

Clinical and Medical Case Reports

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Concerns about multiple pathogens infection related to excessive application of antibiotics

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Patient 1059732, female, vaginal delivery on 2nd March. G1P1, 40w +1. On 9th March, postpartum day 9, she came to ER of Qingdao United Family Hospital from a postpartum care center with high fever for 1 day, and one episode of vomiting and flank pains. According to clinical findings and urinalysis, urinary tract infection was diagnosed. Stat dose of Ceftriaxone IV was given and patient was discharged with oral Cefixime. Although symptoms were better after treatment, she was admitted to another local hospital due to concerns of infectious disease during postpartum, with several kinds of broad-spectrum antibiotics use for several days (including Quinolones and 3rd generation cephalosporins IV). On 16th March patient came back to our hospital again for high fever 40.1°C with fatigue/sore throat/coughing/runny nose/ oral mucosa pain. Fungal infection in oral mucosa/ influenza A/ acute bronchitis were diagnosed with laboratory and radiological examinations. After oral Oseltamivir and topical Nystatin, with antibiotics reduction and IV rehydration fluids, her general condition was getting better and was discharged home after 3 days admission. There's concern about multiple pathogens infection related to excessive application of antibiotics in China for a long time. Several factors were most related: lack of antibiotics management and monitor, difficulties of extensive clinical data collection and excessive prescription due to concerns of less effective.

Biography

For over 21 years, United Family Healthcare (UFH) has been attracting many experts from the North America and Europe. With more than 400 doctors in the UFH network in China and Mongolia, 50% of the team is from over 25 countries. There's persisted Antimicrobial Stewardship Program to guide antibiotics use by ordering with Antimicrobial Order Pop-up Alert System, using latest guidelines and local UFH antibiogram to guide treatment decisions, consulting with ID expert per UFH policy on complex cases, and supporting development of patient education. It helps reasonable antibiotics application in China.

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