

L. GUIRLE<sup>1</sup>, MS. PIDOUX<sup>1</sup>, J. HELOURY<sup>1</sup>, B. DESSANE<sup>1</sup>, A. VENET<sup>1</sup>, V. SERVANT<sup>1</sup>, S. CRAUSTE-MANCIET<sup>1,2</sup>

<sup>1</sup> Unité de pharmacotechnie, Centre Hospitalier Universitaire de Bordeaux, France <sup>2</sup> ARNA ChemBioPharm U1212 INSERM – UMR 5320 CNRS, Université de Bordeaux, France

## Introduction and objective :

Intrathecal (IT) are currently prepared in our hospital pharmaceutical technology department with stability set to 8 hours. This raises two problems :

- IT prepared outside working hours (constraining and risky process)
- IT administrated at operating room (scheduling issue)

**Objectif : evaluate current practices of production and storage of pediatrics' ITs in hospital pharmacies to envision anticipated preparation i.e. for the week-end.**

## Material and methods:

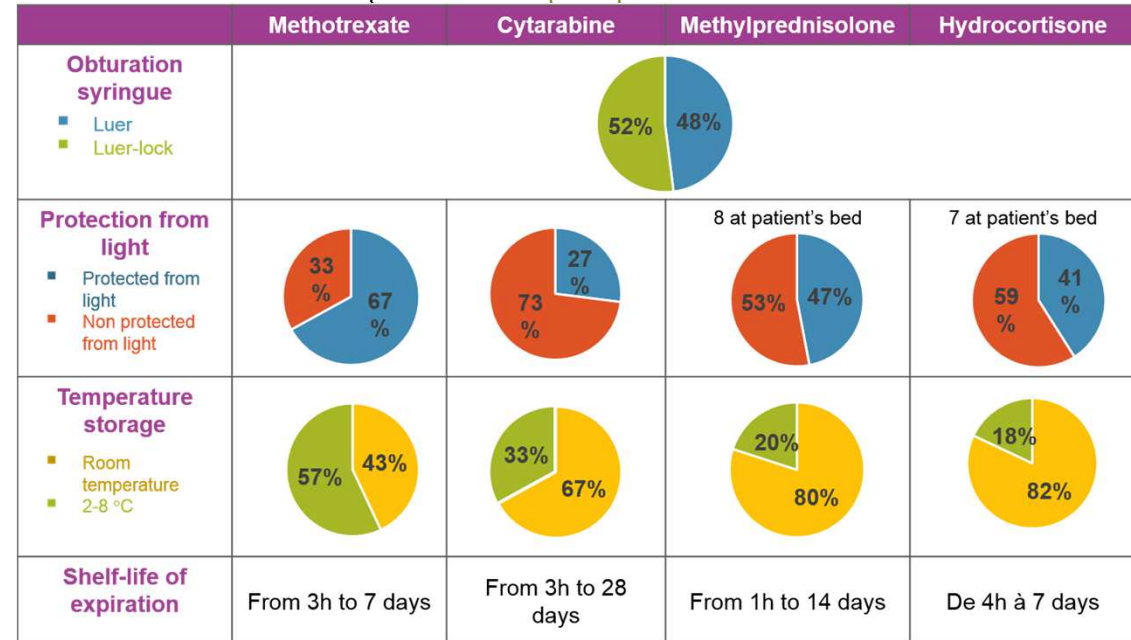
Validated survey was sent to 41 hospital pharmacies in France and in Switzerland by email.

The survey covered :

- Production environment
- Preparation conditions
- Equipment used
- Storage conditions
- Shelf life of the preparation
- Internal stability study conducted

## Results:

30 answers were collected which represent 73% of participation.



Only 2 hospital pharmacies conducted in-house microbiological stability studies.

## Discussion :

Our survey demonstrated **a major heterogeneity of current practices** in the different centers with **no real support of published data** except two papers <sup>1,2</sup>. These results encouraged us to **conduct additional stability studies** i.e. microbiological assessment to support anticipation of IT production and storage.

1.G. Binson, L. Danguy des Déserts, A. Bousseau, A.-C. De Boisgrollier, I. Princet – Determination of the microbiological stability of intrathecal chemotherapy 18<sup>th</sup> GERPAC conference ; 2018.  
 2.C. Berge Bouchara – Etude de la stabilité microbiologique de préparations de chimiothérapie pour administration intrathécale en pédiatrie (Thèse). Rouen (France) : Université de Rouen Normandie ; 2014.