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King-Devick Variable Color Contrast Sensitivity Chart for AMD

King-Devick Variable Color Contrast Sensitivity Chart for AMD is an iPad/iPhone-based product application that allows clinicians to monitor and track the progression of Age-Related Macular Degeneration (AMD) from non-exudative (dry) AMD to exudative (wet) AMD. It is critical to know when exudative (wet) AMD begins to occur so the treatment with a-VEGF injections can begin.

King-Devick Variable Color Contrast Sensitivity Chart has been proven to be a helpful tool in detecting progression of disease in Age-Related Macular Degeneration. King-Devick Variable Contrast Sensitivity Chart can be used by the patient as a simple home-screening tool monitored by clinician's staff remotely or in-office screening.

King-Devick Variable Color Contrast Sensitivity Chart Requirements

Specifications	iOS devices
Screen Size	4.7"+
Aspect Ratio	4:3 or 4.3:3
Resolution	1024 x 768 +
Compatible Browsers	N/A
App Location	Apple App Store
Notes	App is only available on iOS devices

King-Devick Variable Color Contrast Sensitivity Chart Menus

This screenshot shows the 'Summary' menu. At the top, there are three callouts: 'View test history graphs' pointing to the 'Charts' button, 'View detailed test history' pointing to the 'Details' button, and 'Logout and About page' pointing to the information icon. Below the navigation bar, a callout 'Indicates eye has decreased performance' points to a red asterisk icon next to the date '07 Dec 20'. The table below shows test results for both eyes.

Date	Left Eye	Right Eye
*07 Dec 20	Eye Doctor Checkup	No Change
04 Dec 20	No Change	No Change

Other callouts include: 'Indicates eye is performing as previously recorded' pointing to a green checkmark icon; 'Update visual acuity' pointing to the 'Update Acuity' button; 'Indicates test had decreased performance' pointing to a yellow warning icon; and 'Take a test' pointing to the 'Start Test' button.

This screenshot shows the 'New Letters' screen. At the top, there are callouts for a speaker icon ('Turn narration on and off'), a play button ('Toggle screen narration on and off'), and a 'New Letters' button ('Change letter set'). The letters 'R O K O V' are displayed in the center. At the bottom, there are two buttons: a red 'Cancel' button ('Cancel current test without saving and return to main screen') and a blue 'Check Accuracy' button ('Check displayed letters').

Replay audio calling out letters

Change letter set

Replay Answer

New Letters

How many letters did you identify?

- 5 +

Cancel

Submit

Cancel current test without saving results and return to main screen

Connecting to Wi-Fi

Internet access is required to register the app and sync its data. If you do not have a mobile data plan you can connect to Wi-Fi on your iOS device.

1. From your Home Screen, tap on the “Settings” icon.
2. Tap on “Wi-Fi” from the left menu then turn the Wi-Fi on.
3. Select the appropriate Wi-Fi and enter the password. If you are unsure, contact your network administrator.
4. Once connected to Wi-Fi. The Wi-Fi indicator will appear in the top toolbar. Some networks will also require a separate browser-based log in. Tap on the Safari icon to launch the internet then login or register your device to gain internet access.

Subscribing and Creating an Account

To use the King-Devick Variable Color Contrast Sensitivity Chart for AMD, you need to have an active subscription. Subscriptions are handled through the iOS App Store and require you to be signed into your device with an Apple ID.

1. After opening the app, you will be prompted to subscribe if you are a new user or sign in if you are a returning user to enter your username and password.
2. Tap Subscribe and you will then be asked to enter your nearest best Visual Acuity number (NVA). If you do not have this information, we recommend contacting your eye doctor. You can email yourself an eye chart to determine this by tapping No and then Free Eye Chart. The app will then use your e-mail to send you an eye chart and instructions.
3. If you do know your NVA, tap yes and then enter it for the left and right eyes, and then Confirm your NVA.
4. Tap Subscribe again and complete the on-screen prompts to approve the purchase.
5. You will be asked to create an account. Enter your e-mail address and password to complete the registration.

Taking a Test

A test can be self-administered and is guided by voice narration. This narration can be toggled on and off on the test pages with the speaker button and narration can be repeated by tapping the play button.

1. Tap Start Test and you will be taken to a slider that will take you through the test's instructions. Use the arrows to navigate through them.
2. Once you have reviewed the instructions tap Start Test.
3. Tap Next and cover your right eye.
4. Call out the letters that appear on the screen and tap check accuracy.
Tip: If you are struggling to remember the letters try writing them down before tapping Check Accuracy
5. The app will call out the letters that previously appeared on the screen. Enter the number of letters you identified correctly, and tap submit. If you identified less than 50% of the letters correctly the letter size will increase, and this step will repeat.
6. Once you have identified over 50% of a letter set, you will be shown letters in blue. Cover your right eye again and then call out the letters as they appear on the screen.
7. Tap Check Accuracy and enter the number of letters you identified correctly until you successfully identify over 50% of the letters.
8. Steps 4-7 will repeat for the right eye, with you covering the left eye when reading the letters.
9. Once the test is complete, if the letter sizes had to increase for either eye, in either color, you will be informed that a decrease in vision performance has been detected. In this case it is recommended that you contact your eye doctor.

Updating your Visual Acuity

Following a test with decreased performance in either eye, the affected eye will be flagged with a yellow caution symbol and the test record will be flagged with a red asterisk. To remove this flag, you would your update NVA after having spoken to your doctor.

1. On the main screen tap Update Acuity.
2. Enter the updated NVA for your left eye and then tap Next.
3. Enter the updated NVA for your right eye then tap Next.
4. Confirm the NVA of both eyes, tapping Save to finalize the update, and edit if corrections need to be made.
5. Once the updated NVA is saved, any flags on both eyes will be removed, but tests with decreased performance will still be flagged in test history.

Troubleshooting & Technical Support

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Can't log in

1. Check your internet connection. The King-Devick Variable Color Contrast Sensitivity Chart for AMD requires a working internet connection to log in and use the program.
2. Contact us at: help@kingdevick.com if the problem persists.

Forgot my password

1. Navigate to <https://my.kingdevick.com/reset> and select Clinical from the product category dropdown menu.
2. Select King-Devick Variable Color Contrast Sensitivity Chart from the product name dropdown menu.
3. Enter your username and click Reset Password.
4. You will receive an e-mail with a link that will allow you to update your password.

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