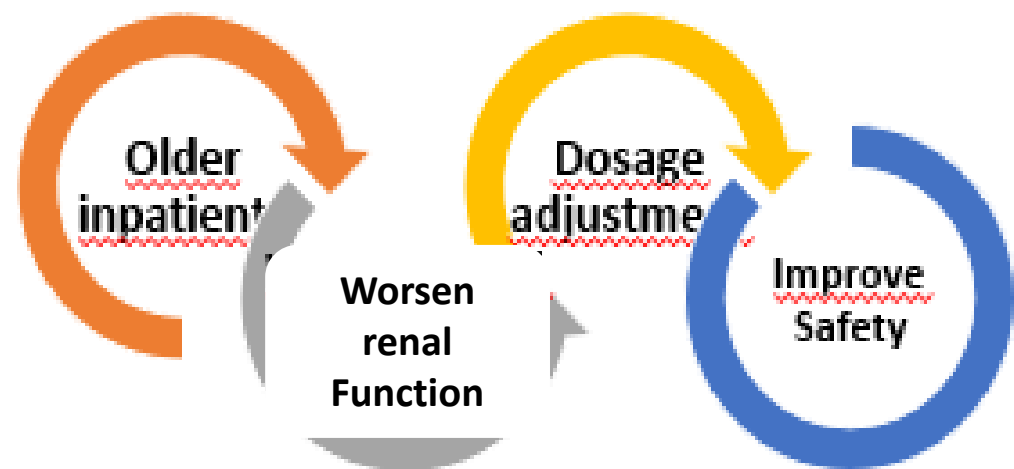


EVALUATION OF AN APPLICATION TO HELP FOR THE ADEQUACY OF THE DOSAGE OF ANTIBIOTICS IN RENAL FAILURE

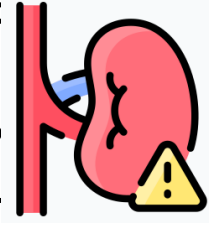
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Background and importance



Aim and objectives

To improve the safety of prescribing antibiotics requiring renal adjustment during hospital admission.



Materials and methods

In the drug prescription system, we can indicate the recommended dosage according to the GFR interval of each drug.

Amoxicillin-Clavulanic 875mg/125mg

Dosage adjustment according to glomerular filtration

Association of different dose of the same drug

If from a certain GFR, its prescription is not recommended, the program warns you and advises against its use.

Within the prescription program, the value of the patient's last GFR can be displayed with the date of the analysis

FIGL: (04/09/2023 09:48) 24,54 ml/min

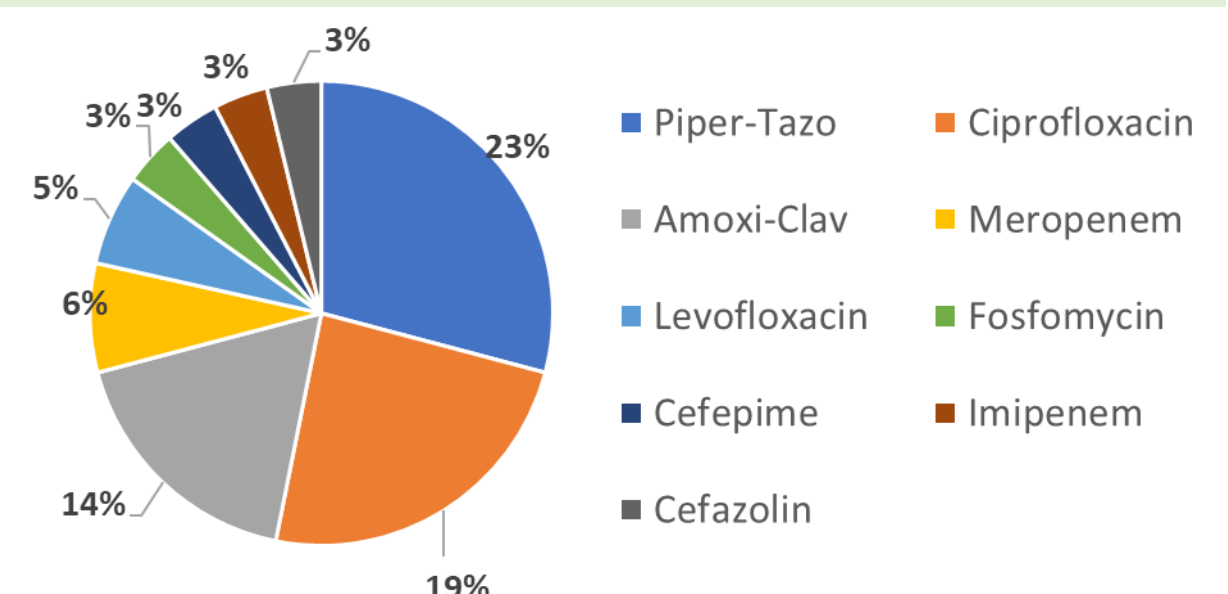
Different GFR intervals can be added and if necessary a different dose of the same drug can be associated. When the program alerts that the drug requires a change of dose, proposes it automatically, which entails agility at the time of making the prescription.

If dosage adjustment is not necessary according to clinical criteria, the conventional regimen can also be prescribed.

Results

2019-2023 → **28,701** dosage adjustments
Of these, **6,081** (21%) correspond to **antibiotics**.

Dosage changed due to renal failure.



Conclusion and relevance

This application has helped us to improve the adequacy of the dosage of antibiotics in case of renal failure.