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Research Article

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[**Prevalence and molecular analyses of extended spectrum -lactamase producing uropathogens among pregnant women, Jigawa state, Nigeria**](#)

Published On: August 25, 2020 | Pages: 033 - 038

Author(s): Eze L Chinyere*, Sani M Nura, Gumel M Ahmad, Amoo F Kemi and Mujahid N Sani

The Extended Spectrum -Lactamase (ESBL)-producing uropathogens are of serious clinical concern worldwide. They are plasmid-mediated enzymes that are capable of hydrolysing virtually all -lactam antibiotics including oxyimino-cephalosporins and monobactams. In this study, the uropathogens and risk factors for Urinary Tract Infections (UTI), their antibiotic susceptib ...

[Abstract View](#) | [Full Article View](#) | [DOI: 10.17352/jcmbt.000041](#)

Case Report

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[**Colonic perforation in 91- year- old man with severe Covid-19 infection**](#)

Published On: December 24, 2020 | Pages: 041 - 043

Author(s): Khin Phyu Pyar*, Min Aung Shan, Soe Win Hlaing, Diwon, Zarni Htet Aung, Soe Min Aung, Nyan Lin Maung and Aung Phyo Kyaw

A-91-year old man had severe Covid-19 infection (bilateral pneumonia, SaO₂ 85% on air). He was treated with antibiotics, oxygen, dexamethasone and convalescent plasma therapy. On day 28 symptom onset, he noticed abdominal distension without abdominal pain. CT abdomen revealed pneumoperitoneum. An area of perforation at colon with mucosal haemorrhage was seen in laparo ...

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Short Communication

Magnetic hydrogel for the rapid elimination of environmental harmful ions

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Author(s): Yoshihisa Namiki*

We have newly devised konjac glucomannan hydrogel pellets containing micrometer-sized iron particles and hydrotalcite powder [1], by which we can efficiently remove environmental harmful ions such as selenium, boron, fluorine and arsenic.

Glucomannan hydrogel forms three-dimensional network which can stably immobilize these materials Figure 1. Iron

Magnetic hydrogel (...

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