

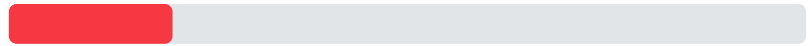


https://www.perthera.com/

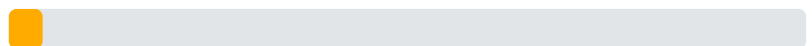
Report generated on Mar 12, 2024



15 Failed



3 Warnings



55 Passed



## Common SEO issues

4 Failed

2 Warnings

19 Passed

### ! Meta Title Test

This webpage is using a title tag with a length of 15 characters. While there's no target number of characters, titles should be descriptive and concise. Using a title tag with less than 20 characters is a missed opportunity since it can be difficult to fit all your targeted keywords in such a short text.

We recommend using a title with a length between 20 - 60 characters in order to fit Google Search results that have a 600-pixel limit.

**Text:** Home - Perthera

**Length:** 15 characters

### ✓ Meta Description Test

This webpage is using a meta description tag.

**Text:** Perthera, Inc., is the leading Healthcare Artificial Intelligence company advancing precision medicine through the Perthera Precision Oncology Platform.

**Length:** 152 characters



## 🕒 Google Search Results Preview Test

### Desktop version

<https://www.perthera.com/>

#### Home - Perthera

Perthera, Inc., is the leading Healthcare Artificial Intelligence company advancing precision medicine through the Perthera Precision Oncology Platform.

### Mobile version

<https://www.perthera.com/>

#### Home - Perthera

Perthera, Inc., is the leading Healthcare Artificial Intelligence company advancing precision medicine through the Perthera...

## ✅ Social Media Meta Tags Test

This webpage is using social media meta tags.

### Open Graph Meta Tags

og:locale	en_US
og:type	website
og:title	Home - Perthera
og:description	Perthera, Inc., is the leading Healthcare Artificial Intelligence company advancing precision medicine through the Perthera Precision Oncology Platform.
og:url	<a href="https://www.perthera.com/">https://www.perthera.com/</a>
og:site_name	Perthera

### Twitter Card Meta Tags

twitter:card	summary_large_image
--------------	---------------------



## ⦿ Most Common Keywords Test

There is likely no optimal keyword density (search engine algorithms have evolved beyond keyword density metrics as a significant ranking factor). It can be useful, however, to note which keywords appear most often on your page and if they reflect the intended topic of your page. More importantly, the keywords on your page should appear within natural sounding and grammatically correct copy.

15 perthera 9 oncology 9 clinical 7 precision 6 cancer

## ✔ Keywords Usage Test

The most common keywords of this webpage are distributed well across the important HTML tags. This helps search engines to properly identify the topic of this webpage.

Keyword	Title tag	Meta description	Headings
perthera	✔	✔	✔
oncology	✘	✔	✔
clinical	✘	✘	✘
precision	✘	✔	✔
cancer	✘	✘	✘



## Keywords Cloud Test



## Related Keywords Test

This URL is currently ranked in the top 20 organic Google listings for the search terms below:

- [perthera](#)
- [pethera](#)
- [yehuda neuberger](#)
- [natera .com](#)
- [michael pishvaian](#)
- [onteras](#)
- [ai cpt](#)
- [metabiota board of directors](#)
- [cpt ai](#)
- [artificial intelligence cpt](#)



## ⦿ Competitor Domains Test

This domain has an Authority Score of 20/100 while the Average Authority Score of top 100 sites is 89.5. Some of the most relevant competitors for this domain are listed below:

## ✗ Heading Tags Test

This webpage does not contain H1 headings! H1 headings help indicate the important topics of your page to search engines. While less important than good meta-titles and descriptions, H1 headings may still help define the topic of your page to search engines.

### H2 tags

---

Precision Oncology Pioneer, Perthera, Presents Latest Research at ASCO GI 2024

---

At ASCO '23, AI Precision Oncology Company Perthera Unveils Premium Experience for Clinicians with New Options for Ordering and Access to Enhanced Perthera Analytics

---

Perthera.ai Announces a Category III CPT Code from the AMA for its Patented Precision Oncology Decision Support Platform

### How to pass this test?

In order to pass this test you must identify the most important topics from your page and insert those topics between `<h1>...</h1>` tags.

#### Example:

```
<h1>Important topic goes here</h1>
...
<h1>Another topic</h1>
```

## ✓ Robots.txt Test

Congratulations! Your site uses a "robots.txt" file.

<https://www.perthera.com/robots.txt>

## ✓ Sitemap Test

This website has a sitemap file.

[https://www.perthera.com/sitemap\\_index.xml](https://www.perthera.com/sitemap_index.xml)

## ✓ SEO Friendly URL Test

All links from this webpage are SEO friendly.



## ✔ Image Alt Test

All "img" tags from this webpage have the required "alt" attribute.

## ✘ Responsive Image Test

Not all images in this webpage are properly sized! This webpage is serving images that are larger than needed for the size of the user's viewport.

### How to pass this test?

This issue can be fixed by using responsive images, which relies on creating multiple versions of each image, that are served via CSS media queries depending on the user's viewport dimensions.

Another solution can be to use vector-based image formats like SVG. SVG images scale appropriately to any size, without wasting unnecessary bandwidth. Also consider image CDNs that can help serve responsive images.

## ✔ Image Aspect Ratio Test

All image display dimensions match the natural aspect ratio.

## ✘ Inline CSS Test

This webpage is using inline CSS styles!

### How to pass this test?

It is a good practice to move all the inline CSS rules into an external file in order to make your page "lighter" in weight and decrease the code to text ratio.

- check the HTML code of your page and identify all style attributes
- for each style attribute found you must properly move all declarations in the external CSS file and remove the style attribute

**For example:**

```
<!--this HTML code with inline CSS rule:-->
<p style="color:red; font-size: 12px">some text here</p>

<!--would became:-->
<p>some text here</p>

<!--and the rule added into your CSS file:-->
p{color:red; font-size: 12px}
```

## ✔ Deprecated HTML Tags Test

This webpage does not use HTML deprecated tags.



## ✘ Google Analytics Test

A Google Analytics script is not detected on this page. While there are several tools available to monitor your site's visitors and traffic sources, Google Analytics is a free, commonly recommended program to help diagnose potential SEO issues.

### How to pass this test?

In order to pass this test you must create an account on [Google Analytics site](#) and insert into your page a small javascript tracking code.

#### Example:

```
<!-- Google Analytics -->
<script>
(function(i,s,o,g,r,a,m){i['GoogleAnalyticsObject']=r;i[r]=i[r]||function(){
(i[r].q=i[r].q||[]).push(arguments)},i[r].l=1*new Date();a=s.createElement(o),
m=s.getElementsByTagName(o)[0];a.async=1;a.src=g;m.parentNode.insertBefore(a,m)
})(window,document,'script','//www.google-analytics.com/analytics.js','ga');

ga('create', 'UA-XXXX-Y', 'auto');
ga('send', 'pageview');

</script>
<!-- End Google Analytics -->
```

Note that you have to change the 'UA-XXXX-Y' with the proper id which you'll find in your analytics account.

## ✔ Favicon Test

➡ This website appears to have a favicon.



## ⦿ Backlinks Test

This domain has an Authority Score of **20/100** while the **Average Authority Score** of top 100 sites is **89.5**. Also, this domain has **579 backlinks** from **182 referring domains** and some recently found backlinks are listed below:

MAR 10, 2024 <https://www.distrobird.com/companies/perthera>

MAR 10, 2024 <https://www.distrobird.com/companies/perthera>

MAR 9, 2024 <https://www.immortalitymedicine.tv/page/3357/>

MAR 8, 2024 <https://blogs.commonsgorgetown.edu/icbi/author/sm696/>

MAR 6, 2024 <https://miziro.ru/wfhmp1/28774/p6>

MAR 3, 2024 <http://blogs.commonsgorgetown.edu/icbi/>

MAR 3, 2024 <https://www.leadgibbon.com/marty-larson-email-739412>

MAR 2, 2024 <https://www.adscientificindex.com/scientist/edik-blais/1684107>

MAR 2, 2024 <https://sequencemenow.org/2019/02/13/q-who-offers-genomic-sequencing-tumor-dna-sequenci...>

MAR 1, 2024 <https://dc.citybuzz.co/article/403235/george-davis-joins-perthera-board-of-directors>

## ✔ JS Error Test

There are no severe JavaScript errors on this webpage.

## ✔ Console Errors Test

This webpage doesn't have any warnings or errors caught by the Chrome DevTools Console.

## ✔ Charset Declaration Test

This webpage has a character encoding declaration.

```
Content-Type: text/html; charset=UTF-8
```

## ✔ Social Media Test

This webpage is connected successfully with social media using:

[Facebook](#) [Twitter](#)





## Speed optimizations

7 Failed

0 Warnings

18 Passed

### HTML Page Size Test

The size of this webpage's HTML is **187.43 Kb**, and is greater than the average size of **33 Kb**! This can lead to slower loading times, [lost visitors](#), and decreased revenue. Good steps to reduce HTML size include: using [HTML compression](#), [CSS layouts](#), [external style sheets](#), and [moving javascript](#) to external files.

#### How to pass this test?

In order to resolve this problem you are advised to:

- use gzip compression
- move all CSS style rules into a single, external and minified CSS file
- minify all JS files and, if possible, try combining them into a single external JS file
- use CSS layouts

### DOM Size Test

The Document Object Model (DOM) of this webpage has **401 nodes** which is less than the recommended value of **1,500 nodes**.



## ✘ HTML Compression/GZIP Test

This webpage doesn't use HTML compression! We recommend [to compress the HTML code](#) in order to reduce the page size and page loading times - this will help a website to retain visitors and increase page views. If the HTML compression will be enabled, the HTML size will be decreased by 80% - from 187.43 Kb to 38.0 Kb .

### How to pass this test?

Your two options for file compression are **Deflate** and **GZIP**.

- Deflate is an option which comes automatically with the Apache server and which is simple to set up.
- GZIP on the other hand needs to be installed and requires a bit more work to install. However, GZIP does achieve a higher compression rate and therefore might be a better choice if your website uses pages which have a lot of images or large file sizes.

Setting up file compression for your website will depend on which type of server you're using for your website. Most likely, you'll be using Apache, which means you can enable compression by adding a few deflate codes to your **.htaccess** file.

```
# compress text, html, javascript, css, xml:  
AddOutputFilterByType DEFLATE text/plain  
AddOutputFilterByType DEFLATE text/html  
AddOutputFilterByType DEFLATE text/xml  
AddOutputFilterByType DEFLATE text/css  
AddOutputFilterByType DEFLATE application/xml  
AddOutputFilterByType DEFLATE application/xhtml+xml  
AddOutputFilterByType DEFLATE application/rss+xml  
AddOutputFilterByType DEFLATE application/javascript  
AddOutputFilterByType DEFLATE application/x-javascript
```

For more advanced information regarding deflate you can check this [Apache documentation](#).



## Site Loading Speed Test

The loading time of this webpage (measured from N. Virginia, US) is around **6.46 seconds** and is greater than the average loading speed which is **5 seconds**!

### How to pass this test?

In order to resolve this problem you are advised to:

- Minimize HTTP requests
- Use Gzip compression
- Use HTTP caching
- Move all CSS style rules into a single, external and minified CSS file
- Minify all JS files and, if possible, try combining them into a single external JS file
- Include external CSS files before external JS files
- Place your JS scripts at the bottom of your page
- Optimize images
- Reduce redirects
- Reduce the number of plug-ins

## JS Execution Time Test

The JavaScript code used by this webpage is executed in less than **2 seconds**.



## ✖ Page Objects Test

This webpage is using more than 20 http requests, which can slow down page loading and negatively impact user experience!

### Content size by content type

Content type	Percent	Size
Other	66.6 %	8.60 Mb
Image	27.2 %	3.51 Mb
Font	2.3 %	304.74 Kb
Css	1.9 %	257.35 Kb
Javascript	1.5 %	203.05 Kb
Html	0.4 %	55.60 Kb
<b>TOTAL</b>	<b>100%</b>	<b>12.91 Mb</b>

### Requests by content type

Content type	Percent	Requests
Image	53.6 %	45
Css	20.2 %	17
Javascript	11.9 %	10
Font	8.3 %	7
Other	4.8 %	4
Html	1.2 %	1
<b>TOTAL</b>	<b>100%</b>	<b>84</b>

### Content size by domain

Domain	Percent	Size
perthera.com	98.0 %	12.65 Mb
ka-f.fontawesome.com	1.1 %	145.12 Kb
use.typekit.net	0.9 %	114.09 Kb



kit.fontawesome.com	0.0 %	4.62 Kb
fonts.googleapis.com	0.0 %	1.08 Kb
p.typekit.net	0.0 %	172 B
<b>TOTAL</b>	<b>100%</b>	<b>12.91 Mb</b>

## Requests by domain

Domain	Percent	Requests
perthera.com	83.3 %	70
use.typekit.net	7.1 %	6
ka-f.fontawesome.com	6.0 %	5
kit.fontawesome.com	1.2 %	1
fonts.googleapis.com	1.2 %	1
p.typekit.net	1.2 %	1
<b>TOTAL</b>	<b>100%</b>	<b>84</b>

### ✓ Page Cache Test (Server Side Caching)

This webpage is using a caching mechanism. [Caching](#) helps speed page loading times as well as reduces server load.

### ✓ Flash Test

This webpage does not include flash objects (an outdated technology that was sometimes used to deliver rich multimedia content). Flash content does not work well on mobile devices, and is difficult for crawlers to interpret.

### ✓ CDN Usage Test

This webpage is serving all images, javascript and css resources from CDNs.



## ✘ Modern Image Format Test

This webpage is not serving images in a modern format! Image formats like [JPEG 2000](#), [JPEG XR](#), and [WebP](#) often provide better compression than PNG or JPEG, which means faster downloads and less data consumption.

### How to pass this test?

In order to pass this test, convert all the images listed in this report into a modern image format such as [JPEG 2000](#), [JPEG XR](#) or [WebP](#).

It's important to understand that the modern image formats, like WebP, are not yet widely supported across all devices and browsers. You can find [here](#) a full list of supported browsers and devices for the WebP format.

If your target audience falls within one of the unsupported browser/device categories, you should serve optimized fall-back images in the original JPEG/PNG format so that your users don't see a broken or badly designed page:

```
<!--Before:-->


<!--After:-->
<picture>
  <source type="image/webp" srcset="image.webp">
  
</picture>
```

The browser uses the first listed source that's in a format it supports. If the browser does not support any of the formats listed in the "source" tags, it falls back to loading the image specified by the "img" tag.

## ✘ Image Metadata Test

This webpage is using images with large metadata (**more than 16% of the image size**)! Stripping out unnecessary metadata tags can improve not only the loading time but also the security and privacy of a webpage.

### How to pass this test?

In order to pass this test, you have to remove the unnecessary image metadata (additional information which is stored along with the image). There are literally hundreds of metadata tags, but most of them (like camera model and settings, exposure, creation date, etc) are useless to site visitors and isn't required by browsers to render images. However, a few metadata tags can still be useful and may help Search Engine bots to better understand your images:

- **GPS tags** - These define where the image was taken providing location information that might help with local SEO. If you have a location-based business, tag your image with the GPS coordinates of your premises.
- **Author/Owner Name** - Add your brand name (or your own name) here because it may influence the image being shown when someone searches your brand in Google Images.
- **Image Description** - Just like an ALT description, the image description metadata tag can provide information pertaining to what the content of the image is about.



## ✓ Image Caching Test

This website is using cache headers for images and the browsers will display these images from the cache.

## ✓ JavaScript Caching Test

This webpage is using cache headers for all JavaScript resources.

## ✓ CSS Caching Test

This webpage is using cache headers for all CSS resources.

## ✓ JavaScript Minification Test

All JavaScript files used by this webpage are minified.

## ✓ CSS Minification Test

All CSS resources used by this webpage are minified.

## ✗ Render Blocking Resources Test

This webpage is using render blocking resources! Eliminating render-blocking resources can help this webpage to load significantly faster and will improve the website experience for your visitors.

### How to pass this test?

In order to pass this test, you have to reduce the impact of render-blocking resources.

First, you have to identify what's critical and what's not. You can use the [Chrome DevTools \(Coverage tab\)](#) to identify non-critical CSS and JS.

Once you've identified critical code, you can try the below methods to eliminate render-blocking resources:

- inline critical JS within a script tag in your HTML document
- inline critical CSS required for the first paint inside a style block in the head of the HTML document
- move the script and link tags at the end of the HTML document
- add async or defer attributes to non-critical script or link tags
- split CSS styles into different files, organized by media query
- compress and minify your text-based resources

## ✓ Nested Tables Test

This webpage is not using nested tables. This speeds up page loading time and optimizes the user experience.



## ✓ Frameset Test

This webpage does not use frames.

## ✓ Doctype Test

This webpage has a doctype declaration.

```
<!DOCTYPE html>
```

## ✓ URL Redirects Test

This URL doesn't have any redirects (which could potentially cause site indexation issues and site loading delays).

## ✓ Largest Contentful Paint Test

The Largest Contentful Paint duration of this webpage is 1.08 seconds. To provide a good user experience, [Google recommends](#) that sites should strive to have Largest Contentful Paint of 2.5 seconds or less.

**Largest Contentful Paint element within the viewport:**

```
<div id="top-banner">
```

## ✓ Cumulative Layout Shift Test

The CLS score of this webpage is 0.0001. To provide a good user experience, [Google recommends](#) that sites should strive to have a CLS score of 0.1 or less.

**DOM element which contributes the most to CLS score:**

**Text:** Our Technology News About Us Our Team

**Html:** `<div class="menu-main-container">`

**Score:** 0.0001





### ✖ URL Canonicalization Test

<https://www.perthera.com/> and <https://perthera.com/> should resolve to the same URL, but currently do not.

#### How to pass this test?

In order to pass this test you must consider using a 301 re-write rule in your `.htaccess` file so that both addresses (<http://example.com> and <http://www.example.com>) resolve to the same URL.

- If you want to redirect <http://www.example.com> to <http://example.com>, you can use this:

```
RewriteCond %{HTTP_HOST} ^www\.example\.com$  
RewriteRule ^/?$ "http://example.com" [R=301,L]
```

- If you want to redirect <http://example.com> to <http://www.example.com>, you can use this:

```
RewriteCond %{HTTP_HOST} !^www\.example\.com$ [NC]  
RewriteRule ^(.*)$ http://www.example.com/$1 [L,R=301]
```

Note that you must put the above lines somewhere after **RewriteEngine On** line.



## ✔ SSL Checker and HTTPS Test

This website is successfully using HTTPS, a secure communication protocol over the Internet.

- ✔ The certificate is not used before the activation date.
- ✔ The certificate has not expired.
- ✔ The hostname "www.perthera.com" is correctly listed in the certificate.
- ✔ The certificate should be trusted by all major web browsers.
- ✔ The certificate was not revoked.
- ✔ The certificate was signed with a secure hash.

### Certificate Chain:

Server certificate	
Common Name	perthera.ai
Subject Alternative Names (SANs)	perthera.ai, www.perthera.com, www.perthera.ai, perthera.com, demo.perthera.com
Not Valid Before	Thu, May 11th 2023, 12:00:00 am (UTC)
Not Valid After	Sat, June 8th 2024, 11:59:59 pm (UTC)
Signature Algorithm	sha256WithRsaEncryption
Issuer	Amazon RSA 2048 M01

Intermediate certificate	
Common Name	Amazon RSA 2048 M01
Organization	Amazon
Location	US
Not Valid Before	Tue, August 23rd 2022, 10:21:28 pm (UTC)
Not Valid After	Fri, August 23rd 2030, 10:21:28 pm (UTC)
Signature Algorithm	sha256WithRsaEncryption
Issuer	Amazon Root CA 1

Root certificate	
Common Name	Amazon Root CA 1



Organization	Amazon
Location	US
Not Valid Before	Tue, May 26th 2015, 12:00:00 am (UTC)
Not Valid After	Sun, January 17th 2038, 12:00:00 am (UTC)
Signature Algorithm	sha256WithRsaEncryption
Issuer	Amazon Root CA 1

## ✓ Mixed Content Test (HTTP over HTTPS)

This webpage does not use mixed content - both the initial HTML and all other resources are loaded over HTTPS.

## ✓ HTTP2 Test

This webpage is using the HTTP/2 protocol.

## ✓ Safe Browsing Test

This website is not currently listed as suspicious (no malware or phishing activity found).

## ✓ Server Signature Test

The server signature is off for this webpage.

## ✓ Directory Browsing Test

Directory browsing is disabled for this website.



## ✘ Plaintext Emails Test

We've found 1 email addresses in your page code! We advise you [to protect email links](#) in a way that hides them from the spam harvesters.

### How to pass this test?

In order to pass this test you must make your email addresses invisible to email spiders. Note that the best option is to replace your entire contact mechanism with a contact form and using the POST method while submitting the form.

Other solutions are listed below:

- replace the at (@) and dot (.) characters
- replace text with images
- use email obfuscators
- hide email addresses using JavaScript or CSS trick

## ✘ Unsafe Cross-Origin Links Test

This webpage is using `target="_blank"` links without `rel="noopener"` or `rel="noreferrer"` attribute, which can expose it to performance and security issues!

### How to pass this test?

In order to pass this test, you have to update each link identified in this report, by adding a `rel="noopener"` or a `rel="noreferrer"` attribute or both:

```
<a href="https://example.com" target="_blank" rel="noopener noreferrer">
  Click here
</a>
```

- `rel="noopener"` prevents the new page from being able to access the `window.opener` property and ensures it runs in a separate process.
- `rel="noreferrer"` has the same effect but also prevents the **Referer header** from being sent to the new page.

## Mobile usability

0 Failed

0 Warnings

3 Passed

## ✔ Meta Viewport Test

This webpage is using a viewport meta tag.

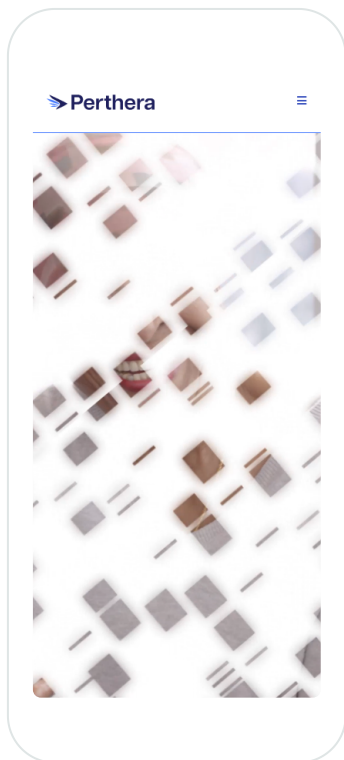
```
<meta name="viewport" content="width=device-width, initial-scale=1" />
```



## Media Query Responsive Test

This webpage is using CSS media queries, which is the base for responsive design functionalities.

## Mobile Snapshot Test



## Advanced SEO

0 Failed

1 Warnings

9 Passed

## Structured Data Test

This webpage is using structured data.

## Custom 404 Error Page Test

This website is using a custom 404 error page. We recommend to have a custom 404 error page in order to improve the website's user experience by letting users know that only a specific page is missing/broken (and not the entire site), providing them helpful links, the opportunity to report bugs, and potentially [track the source of broken links](#).



## ✔ Noindex Tag Test

This webpage does not use the noindex meta tag. This means that it can be indexed by search engines.

## ✔ Canonical Tag Test

This webpage is using the canonical link tag. This tag specifies that the URL: <https://www.perthera.com/> is preferred to be used in search results. Please ensure that this specification is correct, as canonical tags are often hard-coded and may not always reflect the latest changes in a site's URL structure.

```
<link href="https://www.perthera.com/" rel="canonical"/>
```

## ⊙ Nofollow Tag Test

This webpage does not use the nofollow meta tag. This means that search engines will crawl all links from this webpage.

## ⊙ Disallow Directive Test

Your robots.txt file includes a disallow command which instructs search engines to avoid certain parts of your website! You are advised to confirm if access to these resources or pages are intended to be blocked (e.g., if they contain internal-only content or sensitive information).

## ✔ Meta Refresh Test

This webpage is not using a meta refresh tag.

## ✔ SPF Records Test

This DNS server is using an SPF record.

```
v=spf1 mx include:_spf.google.com include:entrustedmail.net include:spf.entrustedmail.net ~all
```

## ⚠ Ads.txt Validation Test

This website doesn't use an ads.txt file! Ads.txt is a text file that contains a list of Authorized Digital Sellers. The purpose of ads.txt files is to give advertisers and advertising networks the ability to verify who is allowed to sell advertising on your website.