

# IMPLEMENTATION OF A MONITORED INFORMATION SYSTEM PROTOCOL IN PHARMACEUTICAL MONITORING

TCH-019

P. Cid Silva<sup>1</sup>, L. Margusino Framiñán<sup>1</sup>, A. Mena de Cea<sup>2</sup>, L. Sánchez Sánchez<sup>3</sup>, I. Martín Herranz<sup>1</sup>.  
<sup>1</sup>Department of Pharmacy, <sup>2</sup> Internal Medicine Service, <sup>3</sup> R&D Department of Computing Service  
 Xerencia Xestión Integrada A Coruña, Spain

## BACKGROUND

SiMON protocol  
(Monitored Information System)



A tool for monitoring patients attending a particular consultation

### Main objective:

To streamline care by automating patient information related to such consultation.

### Provides a record for:

- Future analysis of information collected
- Possibility of exporting information
- Scorecards
- Prediction of comorbidities

Developed by



R&D DEPARTMENT OF HOSPITAL'S COMPUTING SERVICE

## PURPOSE

To describe the implementation of SiMON in pharmaceutical monitoring of patients with viral diseases (HIV/HCV)

## MATERIALS AND METHODS

### Review of antiretroviral technical datasheets

PEGYLATED INTERFERON, RIBAVIRIN AND PROTEASE INHIBITORS (BOCEPREVIR/TELAPREVIR)

### Review necessary literature to collect criteria and general recommendations for:

- TREATMENT OF THESE DISEASES
- ADVERSE MEDICATION EFFECTS
- INTERACTIONS BETWEEN THESE MEDICATIONS AND OTHERS
- CONTRAINDICATIONS IN USE

## RESULTS

For implementation of SiMON Programme in pharmaceutical monitoring of patients with HIV/HCV



REVIEW

15 DATASHEETS OF ANTIVIRAL MEDICATIONS



Usage alerts + recommendations in each of them have been established

	ALERTS	RECOMMENDATIONS
Patient data	83	<ul style="list-style-type: none"> <li>➤ Contraindication</li> <li>➤ Usage precaution:                             <ul style="list-style-type: none"> <li>▪ treatment suspension</li> <li>▪ dosage adjustment</li> <li>▪ change the drug which is being interacted for an alternative</li> </ul> </li> </ul>
Prescribed dosage	34	
Laboratory test results	94	
Drug-drug Interactions	484	

We have also collected 482 medication side effects that have had to be structured in tree form so they could be encoded by Computing Service

## CONCLUSIONS

- ✓ SiMON protocol, a tool that increases efficiency of patient monitoring in a multidisciplinary way, gives the possibility of registering side effects and generating alerts regarding medications and possible exploitation of data.
- ✓ Collaboration between different services achieves better performance of tools at our disposal.



SERVIZO GALEGO de SAÚDE | Xerencia Xestión Integrada A Coruña

