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## T748GA - KANE MCDOWELL

*High prevalence and characterization of extended-spectrum ...*

Abstract. Background: Since the initial appearance in the 1980s, Enterobacteriaceae producing extended-spectrum  $\beta$ -lactamase (ESBL) have increased in prevalence and emerged as a major antimicrobial-resistant pathogen. The source of these antimicrobial-resistant bacteria in the developed world is an area of active investigation. Methods: A standard internet search was conducted with a focus on ...

*Proportion of extended-spectrum  $\beta$ -lactamase (ESBL ...*

The proportion of ESBL-producing isolates among 13 studies reporting on isolates from a urinary source varied from 1.5% to 22.8%. Four other studies evaluated various clinical samples from different hospitals, showing that the proportion varied from 12.8% to 21.1%.

Extended-spectrum  $\beta$ -lactamase-producing Enterobacteriaceae (ESBL-PE) represent a major problem in the management of nosocomial infections. However, ESBL-PE are not systematically monitored in African countries. The aim of this study was to determine ESBL-PE prevalence in patients from three hospitals in N'Djamena, the capital city of Chad, and to characterize the genetic origin of the ...

Results: The proportion of ESBL-producing isolates among 13 studies reporting on isolates from a urinary source varied from 1.5% to 22.8%. Four other studies evaluated various clinical samples from different hospitals, showing that the proportion varied from 12.8% to 21.1%.

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cephalosporin antibacterial agents (10-13).

ESBL phenotype and were confirmed by PCR. The proportion of ESBL producers in faecal carriage was statistically different between outpatients and student volunteers (23.1% vs. 6.7%:  $p < 0.000$ ). According to a univariate analysis, previous use of antibiotics (ciprofloxacin) appeared to be a risk factor for ESBL carriage ( $p < 0.05$ ).

Proportion of extended-spectrum  $\beta$ -lactamase-producing <it>Enterobacteriaceae </it>in community setting in Ngaoundere, Cameroon By Lonchel Carine, Meex Cécile, Gangoué-Piéboji Joseph, Boreux Raphaël, Assoumou Marie-Claire, Melin Pierrette and De Mol Patrick

*Extended-spectrum  $\beta$ -lactamase-producing Escherichia coli ...*

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Get Free Proportion Of Extended Spectrum B Lactamase Esbl Bing: Proportion Of Extended Spectrum B We analyzed antimicrobial susceptibility test results reported in healthcare-associated infections by California hospitals during 2014-2017. Approximately 3.2% of Enterobacteriaceae reported in healthcare-associated infections were resistant to carbapenems

Extended-spectrum  $\beta$ -lactamase-producing Escherichia coli (ESBL-E coli) are the largest group of multidrug-resistant pathogens from bacteraemias in the UK, presenting major challenges. E coli is also the major aerobic component of the human and animal gut biota and is a frequent contaminant of meat and the environment.

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A high proportion of Extended-Spectrum-Beta-Lactamase (ESBL) producing Enterobacteriaceae is causing common infections in all regions of the world. The burden of antibiotic resistance due to ESBL in East Africa is large but information is scarce and thus it is unclear how big the problem really is.

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The proportion of ESBLs in Enterobacteriaceae isolated from inpatients at Yaounde Central Hospital in Cameroon between 1995 and 1998 was found to be 12% [ 13 ]. However, no study on extended-spectrum  $\beta$ -lactamase (ESBL)-producing Enterobacteriaceae has been performed in the community.

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*Dramatic Increase in Prevalence of Fecal Carriage of ...*

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REVIEW Phenotypic detection of extended-spectrum b-lactamase production in Enterobacteriaceae: review and bench guide L. Drieux<sup>1,2</sup>, F. Brossier<sup>1,2</sup>, W. Sougakoff<sup>1,2</sup> and V. Jarlier<sup>1,2</sup> INSERM, U655-LRMA, Faculté 'de Medecine Pierre et Marie Curie (site Pitie´-Salpeˆtrie`re), Universite´ Pierre et Marie Curie-Paris 6 and 2Laboratoire de Bacte´riologie-Hygie`ne, Groupe Hospitalier Pitie´-

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Extended-spectrum beta-lactamase-producing *E. coli* (ESBL-EC), which are zoonotic in nature, is one of the commonest resistant pathogens responsible for human infections. Our recently published work showed that occupational exposure for over 10 years to poultry on farms and in live bird markets was a risk factor for acquiring multidrug-resistance (MDR) *E. coli* [ 7 ].

Extended-spectrum  $\beta$ -lactamase-producing *Escherichia coli* ...

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