EVALUATION OF ANTIBIOTIC PRESCRIBING PRACTICES IN PUBLIC AND PRIVATE HOSPITALS



A. Breteau¹, D. Fuss¹, E. Fiaux², J. Doucet¹, D. Monzat¹

¹OMEDIT Haute-Normandie - CHU Rouen, ²Normantibio, Rouen, France

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BACKGROUND AND OBJECTIVE:

The development of bacterial resistance these last ten years is a public health major problem in the world and needs to implement actions.

In France, the national drug safety agency has defined a list of "critical antibiotics".

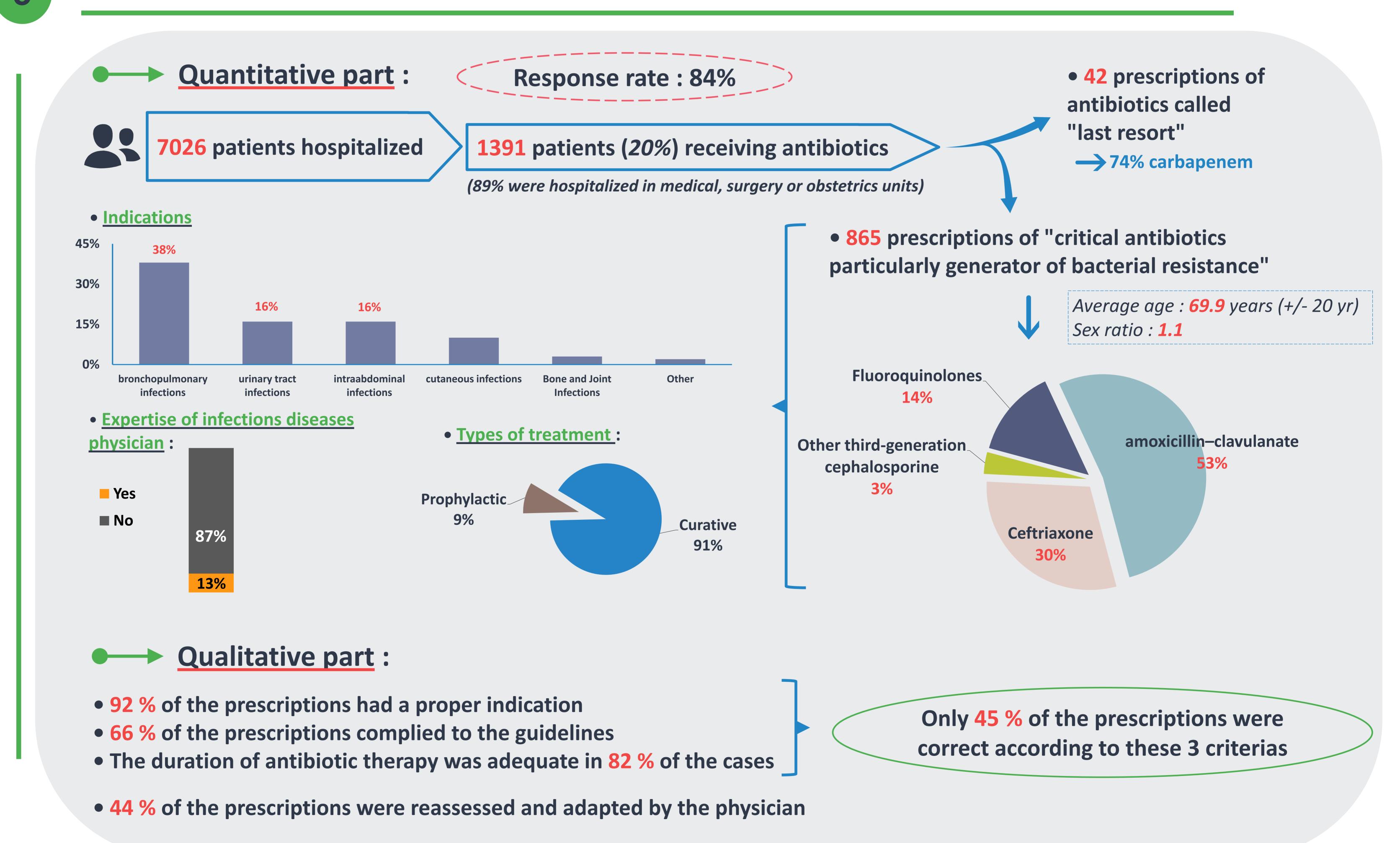
- This list includes :
- Antibiotics particularly generator of bacterial resistance (amoxicillin-clavulanate, cephalosporine, fluroquinolone)
- Antibiotics called "last resort" (antibiotics against Gram-positive cocci, carbapenem...)
 - At our regional level, an evaluation of prescription of these critical antibiotics was proposed to all medical centers. The aim was to evaluate the quality of prescription of these critical antibiotics.

2 DESIGN:

The regional working group (pharmacists, infectious diseases physicians and biologists) had developed a collection grid including <u>data on patients</u>, <u>antibiotics</u> and <u>4 criterias</u>: adequate molecule, compliance with medical prescriptions, duration of antibiotic therapy and reassessment at 72 hours.

- → This is a <u>prospective study</u> proposed to all health institutions (public and private), which had to be completed on a given day in all care units and had to be conducted by a team of multiprofessional evaluators.
- The study included:
- a quantitative part (number of patients hospitalized in the audited units, number of patients receiving antibiotics and number of critical antibiotic prescriptions)
- a qualitative part (adequation to the 4 criterias)

3 RESULTS



CONCLUSION:

This study is original because of its regional dimension and antibiotic analysis. The number of analysed prescriptions was significant with an overall proper prescription in adequation with the guidelines. However, actions must be implemented on duration and reassessment and adjustment of treatment. These results were presented to the participating hospitals. These 3 points will be reevaluated during a new regional audit.