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COSTS OF TRIPLE THERAPY AND THE HOSPITAL PHARMACIST'S ROLE

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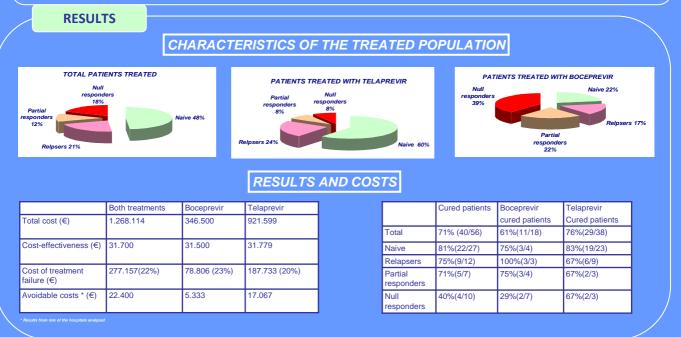
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OBJECTIVES

Recently, there have been major changes in hepatitis C cure rates, mostly because of the use of the new protease inhibitor (PI) drugs, but also a significant increase in treatment costs. The application of stopping rules, included in their product information can avoid adverse effects to patients and save costs to the Health System. The objective was to analyze costs of healing and costs associated to PI's treatment failure, including those arising from non compliance with stopping rules of boceprevir (BOC) and telaprevir (TVR) and to establish some improvement measures to reduce them.

METHODS

Retrospective observational study of PI's treatment costs in two hospitals, from January 2012 to February 2014. Data were obtained from the pharmacotherapy management database Farmatools ®. In one of the hospitals we analyzed some avoidable costs, arising frome the non-compliance of the stopping rules.



DISCUSSION

We found similar results to that of the clinical trials publicated of each drug for naive and relapsers patients; better in partial responders and worse in null responders. Besides, there were better results in telaprevir than in boceprevir treated populations. However, these two grops have completely different characteristics, that make the first one more easily to respond. Costs of cured patients as well as failure ones, reflect this differences. On the other hand, we calculated some costs arising from the non-compliance with the stopping rules described in their information product, which represent 12.5 and 19% of the total failure costs of telaprevir and boceprevir respectively.

CONCLUSION

We found efficacy and cost differences between both PIs, probably due to different characteristics of each population treated. A good coordination between pharmacist and physicians from the beginning of each treatment as well as soon pharmaceutical intervention may result in a minimization of costs of the triple therapy, especially those associated to non-compliance with stopping rules.