

STABILITY STUDY OF STANDARDISED FLUID THERAPY PREPARED BY THE PHARMACY DEPARTMENT TO TREAT PEDIATRIC DIABETIC KETOACIDOSIS

Autores: <u>M.A. CRESPI CIFRE¹</u>, <u>M. SANZ MUÑOZ¹</u>, <u>C. MARCH FRONTERA¹</u>, <u>F. DE PACO MARTIN¹</u>, <u>M.B. BADAL COGUL²</u>, <u>M. VILANOVA BOLTÓ¹</u>. ¹HOSPITAL UNIVERSITARI SON LLÀTZER, HOSPITAL PHARMACY, PALMA DE MALLORCA, SPAIN. ²HOSPITAL UNIVERSITARI SON LLÀTZER, CLINICAL ANALYSIS LABORATORY, PALMA DE MALLORCA, SPAIN.

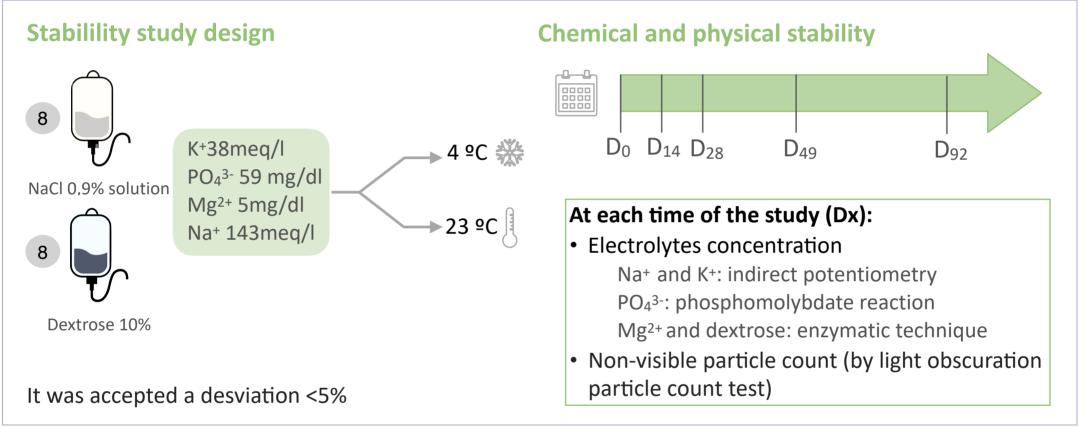
BACKGROUND AND IMPORTANCE

The Pharmacy Department prepares and distributes fluid therapy (2 bags-system) for the treatment of diabetic ketoacidosis (DKA) in the pediatric emergency unit. Unfortunately, their expiration date is only 7 days due to the lack of data on stability.

AIM AND OBJECTIVES

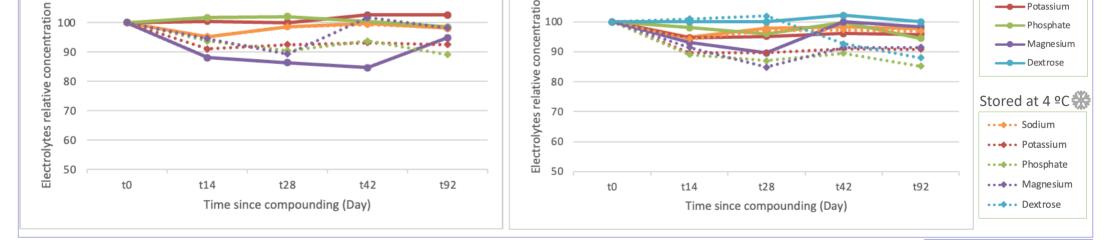
The objective of this study was to evaluate the physical and chemical stability of these solutions prepared in the Pharmacy Department to manage pediatric DKA.

MATERIALS AND METHODS



RESULTS

✓ The electrolytes concentration remained stable during the study period
 ✓ The visual inspection showed physical stability as well
 NaCl 0,9% solution
 Ø 110
 Ø 110
 Ø 110
 Ø 110
 Ø 100
 Ø 100



CONCLUSION AND RELEVANCE

The results show the stability of solutions in the period of study. Nevertheless, the beyond-use-date will be re-evaluated when a validated sterility test is performed.



Contact data: mariaantonia.crespi@hsll.es

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ATC CODE: V03- ALL OTHER THERAPEUTIC PRODUCTS