IMPACT OF SUPPLY PROBLEMS IN A HOSPITAL PHARMACY SERVICE

B. ZARATE¹, A. PIERAS¹, C. CARRILES¹, R. MENARGUEZ², A. RODRIGUEZ³, A. ARIAS⁴, I. MARAY⁴, C. ALVAREZ⁵, A. IGLESIAS⁵, I. ZAPICO⁵, A. MARTINEZ⁵.
¹HOSPITAL UNIVERSITARIO CENTRAL DE ASTURIAS, PHARMACY, OVIEDO, SPAIN.

Purpose:
Analyze supply issues (SI) and their impact on the management of drugs in the Pharmacy Service of a Third Level Hospital.

Material and methods:
• Prospective study
• Evaluate the SI started between June and August of 2018
• Variables collected

Results:
• 49 SI affecting 48 drugs
• 25 SI remain active at the end of the period of study
• Duration average → 37 days (2-104)
• 53% of the affect drugs are considered essential by the WHO
• In 23% stock shortage
• Half of the cases → global shortage of the molecule and in 71% there is an alternative that allows the change of drug.
• The total additional cost of supply problems was 38.511€.

Conclusions:
• SI make difficult the management of medicines
• Consume a significant amount of resources
• Shortages usually increase treatment costs.
• Most of supply problems are essential drugs, these problems can compromise the quality of health care and patient safety.