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Name of Journal: *World Journal of Clinical Infectious Diseases***Manuscript NO:** 56168**Manuscript Type:** SYSTEMATIC REVIEW**Antibiotics for complicated urinary tract infection and acute pyelonephritis: A systematic review**

Leong Tung Ong

Abstract**BACKGROUND**

The increasing rates of antibiotic-resistance in the recent years has caused the

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Introduction

Methods

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Acute pyelonephritis is a frequent cause of morbidity, reaching an annual incidence of 12–13 cases per 10000 women, and >10000 hospital admissions per year in the USA.^{1,2} In the current International Clinical Practice Guidelines for the treatment of acute pyelonephritis, the recommended duration of treatment for pyelonephritis is 7 days for fluoroquinolones, 10–14 days for β -lactams and 14 days for trimethoprim/sulfamethoxazole.³ No recommendation is provided for women or men hospitalized...

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This topic will **review** the approach to adults with **acute complicated UTI**, which we define as a **UTI** that has possibly extended beyond the bladder (ie, **UTI** with fever or other **systemic** symptoms, suspected or documented **pyelonephritis** and **UTI** with sepsis or bacteremia)

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Duration of Antibiotic Treatment for Acute Pyelonephritis ...

<https://www.ncbi.nlm.nih.gov/pubmed/23696620>

Background: **Acute pyelonephritis** is a frequent cause of morbidity, with a wide variation in duration of therapy. We performed a **systematic review** of all randomized controlled trials (RCTs) comparing ≤ 7 days treatment with a longer course.

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Context: **Acute pyelonephritis** may result in renal scarring. Recent prospective studies have shown a small benefit of **antibiotic** prophylaxis in preventing symptomatic and febrile **urinary tract infections** (UTIs), while being underpowered to detect any influence in prevention of renal damage.

Cited by: 22**Author:** Ian K. Hewitt, Marco Pennesi, William Mo...**Publish Year:** 2017

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