You have an increased risk of developing TTR-related hereditary amyloidosis based on your genetic result.

For more information, contact your healthcare provider or visit the following websites:

- [Amyloidosis Network](https://www.amyloidosisnetwork.org)
- [Amyloidosis Research Network](https://www.amyloidosisresearchnetwork.org)
- [Amyloidosis Support Group](https://www.amyloidosisupportgroup.org)

About Hereditary Amyloidosis (TTR-Related)

- Inherited: In most cases, TTR amyloidosis is inherited in a dominant pattern, meaning that a single copy of the mutated gene is enough to cause the condition.
- Symptoms: Common symptoms include swelling, pain, and tingling in the hands and feet, as well as heart and liver problems.
- Diagnosis: Diagnosis is typically made through genetic testing, imaging studies, and biopsies.
- Treatment: Treatment options vary depending on the severity of the condition and can include medication, lifestyle changes, and surgery.

You should discuss this result with a healthcare professional.
Scientific Details

The TTR gene encodes a protein that is primarily synthesized in the liver and secreted into the bloodstream. In the bloodstream, TTR interacts with other proteins, including transthyretin, which is a transport protein for vitamin A. TTR is also involved in the transport of thyroid hormones. The TTR gene is located on chromosome 18 and contains 11 exons. Mutations in the TTR gene can lead to amyloidosis, a condition characterized by the deposition of misfolded TTR protein in various organs and tissues, causing organ failure and pain. The most common type of TTR-related amyloidosis is linked to variants in the TTR gene.

You have two copies of a generic variant we tested:

<table>
<thead>
<tr>
<th>Gene</th>
<th>Symbol</th>
<th>Allele 1</th>
<th>Allele 2</th>
<th>Risk</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TTR</td>
<td></td>
<td>A</td>
<td>A</td>
<td></td>
<td>Normal</td>
</tr>
</tbody>
</table>

**Test Interpretaions**

The information above is based on the TTR gene and different variants can have a
colorful range of phenotypes.

Health Risk Estimates

<table>
<thead>
<tr>
<th>Phenotype</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Normal</td>
</tr>
</tbody>
</table>

**Counselling Note:**

Counselling should be tailored to the needs of the individual. The focus should be on providing clear and concise information about the variant.

Oncology

The TTR gene has been implicated in the development of cancer. However, the relationship between TTR gene variants and cancer risk is not well understood and more research is needed.

Test Details

**Indications for Use**

This test is intended for use in patients with a strong family history of TTR-related amyloidosis or in patients with clinical symptoms suggestive of the disease.

**Negative Results**

A negative result does not exclude the possibility of TTR-related amyloidosis. Additional genetic testing, such as analysis of other genes associated with amyloidosis, may be necessary.

**Warrenty and Limitations**

- This test is not a replacement for medical advice.
- The test is not performed on all patients.
- The test results should be interpreted by a healthcare provider.

References


Change Log

Test report may have been updated since your previous visit. The Change Log tab is only available.
Frequently Asked Questions

**Hemodynamic Atrial Fibrillation (HFRAF):**

What does this test do?

This test does not diagnose HFRAF-related abnormalities. The only healthcare professional can do that.

What does this test not do?

This test does not diagnose HFRAF-related abnormalities. It is not for determining the condition in the future.

Do you need all patients with HFRAF-related abnormalities to be subjected to this test?

This test does not diagnose HFRAF-related abnormalities. The test does not provide a complete assessment of abnormalities, including non-HFRAF-related types of abnormalities.

*This answer may vary based on the specific case and further consultation with a healthcare professional.*

When can I learn more about HFRAF-related abnormalities, support groups, and other resources?

You can learn more about HFRAF-related abnormalities, support groups, and other resources at the following resources:

**HFRAF Bridge (Philips Pharmaceuticals-sponsored website)**

**Atrial Fibrillation Research Connection**

**Atrial Fibrillation Foundation**

**Atrial Fibrillation Support Groups**

If you have questions about your need for therapeutic therapy or your family, a general practitioner may be able to help.

*Learn more about genetics counseling.*

*This answer may vary based on the specific case and further consultation with a healthcare professional.*

Does this test profile the genetic makeup of atrial fibrillation (AFib) in patients with HFRAF?

Yes, this test profiles the genetic makeup of atrial fibrillation in patients with HFRAF.

Is this test noninvasive and safe to perform?

Yes, this test is noninvasive and safe to perform.

Does this test detect HFRAF-related abnormalities in all patients with HFRAF?

Yes, this test detects HFRAF-related abnormalities in all patients with HFRAF.

Is this test available in all countries?

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