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EVALUATION OF ANTIBIOTIC UTILIZATION IN PEDIATRIC ACUTE UPPER RESPIRATORY TRACT INFECTION (AURTI) PATIENTS AT THE OUTPATIENT & INPATIENT DEPARTMENTS OF X HOSPITAL IN DEPOK CITY USING THE GYSSENS METHOD

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ABSTRACT

Acute Upper Respiratory Tract Infection (AURTI) is a disease that arises due to acute infections affecting the upper respiratory tract, typically caused by bacteria and viruses. In the treatment of ISPaA, antibiotics and supportive therapies such as antihistamines, pain and fever relievers, decongestants, corticosteroids, bronchodilators, mucolytics, expectorants, and vitamins are used. Antibiotics are not the primary therapy; however, they are employed to address infections caused by bacteria. Based on the Health Profile of Depok City from 2017 to 2022, ISPA has consistently been among the top 10 prevalent diseases for the past 6 years. The data indicates that ISPA is a recurring health issue annually, with various factors contributing to its rising incidence, including irrational treatment practices. This study aims to ascertain the pattern and rationality of antibiotic usage in ISPA therapy. It adopts a non-experimental research design, employing retrospective data collection and descriptive analysis using the Gyssens method. Sampling is conducted through Purposive Sampling or targeted sampling techniques, where the subjects possess predetermined characteristics based on inclusion and exclusion criteria. Data is gathered from ISPaA patients at a hospital in Depok City. The results of this research will reveal the antibiotic usage pattern and the rationality of its application, categorized into the criteria of Category 0 (rational) and Categories I-VI (irrational). The study's outcomes will shed light on the antibiotic utilization practices and their rationality in ISPaA therapy, potentially guiding medical practitioners towards more informed and appropriate treatment choices.

Keywords: *Acute Upper Respiratory Tract Infection (AURTI), Antibiotics, Toddlers, Rationality, Gyssens Method*

(xi-82)

Reference (1997-2023)