

### NJP PJN GUW UUZ

Title: Pharmacological Management of Upper **Respiratory Tract Infections in Children: An Assessment of a Tertiary Institution Practice.** 

## Ogbo, Patricia Uche. Obeka, Ifeyinwa Chinyere. Ayeni, Foluke Adenike. Asiegbu, Uzoma Vivian. Ewah, Richard Lawrence. Okonkwo, Chioma Assumpta

Department of Clinical Pharmacy and Biopharmaceutics, Faculty of Pharmacy University of Lagos.

patriciaogbo@gmail.com, +2348029439696,







Therapy addressing symptoms is

recommended for the management

of URTI. Antibacterial treatment of

URTIs, in the absence of culture &

sensitivity test is a risk factor for

antimicrobial resistance.



Ge	ender & age distribution of patie	nts			
	275 case notes were assessed. 90				
patients (32.7%) were between 1 & 11					
months &17 (6.2%) were 60 months of					
					a
(months).157 (57.1%) of the cases					
V	vere males & 118 (42.9%) females.	-			
Tabl	e 1: Tests done & patient diagnos	sis			
Varia bles	Characteristics	Freq (%)			
Tests	Nil	265			
		(96.4)			
	Full blood count	1(0.4)			
	Malaria Rapid Diagnostic Test, Microscopic	1 (0.4)			
	Eull blood count Molorio porogito blood film	1(0 4)			
	Far Swah	1(0.4) 1(0.4)			
	Malaria Rapid Diagnostic Test	1(0.4) 1(0.4)			
	Full blood count, blood film	1 (0.4)			
	Xray, blood film, nasal fixture	1 (0.4)			
	Malaria parasite, blood group	1 (0.4)			
	Fasting blood sugar, stool test	1 (0.4)			
	Full blood count, blood film, Microscopic	1 (0.4)			
	Culture and Sensitivity, throat swab				
	Total	275			
<b>D</b> 1		(100)			
Diag	Non-specific URTI	207			
nosis		(75.3)			
	IONSIIIUS	40			
	Otitic media	(10.7) 8 (2 0)			
	Rhinitis	6(2.9)			
	Cough	5(2.2)			
	Common cold	1 (0.4)			
	Cough/common cold/URTI	1 (0.4)			
	Rhinosinusitis	1 (0.4)			
	Total	275			
		(100)			



n= 212

79 (37.2)

Augmentin

To assess the medications used in the

management of URTIs in children under-

five years of age.

# Methods

A retrospective review of prescription for

URTI 's in under-fives, for a period of

12 months in a tertiary hospital in

	Azithromycin	38 (17.9)
	Cefuroxime (zinnat)	27 (12.7)
	Cefixime	14 (6.6)
	Amoxil	13 (6.1)
F1	Cefpodoxime (orelox)	6 (2.8)
	Septrin	4 (1.9)
	Ciprofloxacin	3 (1.4)
	Erythromycin	3 (1.4)
	Ofloxacin	1 (0.5)
F2	Cefuroxime, Erythromycin	4 (1.9)
	Augmentin, Azithromycin	4 (1.9)
	Cefuroxime, Azithromycin	3 (1.4)
 -	Augmentin, Cefpodoxime	1 (0.5)
	Augmentin, Erythromycin	1 (0.5)
	Cefuroxime, Clarithromycin	1 (0.5)
	Cefpodoxime(orelox), Flagyl	2 (0.9)
	Cefpodoxime, Azithromycin	2 (0.9)
	Azithromycin, Septrin	1 (0.5)
	Cefixime, Azithromycin	2 (0.9)
	Cefuroxime, Azithromycin, Septrin	1 (0.5)

# Conclusion

The study revealed that Antibiotics is

### Abakaliki, Ebonyi State was conducted.

Systematic sampling technique was

used to select prescriptions with interval

of five working days in each month. Data

was entered into SPSS version 28.0.

Descriptive analysis was done.



Fig 1: Number of medications & antibiotics

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the mainstay for the pharmacological management of URTI. Most cases received unnecessary prescription as culture and sensitivity tests were not done before antibiotic therapy initiation.

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