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# Prevalence and antimicrobial susceptibility Pattern of ESBL producing Gram Negative Bacilli

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**Abstract :** The production of extended-spectrum-  $\beta$  lactamases (ESBLs) is an important mechanism for resistance to the third-generation cephalosporins. Awareness and the detection of these enzymes are necessary for optimal patient care. To determine the prevalence and the antibiotic sensitivity pattern of ESBL producing gram negative bacilli. A prospective study was conducted at a tertiary care teaching hospital. The ESBL producing organisms has been steadily increasing over the past years. The detection and treatment of these ESBL organisms are extremely limited. In the present study, to determine the Extended Spectrum Beta Lactamases producing organism which were isolated from various samples of Multispecialty hospitals in Chennai.

**Key Words :** Extended-spectrum-  $\beta$  lactamases, double -disk approximation test, Combination disk method.

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