Have you failed a medication?
Try talking to your doctor about GeneSight
We all respond to medications differently

Here’s the thing—we all respond to medications differently. That’s why a particular medication may not work for you, but does work for someone else.

One way to discover whether or not a medication may work is to try it. This trial and error process can lead to months of taking medications that don’t work or cause side effects. During this time, you could end up missing work, paying for multiple doctor visits, or losing hope you’ll find a medication that can help you.

Your DNA may be able to help.
The GeneSight Psychotropic test analyzes your DNA

If you have moderate to severe depression, the GeneSight Psychotropic test can help your doctor understand how your DNA may impact medications.

GeneSight Psychotropic is a pharmacogenomic test that analyzes clinically important genetic variations in your DNA and is intended to provide your doctor with genetic information to help inform their medication selection. Since genetic insight is only one part of the puzzle, your doctor should also take into consideration your entire clinical profile when considering whether a medication is right for you.

The GeneSight Psychotropic test can help your doctor:

- Learn how your genes may impact how you metabolize certain medications
- Understand how your body may respond to certain medications
- Inform your treatment plan

The GeneSight test is intended to supplement other information considered by a healthcare provider within the context of a comprehensive medical assessment.
Your doctor can use your GeneSight report to gain a better understanding of your unique genetic profile.

The report provides your doctor with information about which medications may require dose adjustments, may be less likely to work or may have an increased risk of side effects based on your genetic information.

### GeneSight® Psychotropic Report

Your doctor can use your GeneSight report to gain a better understanding of your unique genetic profile.

The report provides your doctor with information about which medications may require dose adjustments, may be less likely to work or may have an increased risk of side effects based on your genetic information.

### ANTIDEPRESSANTS

<table>
<thead>
<tr>
<th>USE AS DIRECTED</th>
<th>MODERATE GENE-DRUG INTERACTION</th>
<th>SIGNIFICANT GENE-DRUG INTERACTION</th>
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</thead>
<tbody>
<tr>
<td>desipramine (Norpramin®)</td>
<td>doxepin (Sinequan®) 1</td>
<td>amitriptyline (Elavil®) 1,6</td>
</tr>
<tr>
<td>nortriptyline (Pamelor®)</td>
<td>imipramine (Tofranil®) 1,6</td>
<td>buproprion (Wellbutrin®) 1,6</td>
</tr>
<tr>
<td>vortioxetine (Trintellix®)</td>
<td>desvenlafaxine (Pristiq®) 1,8</td>
<td>clomipramine (Anafranil®) 1,6</td>
</tr>
<tr>
<td>trazodone (Desyrel®) 1,6</td>
<td>fluoxetine (Prozac®) 1,6</td>
<td>fluoxetine (Prozac®) 1,6</td>
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<tr>
<td>mirtazapine (Remeron®) 3,7,8</td>
<td>sertraline (Zoloft®) 1,4,6</td>
<td>fluoxetine (Prozac®) 1,6</td>
</tr>
</tbody>
</table>

### CLINICAL CONSIDERATIONS

1. Serum level may be too high, lower doses may be required.
2. Serum level may be too low, higher doses may be required.
3. Difficult to predict dose adjustments due to conflicting variations in metabolism.
4. Genotype may impact drug mechanism of action and result in reduced efficacy.
5. Use of this drug may increase risk of side effects.
6. Serum level may be too low in smokers.
7. FDA label identifies a potential gene-drug interaction for this medication.

All psychotropic medications require clinical monitoring. This report is not intended to imply that the drugs listed are approved for the same indications or that they are comparable in safety or efficacy. The brand name is shown for illustrative purposes only; other brand names may be available. The prescribing physician should review the prescribing information for the drug(s) being considered and make treatment decisions based on the patient’s individual needs and the characteristics of the drug prescribed. Propranolol might be considered off-label when being used for neuropsychiatric disorders. Please consult the FDA drug label for specific guidelines regarding its use.

Questions? Call 855.891.9415 or email medinfo@assurexhealth.com

Order Number: 219
Report Date: 10/10/2019
Clinician: Sample Clinician
Reference: 1456CIP

Patient, Sample
DOB: 7/22/1984
Report Date: 10/10/2019
Reference: 1456CIP

GeneSight® Psychotropic
COMBINATORIAL PHARMACOGENOMIC TEST

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Patient, Sample
Page 1 of 9
The report also provides your doctor with information about genetic variations for two types of genes:

**Pharmacodynamic genes** provide information on how your DNA may impact your response to some medications

**Pharmacokinetic genes** provide information on how you metabolize, or break down, medications

<table>
<thead>
<tr>
<th>Gene</th>
<th>PK Activity</th>
<th>PD Activity</th>
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<tbody>
<tr>
<td>CYP2D6</td>
<td>CYP2D6*2A allele enzyme activity: Increased</td>
<td>Present</td>
</tr>
<tr>
<td></td>
<td>CYP2D6*1 allele enzyme activity: Normal</td>
<td>HLA-B*1502 Present</td>
</tr>
<tr>
<td>CYP3A4</td>
<td>CYP3A4*1 allele enzyme activity: Normal</td>
<td>HLA-A*3101 Present</td>
</tr>
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<td></td>
<td>CYP3A4*15A allele enzyme activity: None</td>
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</tr>
<tr>
<td>HTR2A</td>
<td>HTR2A G/G genotype</td>
<td>Increased Sensitivity</td>
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<tr>
<td>UGT1A4</td>
<td>UGT1A4*1 allele enzyme activity: Normal</td>
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</tr>
<tr>
<td>UGT2B15</td>
<td>UGT2B15*2 allele enzyme activity: Reduced</td>
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</table>

**GeneSight® Psychotropic COMBINATORIAL PHARMACOGENOMIC TEST**

<table>
<thead>
<tr>
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<tbody>
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**SAMPLE PATIENT GENOTYPES AND PHENOTYPES**

**PHARMACOKINETIC GENES**

**GeneSight® Psychotropic COMBINATORIAL PHARMACOGENOMIC TEST**

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**PHARMACODYNAMIC GENES**

**GeneSight® Psychotropic COMBINATORIAL PHARMACOGENOMIC TEST**

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<tr>
<td>Sample</td>
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</tbody>
</table>

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Cost of the GeneSight® Test

THE GENESIGHT PROMISE
Insurance can be complicated and we want you to feel comfortable knowing what you'll owe. We promise that if your cost is going to be more than $330, we'll call you before we process your test.

- If you have a traditional Medicare or Medicaid plan, your cost is $0.
- If you have a Medicare Advantage plan, you may be expected to cover a portion of the test. That’s typically $330 or less. If it’s more, we will contact you before we process the test.
- If you have commercial insurance, you also may be expected to cover a portion of the test. That’s typically $330 or less. If it’s more, we will contact you before we process the test.
- If you are uninsured, please contact us to find out how we can help.

More paths to affordability
To further reduce your cost for the GeneSight test, we offer a financial assistance plan for patients with commercial insurance. It is based on household income, persons in the household and other federal guidelines. To learn whether you qualify, visit GeneSight.com.

If your cost is $100 or more, we also have an interest-free payment plan that allows you to spread your cost for the test over multiple months.
The GeneSight test is administered in your doctor’s office with a simple cheek swab to collect your DNA.

Our lab will analyze your DNA and then send your doctor your GeneSight Psychotropic report in about two days.*

Your doctor can contact our Medical Affairs team for a consultation. Your doctor can then review the results with you on your next visit.
Is the GeneSight® Psychotropic test right for you?

- Have you failed a medication in the past?
- Is your current medication not working for you?
- Are you taking medications that cause unwanted side effects?

If you have depression and answered yes to any of these questions, talk to your doctor about the GeneSight test.

Visit genesight.com for more information.

Customer Service
info@genesight.com
866.757.9204

Not all patients who receive the GeneSight test will have improved outcomes. The GeneSight test is intended to supplement a doctor’s comprehensive medical assessment.