lung function by both **anti** microbial and immuno modulatory effect.

[PCR versus serology for diagnosing Mycoplasma pneumoniae infection](#)

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作者: L Zhang - 2011 - 被引用次数: 36 - 相关文章

Diagnosis for Mycoplasma pneumoniae usually relies on serological tests. ... **accuracy** of PCR versus serological assays for **diagnosis** of **M. pneumoniae** ... (ii) Reference standard: serological assays incorporating Mp-IgM/IgG/IgA; (iii) that **M. pneumoniae can** be **detected** in **patients** without **respiratory** diseases by PCR

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Laboratory diagnosis of Mycoplasma pneumoniae infection ...

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Mycoplasma Infections Workup: Laboratory Studies, Imaging Studies

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2015年10月8日 - Consider the possibility of infection with M pneumoniae in patients of any age who ... recent years for the diagnosis of M pneumoniae respiratory tract infections is the ... The Remel IgG/IgM Antibody Test System (Thermo-Fisher) ... detection of M pneumoniae in up to 10 clinical specimens that can be tested ...

[PDF] The limitations of IgM assays in the serological diagnosis of ...

jmm.microbiologyresearch.org/content/journal/.../00222615-33-4-253? ▾ [翻译此页](#)

作者: M Sillis - 1990 - 被引用次数: 116 - [相关文章](#)

presence or absence of specific IgM in the presence of elevated specific IgA levels ... detection of current M. pneumoniae infection, including reinfections. Specific IgG ... antibody that could derive from an earlier infection. ... Ig M anti body, which characteristically appears ... response in patients with and without presumed M.



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Laboratory diagnosis of Mycoplasma pneumoniae infection ...

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作者: F Daxboeck - 2003 - 被引用次数: 258 - 相关文章

2003年3月26日 - For the diagnosis of mycoplasma pneumonia, serology and direct pathogen ... Most patients develop tracheobronchitis or upper respiratory tract In order to achieve a rapid diagnosis, separate detection of IgM or IgA The sensitivity of isolation on agar plates can be increased by using diphasic media.

Comparison of four Mycoplasma pneumoniae IgM-, IgG-and IgA ...

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作者: PA Csángó - 2004 - 被引用次数: 31 - 相关文章

Mycoplasma pneumoniae antibodies were studied in 504 blood donors and 102 patients ... IgM-, IgG- and IgA-specific enzyme immunoassays in blood donors and patients ... cause of community-acquired pneumonia and respiratory tract infections. ... Consequently, false-positive EIA results may lead to unnecessary use of ...

Mycoplasma: The Test - Lab Tests Online

<https://labtestsonline.org/understanding/analytes/mycoplasma/tab/test/> ▾

2014年5月13日 - In order to diagnose an active *M. pneumoniae* infection, a health ... The test involves inoculating patient media with the patient's sample and ... Testing may be done when an infection