



Synapse Platform User Guide

Prescription analysis modules



Drug interactions module

EXPECTED USE

The “**Drug interactions**” module promotes the proper use of medications by detecting drug interactions between several medications in a prescription. There are several sources of information on drug interactions available. Interactions are detailed by level of seriousness.

This module is intended for healthcare professionals who manage patients' medications (doctors, pharmacists, nurses, midwives, dentists, etc.).

The data come from different sources from various countries: The “Thésaurus” (drug interaction database) of the French National Agency for Medicines (France), Liverpool Interactions (UK), DDI-Predictor (France), etc.

PREREQUISITES BEFORE USE

No training is required before using this module.

The data sheet describes the minimum requirements necessary to operate this module as intended.

HOW TO USE

Once you have entered the medications into the prescription, click on the “**Interactions**” button, then select the information **source** you want from the drop-down menu.

Interactions are displayed by levels of seriousness used by the source (e.g. the French National Agency for Medicines’ “Thésaurus” [drug interaction database] has 4 levels: contraindication, inadvisable combination, precaution for use, to be taken into account). The interactions are also as presented as graphics which provide a quick overview of the pairs of medications concerned. It provides management guidelines and the pathophysiological mechanism involved for each interaction.

You can choose to filter the seriousness levels by selecting them in “**View seriousness**”.

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HOW TO USE

Interactions ●

Clinical condition

STOPP criteria ●

Side effects ●

Interaction analysis

Note: the results you obtain depend on the information you enter (medicines and patient profile)

Choice of gravity

Show severities:

- Contraindication
- Association déconseillée
- Precautions for use
- To be taken into account

Choice of source

Source selected:

Thesaurus (ANSM) ▼

 **Contraindication**
No problem detected

 **Association déconseillée** ▼
2 problématiques détectées

KETOPROFEN
100 mg, capsule



IBUPROFEN
100 mg, capsule

In question :
Nonsteroidal anti-inflammatory drugs (NSAIDs)

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Nonsteroidal anti-inflammatory drugs (NSAIDs)

Mechanism:

Combining these medications may increase the risk of side effects in the gastrointestinal tract such as inflammation, bleeding, ulceration, and rarely, perforation.

METHOTREXATE
25mg/1mL, injection



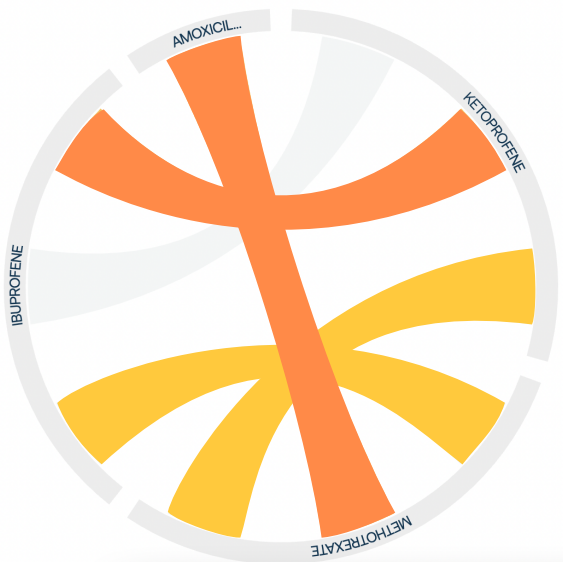
AMOXICILLIN
500mg, capsule

In question :
Methotrexate

In question :
Penicillins

Mechanism

Medications like penicillins, can increase the blood levels and effects of methotrexate. You may have increased side effects such as nausea, vomiting, mouth ulcers, and low blood cell counts, which can make you more likely to develop anemia, bleeding problems, and infections.



 Interaction graphs

Drug interactions module

WARNINGS

The results provided depend directly on **the data entered beforehand** (list of medications, patient profile).

Make sure the information you enter is accurate to get reliable results.

INFORMATION IN THE EVENT OF ANY ISSUES

Please notify us of any complaint or malfunction related to the device at contact@synapse-medicine.com

ADMINISTRATIVE INFORMATION



Manufacturer:

Synapse Medicine

3 rue Lafayette 33 000 Bordeaux

Class I medical device 

Instructions Drug interactions Module - PRO - version v1 (July 2021)