

# MULTIDISCIPLINARY TEAM AIMED TO OPTIMISE INDIVIDUALISED SPECIAL DRUGS PRESCRIPTIONS AND AUTHORISATION BY HOSPITAL MEDICAL DIRECTOR THROUGH AN INFORMATIC APPLICATION

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## **BACKGROUND AND IMPORTANCE**

Special drugs prescription and authorization by Hospital Medical Director is a necessary but time lasting activity, that could even delay the start of treatment in some cases. To avoid documents and improve traceability, since 2014 our third-level hospital is using an internal application (Rafpharma®). This works as a mailbox: the treatment request for a specific patient is created by the physician, head of the Service agrees, Pharmacy Service assesses suitability and Medical Director (MD) authorizes/denies the treatment requested.

## **AIM AND OBJETIVES**

To optimize the individualized special treatments requests circuit.

## **MATERIALS AND METHODS**

A multidisciplinary working team (MWT) was created, including five hospital pharmacists, the head of Pharmacy Department (PD), an internal medicine physician, the hospital medical director, and an hospital informatic, aimed to analyze all the requests, identify lacks of efficiency and propose solutions to optimize the circuit.

## **RESULTS**

9 workteam meetings were held between February and June 2018. Each of the 1.641 requests in 2017 was analyzed. The main causes reducing the efficiency of the system were: high volume of requests, time spent in the application and lack of knowledge by the persons involved.

Aimed to improve the efficiency of the system, the working group implemented the following measures:

- 1.Reduce the number of treatments that require authorization from the medical director, with the agreement of the Pharmacy and Therapeutics Committee (FTC). This was possible by avoiding the need for special request for certain drugs, affecting 39% of all the requests; encouraging three medical services to request approval of off-label use by the FTC, of which two did it and finally the group recommended several medical services to make a formal request to include 11 drugs in the Hospital (only 3 have been requested).

- 2.Optimization of Rafpharma® application by the Informatic Department.

- 3.Development of Rafpharma® user protocols by user profile.

- 4.Planning of specific training sessions in involved Departments.

## **CONCLUSION AND RELEVANCE**

The optimization process of the individualized request circuit led to improve the three main problems detected. The group reduced the circuit's workload by near 40%.

The creation of MWTs makes possible approaching any key process from all points of view, allowing to make proposals for optimization agreed upon.