

Name of Journal: *World Journal of Clinical Cases*

Manuscript NO: 56316

Manuscript Type: ORIGINAL ARTICLE

Clinical and Translational Research

***Streptococcus agalactiae*: Identification methods, antimicrobial susceptibility, and resistance genes in pregnant women**

Santana FAF *et al.* *S. agalactiae* identification, susceptibility, and resistance

Fabírcia Almeida Fernandes Santana, Tais Viana Ledo de Oliveira, Marcelo Barreto de Souza Filho, Lucas Santana Coelho da Silva, Breno Bittencourt de Brito, Fabrício Freire de Melo, Cláudio Lima Souza, Lucas Miranda Marques, Márcio Vasconcelos Oliveira

Abstract

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Meanwhile, all of 1,166 isolates of *Streptococcus agalactiae* from pregnant women in Kuwait showed susceptibility to penicillin, ampicillin and cephalothin, while 0.7% was resistance to ...

Antimicrobial susceptibility profiles, serotype ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4356882>

Oct 31, 2014 · Introduction. *Streptococcus agalactiae*, the group B streptococcus (GBS), is a gram-positive and encapsulated bacterium, which displays beta-hemolytic activity on blood agar. It is part of the commensal flora in the genital and lower gastrointestinal tracts in 10–40 % of healthy adults []. However, vaginal colonization by GBS during pregnancy may be clinically significant because it is ...

Cited by: 23

Author: N. Eskandarian, Zalina Ismail, V. Neela, ...

Publish Year: 2015

Commensal Streptococcus agalactiae isolated from patients ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3878097>

Commensal *Streptococcus agalactiae* isolated from patients seen at University Hospital of Londrina ... antimicrobial susceptibility profile and occurrence of virulence determinants. Results. A total of 83 GBS isolates were enrolled in this study. ... this bacterium can cause life-threatening invasive diseases in pregnant women, neonates or non ...

Cited by: 25

Author: Eliane Saori Otaguiri, Ana Elisa Belotto ...

Publish Year: 2013

Streptococcus agalactiae in Brazil: serotype distribution ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4061772>

Pinto TCA, Costa NS, Souza ARV, Silva LG, Corrêa ABA, Fernandes FG, Oliveira ICM, Mattos MC, Rosado AS, Benchetrit LC. Distribution of serotypes and evaluation of antimicrobial susceptibility among human and bovine *Streptococcus agalactiae* strains isolated in Brazil between 1980 and 2006.

Cited by: 82

Author: Vanusa G. Dutra, Valeria M. N. Alves, An...

Publish Year: 2014

Prevalence, antimicrobial susceptibility patterns ...

<https://doi.org/10.1186/1475-2875-10070-000-05005-1>



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Streptococcus agalactiae in pregnant women: serotype and **antimicrobial susceptibility** patterns over five years in Eastern Sicily (Italy) Carlo Genovese^{1,2} & Floriana D'Angeli^{3,4} & Valentina Di Salvatore⁵ & Gianna Tempera² & Daria Nicolosi^{1,2} Received: 21 May 2020/Accepted: 15 ...

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Streptococcus agalactiae in pregnant women: Phenotypic and ...

<https://www.sciencedirect.com/science/article/pii/S0163445307008213>

Feb 01, 2008 · **Streptococcus agalactiae in pregnant women:** ... 19 suggesting a clonal dissemination and a horizontal transfer of **resistance genes**. Phenotypic **methods**, however, have limited accuracy and often result in some non-typeable isolates.... **Antimicrobial susceptibility** was assessed by using the Kirby-Bauer disk diffusion test, ...

Streptococcus agalactiae

Bacteria

Streptococcus agalactiae is a gram-positive coccus with a tendency to form chains. It is a beta-hemolytic, catalase-negative, and facultative anaerobe.

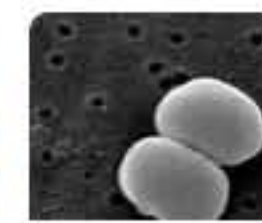


Wikipedia

Higher classification: Streptococcus**Scientific name:** Streptococcus agalactiae**Phylum:** Firmicutes**Order:** Lactobacillales**Family:** Streptococcaceae**Class:** Bacilli

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Streptococcus agalactiae in pregnant women: serotype and **antimicrobial susceptibility** patterns over five years in Eastern Sicily (Italy) Carlo Genovese^{1,2} & Floriana D'Angeli^{3,4} & Valentina Di Salvatore⁵ & Gianna Tempera² & Daria Nicolosi^{1,2} Received: 21 May 2020/Accepted: 15 July 2020 # The Author(s) 2020 Abstract

Author: Carlo Genovese, Floriana D'Angeli, Fl... **Publish Year:** 2020

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<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4950240>

Jul 19, 2016 · Background. **Streptococcus agalactiae** (group B **Streptococcus**, GBS) is the most frequent pathogen isolated from neonates with invasive bacterial disease and responsible for serious infections in newborns such as pneumonia, septicemia and meningitis. Infection is primarily acquired vertically from mothers colonized with GBS. However, the prevalence and **antimicrobial susceptibility**

Cited by: 13 **Author:** Abeba Mengist, Hemalatha Kannan, Ale...
Publish Year: 2016

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