CURBING UNNECESSARY ANTIBIOTICS PRESCRIPTION FOR PERICORONITIS IN CHERAS



¹ Klinik Pergigian Cheras, ² Klinik Pergigian Bandar Tun Razak, ³ Klinik Pergigian Cheras Baru

antibiotics prescription.

which is not indicated.

SELE		PORTU	NIIIE	S FC	or imp	ROV	EME	NT
PROBLEMS		S	М	Α	R	Т	TOTAL	
Increased incidence of unnecessary antibiotic prescription for pericoronitis			24	24	21	21	24	114
Low coverage of new antenatal patients			21	12	18	18	21	90
Increased in repetition	cidence of x-ra	ay	12	24	12	12 21 81		
Increased in steps during	cidence of repo denture fabric	eated ation	12	18	15	12	21 78	
Not important	Less important	Neutral	Impo	rtant	Very li	Important No. of		
1	2	3	4			5	Voters : 5	

JUSTIFICATION

- S Unnecessary prescribing of antibiotics can lead to antimicrobial
- resistance and unwanted side effects to the patients
- M Data can be obtained from the prescription slips and patient's clinical records (LP8)
- A Curbing inappropriate antibiotic usage is in line with principles of
- medical ethics and antimicrobial stewardship
- R Remedial measures such as reminders and awareness talks are
- readily implementable Data collection and remedial measures can be implemented
- within an acceptable timeline

INTRODUCTION & DEFINITION

PROBLEM : From January to June 2022, 76.2% of antibiotic prescriptions for pericoronitis cases were deemed unnecessary.

"Inappropriate antibiotic prescribing"

Antibiotics prescribed for indications in which their use is not warranted¹

"Pericoronitis"



Inflammation of the gingiva in relation to the crown of an incompletely erupted tooth; most commonly occurring in the mandibular third molar area²

There are surgical and non-surgical treatment options for pericoronitis. Systemic antibiotic prescription is a non-surgical treatment option indicated when there is a systemic spread of infection suspected.²

OBJECTIVES GENERAL OBJECTIVE SPECIFIC OBJECTIVE To verify the percentage of inappropriate antibiotic prescription for pericoronitis To reduce the percentage of inappropriate antibiotics prescription among patients To determine factors contributing to the diagnosed with high percentage of unnecessary prescription of antibiotic in pericoronitis pericoronitis in Cheras cases To formulate and implement remedial measures to reduce the percentage of inappropriate prescription of antibiotic for pericoronitis To evaluate the effectiveness of remedial measures **KEY MEASURES FOR IMPROVEMENT** Indicator Percentage of patients with pericoronitis receiving unnecessary antibiotic prescription in Cheras Formula Total no. of patients with pericoronitis receiving unnecessary antibiotics x 100% Total no. of patients having pericoronitis prescribed with antibiotic



ANALYSIS & INTERPRETATION

Only 54% of dental officers were confident with their knowledge on indications for

More than 25% of dental officers would prescribe antibiotics for localised pericoronitis,

PROCESS OF CARE



PROCESS OF GATHERING INFORMATION

Study Design Observational Chudy

Study Design	Observational Study	
Sampling Method	Universal Sampling	
	Inclusion Prescription for all pericoronitis patients	
Sample Criteria	Exclusion Pericoronitis patients prescribed with analgesic only Prescription of antibiotics for pericoronitis patients without proper record of clinical examination	
Data Tools	Prescription slips Treatment cards (L.P.8-2 PIN.8/2019)	
Data Collection	<u>Verification data</u> Collected retrospectively in Feb 2023 (Data from Jan - Jun 2022)	I
	<u>QA study data</u> May - Nov 2023 (1 st cyle) Dec 2023 - Jun 2024 (2 nd cycle)	



80

ABNA

ABNA

3. Expansion of project to other dental clinics in WPKL&P.

Post-Remedial

REFERENCES

Clinics in Cheras

1. National Antimicrobial Guideline (NAG) 2019, 3rd Edition. (2015, May 11). Pharmaceutical Services Programme. https://pharmacy.moh.gov.my/en/documents/nationalantimicrobial-guideline-nag-2019-3rd-edition.html

2. Kwon, G., & Serra, M. (2024). Pericoronitis. In StatPearls. StatPearls Publishing. http://www.ncbi.nlm.nih.gov/books/NBK576411