

Enabling Personalized Medication

PGXperts InteractionsCheck – Identify individual interaction risks

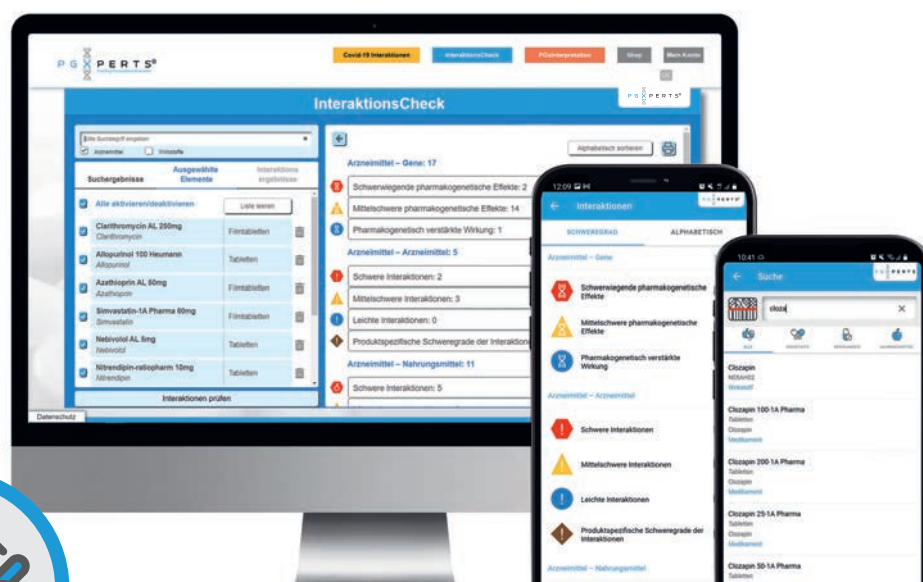
Case study: Severe depression

A female patient seeks out a new psychiatric specialist due to severe depression. She has been suffering from a low mood for several weeks, with particularly pronounced lack of drive in the mornings. Because of epilepsy, she has been taking carbamazepine. To improve her mood and alleviate her morning symptoms, the psychiatrist considers prescribing an antidepressant containing the active ingredient moclobemide.

Since the risk of adverse drug reactions is generally high with psychotropic medications, the doctor decides to take a step by step approach. Using the PGXperts InteractionsCheck on his smartphone, he checks the planned medication within seconds during the consultation.

The PGXperts InteractionsCheck alerts him to a severe interaction: the combination of carbamazepine and moclobemide can, in the worst case, lead to a dangerous serotonin syndrome. Additionally, the tool shows that the effectiveness and safety of the active ingredients can be influenced by the patient's individual genetics, potentially reducing efficacy or increasing the risk of side effects. The doctor therefore decides to proceed step by step.

Based on the data provided by the PGXperts InteractionsCheck, the doctor decides to replace moclobemide with venlafaxine and also initiates a pharmacogenetic analysis using the PGxProfil to further tailor the patient's medication to her genetic profile. The results indicate increased activity of HLA-A31:01 and HLAB15:02. As a result, the doctor adjusts the dosage of carbamazepine based on the information provided.



PGXperts InteractionsCheck

Identify individual interaction risks

With the PGXperts InteractionsCheck, you have a reliable solution at your fingertips that supports you in the interactive and rapid checking of interaction risks in order to increase drug therapy safety (DTS).

Within seconds, you can identify interaction risks between:

- **Medications (or active substances)**
- **Medications and foods/beverages**
- **Medications and lifestyle factors**
- **Medications and genetic traits**

The information provided, including clinical consequences and actionable insights enables direct interventions to the patient.

Personalized Medication with pharmacogenetics

The clear presentation of genetically determined interaction risks and alerts allows for the rapid identification of patients who could benefit from pharmacogenetic testing.

InteractionsCheck always on hand

The PGXperts InteractionsCheck was specifically developed to meet the demands of outpatient visits and is available with a single license across Android and iOS as well as the web application. This makes it ideally suited for use in medical practices as well as during home visits.

Key benefits:

- **Fast medication input**
Scan function for PZN codes and medication plans, plus intelligent search input
- **All interactions at a glance**
Check up to 50 different search terms at once
- **Comprehensive database**
Over 38,000 medications, 60 foods and beverages and 121 genetic markers
- **No expert knowledge needed**
Reliable information on all interactions, clearly categorized by severity
- **Personalized Medication with pharmacogenetics**
Identify risks, request a PGxProfile and personalize medication
- **Export of interaction check results**
Individually customizable for your documentation or printout

Register today and enjoy a 14-day free trial of PGXperts InteractionsCheck!



Special terms and conditions are available for medical networks and universities – we are happy to advise you!

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For more information please visit: www.pgxperts.com/en/physicians



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