

PROPHYLAXIS ANTIBIOTIC ON APPENDECTOMY
IN A HOSPITAL OF BANTUL YOGYAKARTA
FROM JANUARY TO DECEMBER 2005

BY

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- The research is destined for knowing the rationality use of prophylaxis antibiotic on appendectomy in the hospital
- The parameter is right of indication, right of drug, right of dose and right of patient; including how many percent of irrational use of prophylaxis antibiotic.

Method

- The research was descriptive retrospective design using medical record of appendectomy patients in hospital of Bantul Yogyakarta from January to December 2005.
- Data was taken from medical record of the patient including name, age, data of function of liver and patient kidney, antibiotics used, dosage and the price of antibiotics.

- Target population is all of appendectomy patients, while population data is all of appendectomy patients in hospital of Bantul Yogyakarta from January to December 2005.
- The use of prophylaxis antibiotic was analyzed its rationality based on 4 right criteria in literature Drug Evaluation Annual 1994 and Pedoman Penggunaan Obat 1992.

PATIENTS CHARACTERISTIC

Age (Tahun)	sex		Total of patient	Percentage (%)
	Male	female		
0-1 (neonatus)	-	-	-	-
>1-12 (children)	-	1	1	1,2
>12-20 (teenager)	5	14	19	22,9
>20-60 (adult)	29	31	60	72,29
>60 (geriatri)	1	2	3	3,61
Totals	35	48	83	100

Distribution of appendicitis type

No	Diagnosis	cases	Percentage (%)
1	Chronic Appendicitis	59	71,09
2	Acute Appendicitis	21	25,3
3	Perforation Appendicitis	3	3,61
	Totals	83	100

Distribution of antibiotic use in appendectomy patients

No	Antibiotic	cases	Percentage (%)
1	Ceftriaxon	73	88
2	Cefotaxim	3	3,6
4	Cefuroxim	4	4,8
5	Ceftriaxon-Metronidazol	3	3,6
	Totals	83	100

Rationality analysis based from 4 parameters

Rationality Analysis	Percentage (%)
Right indication	100
Right drug	100
Right dosage	92,77
Right patient	100

Rationality of antibiotics used in appendectomy patients

Rasionality Analisis	cases	Percentage (%)
Rational	77	92,77
Irrational	6	7,23
Totals	83	100

CONCLUSION

- Rationality of prophylaxis antibiotic ; from 83 appendectomy patients was 92,77%. 11
- Cost of irrational usage of prophylaxis antibiotic as many as \$ 1700 for 6 patients.

