



INTRODUCTION

At CHUGA, the majority of paediatrics preparations are oral liquid préparations. Oral liquid preparations are packaged in a type II amber glass bottle and sealed with a tamper-evident cap.

=> security **until the opening** but the nurse may be exposed to a **chemical risk** and the preparation for **biological contamination**

Goal: to secure the administration of oral liquid preparations **before and after opening and at each administration**

METHODS

Research caps or inserts with the following characteristics :










Be compatible with the ENFit[®] oral syringes used for administration in the care units

ease of use and no leakage

low dead volume

the cost

RESULTS

Caps	Compatibility with the ENFit [®] oral syringes	Dead volume (mL)	Ease of use	Materials	Price (Euros)
CAIR LGL [®] Screw top 	YES	1	 additional handling	Acrylonitrile butadiène styrène Polypropylène Polyamide	0,65
ASEPT INMED [®] Conical insert 	YES	2		Polyéthylène	1,52
ETS LEROY [®] Conical insert 	YES	12,5		Not disclosed	7,37
ASEPT INMED[®] Insert 	YES	1,8	YES	Acrylonitrile butadiène styrène Polypropylène Polychlorure de vinyle	0,36
FAGRON [®] Screw top 		3	YES	Not disclosed	0,70

DISCUSSION & CONCLUSION

Conical plugs were eliminated => less easy to use
FAGRON[®]'s screw top is not compatible with ENFit[®] oral syringe
CAIR[®]'s screw top has to be ad after the opening



ASEPT INMED[®]'s insert was selected:
Easy to use, compatible with oral ENFit[®] syringe, leak-free, with a low dead volume and a reasonable price .

