

Introduction

Stabilis® is an international database, created in 2001, on stability and compatibility of drugs. This database is translated into 29 languages and accessible on internet (www.stabilis.org). Many evolutions have been created since its creation: stability of the non-injectable forms, level of proof of the articles, tables of incompatibilities customizable.

Objectives

New function « Research teams » involved in stability studies

Proposition of new stability studies by users

Bridge between users and researchers

Materials and Method

- 1 Search for each article referenced in **Stabilis®** :
→ Name of research teams, postal address, email
→ Continent, country, city, location google Map
→ Type of team : hospital , university , industrial
- 2 Creation of a stability study request interface

Results and Discussion

« **Research teams** » (available since April 2017) → new screens available

1 List of research teams in the World, involved in stability studies

Classification by country, location, type, number of bibliographic references

601 research teams in **Stabilis®** database (June 27, 2018)

Country	Geographical location	Type	Name	References	Last publication
USA	Houston		M.D Anderson Cancer Center	135	2016
USA	Houston		University of Houston, College of Pharmacy	62	2012
USA	Columbus		The Ohio State University Hospitals, Department of Pharmacy	54	2016
USA	Ann Arbor		University of Michigan, College of Pharmacy	53	2014
Canada	Toronto		Sunnybrook Health Sciences Center	48	2017
France	Mont Godinne		Drug Stability Research Group (DSRG) - CHU UCL NAMUR, site de Godinne	43	2018
USA	Oklahoma City		University of Oklahoma Health Sciences Center, College of Pharmacy	38	2008

2 PDF document for each research team (Screen June, 27, 2018)

3 Multicriteria search screen

Research teams - Multi-criteria search

ExplicationRecherche

Compound's name

Galenic forms

Pharmacological Class

Form of the molecule

Type

Country

Continent

Authors

Year

« Interaction with **Stabilis®** users » : Stability Studies Proposal (available since September 2017)

4 On the user side



Send your Stability Studies wishes to **Stabilis**

Example : 15 stability studies already send and accepted !!

Stability in solution

▪ **Pembrolizumab** in 0.9% sodium chloride at final concentration 4 mg/mL
▪ **Etoposide** at concentrations between 0.4 and 2 mg/mL diluted in 0.9% NaCl and 5% dextrose in PO bags -> **realised by Nancy research team**

Stability in mixture

▪ **Metoclopramide** 30 mg + **Phloroglucinol** 120 mg+ **Trimebutine** 150 mg in 5% dextrose 1 liter
▪ **Lidocaine** HCl 20 mg/mL + **Ketamine** HCl 2.5 mg/mL in 0.9% NaCl 0.9% in polypropylene syringe.

Physical stability

▪ **Dexmedetomidine** 2 µg/mL and **Ketamine** 2 mg/mL

5 On the researcher side → promotes research

→ one of the scientific mission of pharmacist

Conclusion

Stabilis® is the first database about research teams involved in stability studies around the world. This new function provides a link between users and researchers. It has the potential to stimulate research in this field, which is one of the scientific missions of the hospital pharmacist recognized by the official French text about the Good Manufacturing Practices.