



ANALYSIS OF THE USE OF PERIOPERATIVE ANTIBIOTIC PROFPHYLAXIS 51

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BACKGROUND AND IMPORTANCE

The administration of appropriate antibiotics perioperatively can prevent surgical injury infections.

Surgical prophylaxis accounts 30-50% antibiotic use in surgical services.

Updating-monitoring protocols is a priority measures to improve antibiotic use by PROA teams.

AIM AND OBJETIVES

Analyze perioperative antibiotic prophylaxis prescriptions. Determine if they adapt to current local-protocols.

MATERIAL AND METHODS

Prospective observational study (May-December 2023) in 2ndlevel-hospital.

Inclusion criteria: surgical interventions in inpatient surgery regimen.

Exclusion criteria: outpatient surgery interventions.

Variables:



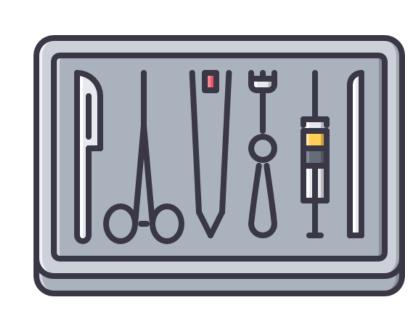
- Age-gender.
- Adverse drug reactions (ADR).
- Surgical area.
- Type of surgery
- Intervention procedure.
- Antibiotic prophylaxis: compliance with local protocol and discrepancies found.

Data was obtained from electronic-medical record. Collected-analyzed in Excell®.

RESULTS



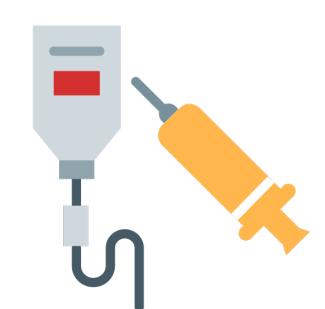
200 patients were included. 130 patients were men. **Median age 60 years** (IQR 49-71). 4 patient were **allergic to antibiotics**, one patient was given an alternative antibiotic.



Major surgical areas: General Surgery Digestive System 110 interventions, Urology 48 **Type of surgery:** 89 clean, 68 clean-contaminated.

Majority intervention procedures: 33 hernioplasties, 26 transurethral-resection prostate/bladder, 16 cholecystectomies, 14 colon-rectum-distal-ileum surgerie.

Antibiotic prophylaxis used in 146 patients complied with local protocol.



Main discrepancies:

- Prescribing another antimicrobial agent than in the protocol in 15 cases
- Prescribing an antimicrobial agent in patients who didn't meet risk factors for administration in 11
- Using an alternative protocol regimen in patients not allergic to drug of choice in 9.
- The majority of discrepancies were found in clean-interventions

CONCLUSION AND RELEVANCE

Monitoring perioperative antibiotic prophylaxis guidelines is key to determine if whether the current local protocol is being followed. Also to consider if it needs to be re-evaluated and updated with PROA team

