

ASSESSMENT OF THE EFFECTIVENESS OF MONITORING VANCOMYCIN IN PATIENTS UNDERGOING HAEMODIALYSIS

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PURPOSE

- To assess the effectiveness of monitoring Vancomycin in patients undergoing hemodialysis.
- The effectiveness of the interventions by the pharmacy service to reach the target concentration.

MATERIAL AND METHOD

Patients undergoing hemodialysis whose Vancomycin levels had been monitored by the pharmacy service between May 2012 to April 2013 at a tertiary level hospital.

The variables collected were: age, sex, weight, residual renal function, type of infection, type of microorganism, target level, type of dialysis membrane, initial dose, recommended dose, range of valleys and effectiveness of treatment.

The target serum concentration was between 15-20 µg/ml in serious infections, and 10-15 µg/ml in milder cases.

RESULTS



- Loading doses between 5 and 23,8 mg/kg.
- Recommended doses between 500 mg y 2000 mg

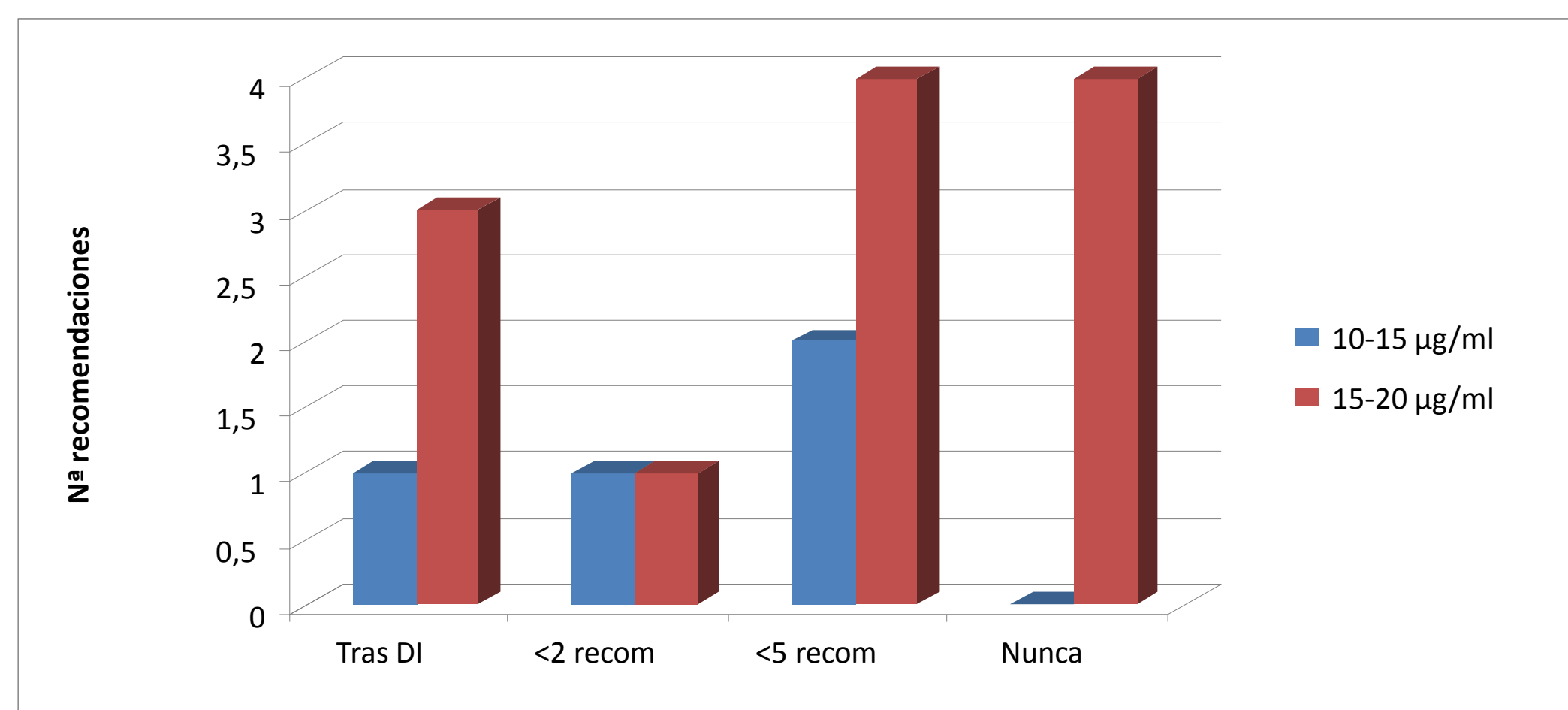


Figure 1. Number of recommendations needed to reach the target level

CONCLUSIONS

- The infection was solved in 86% of cases.
- The target concentration was reached in 79% of them.
- These results justify a broader analysis to establish a treatment-guide with Vancomycin in patients undergoing hemodialysis.