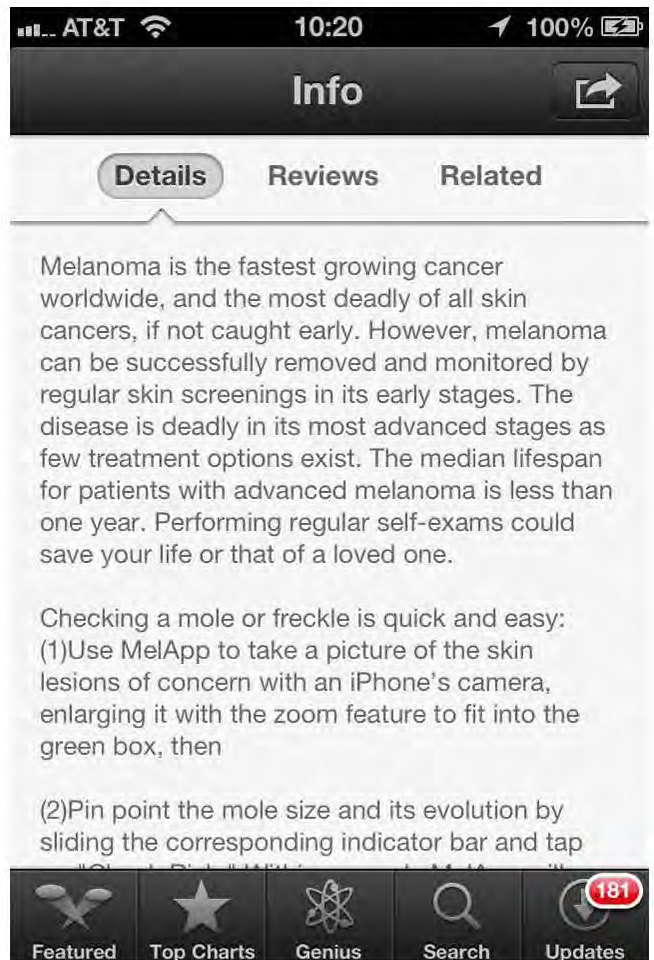
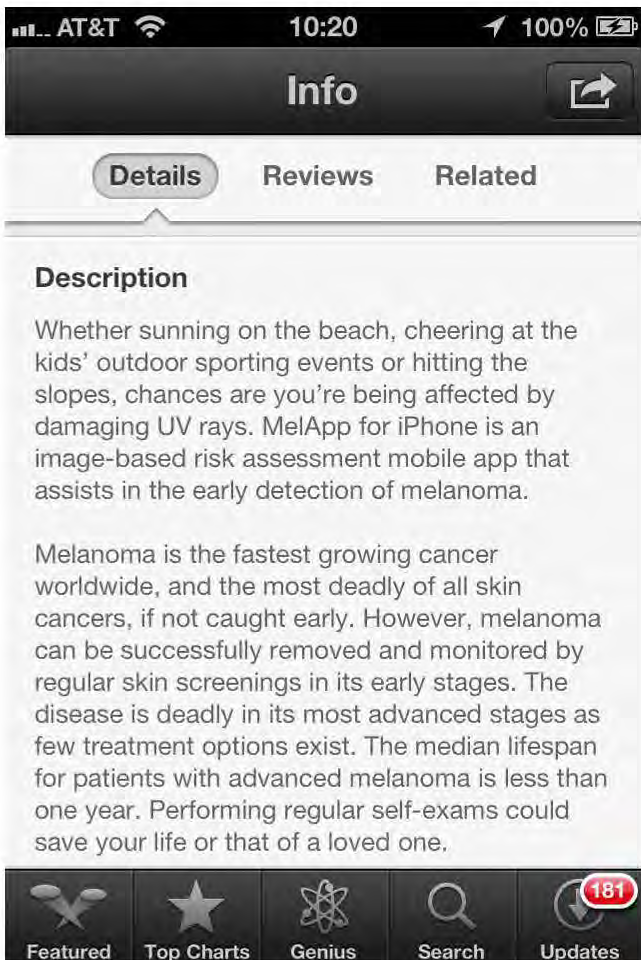
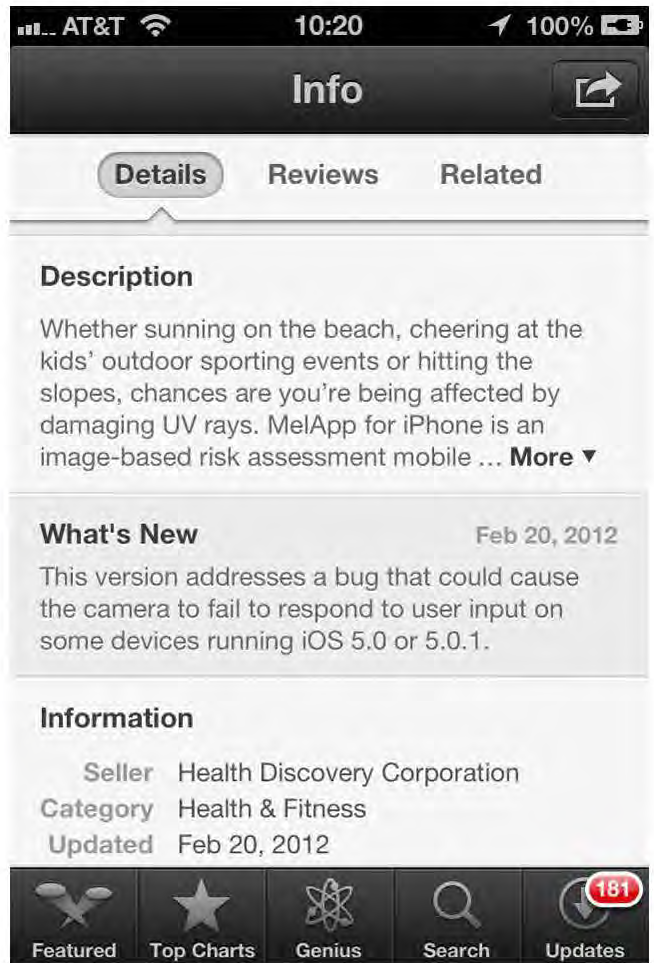
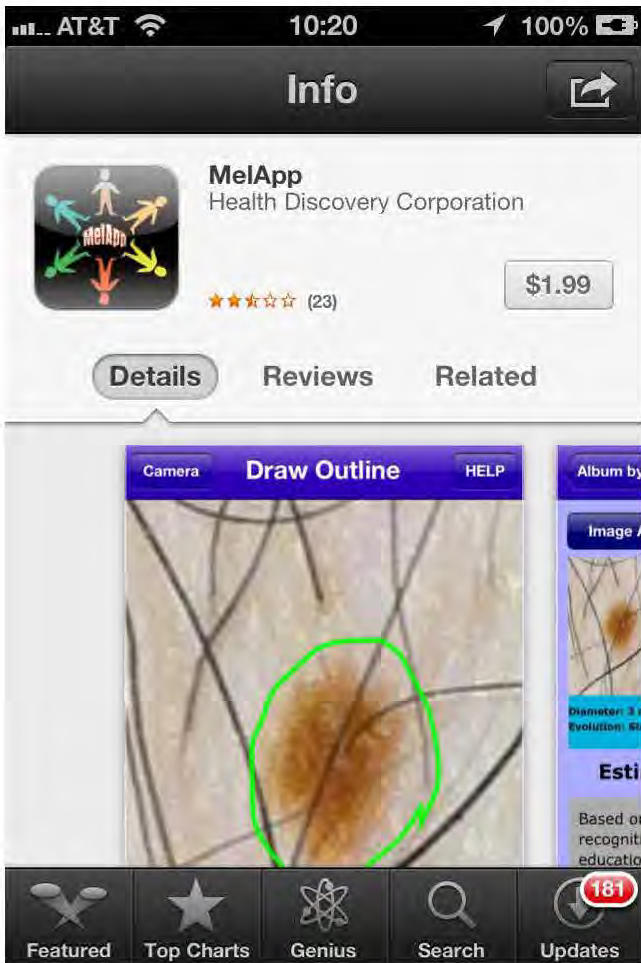
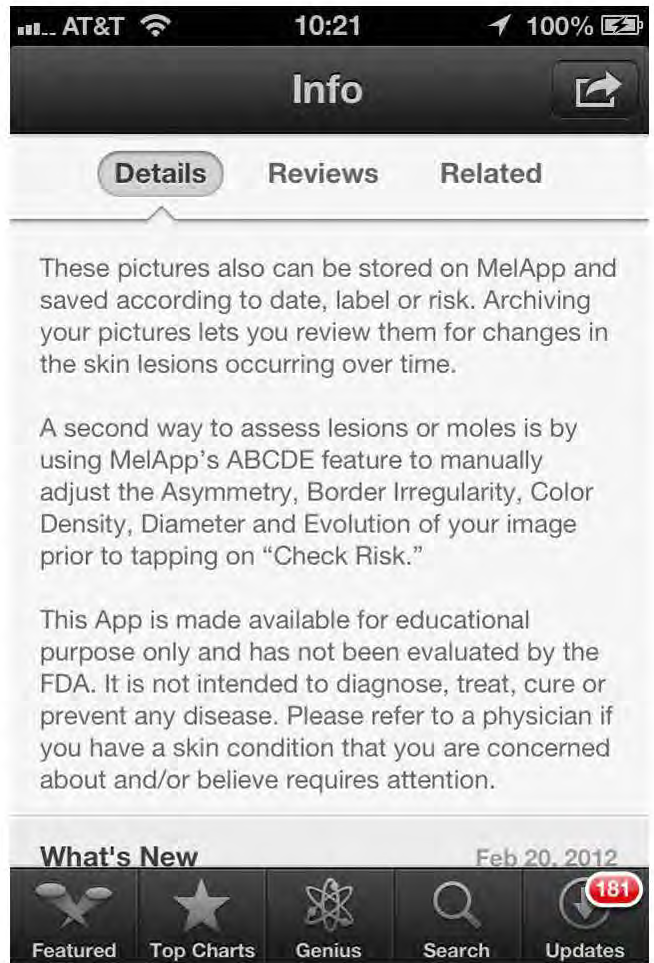
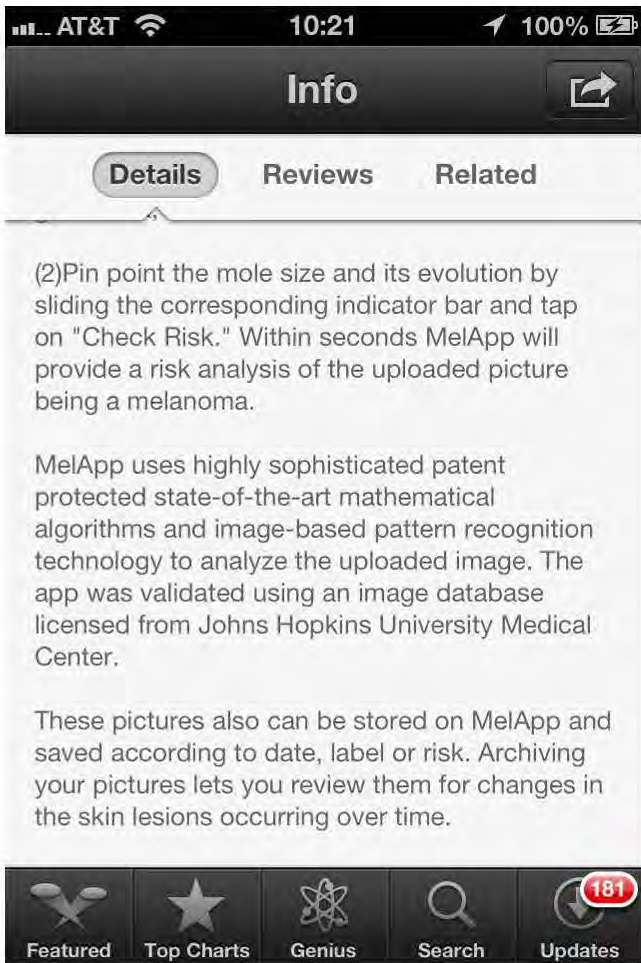
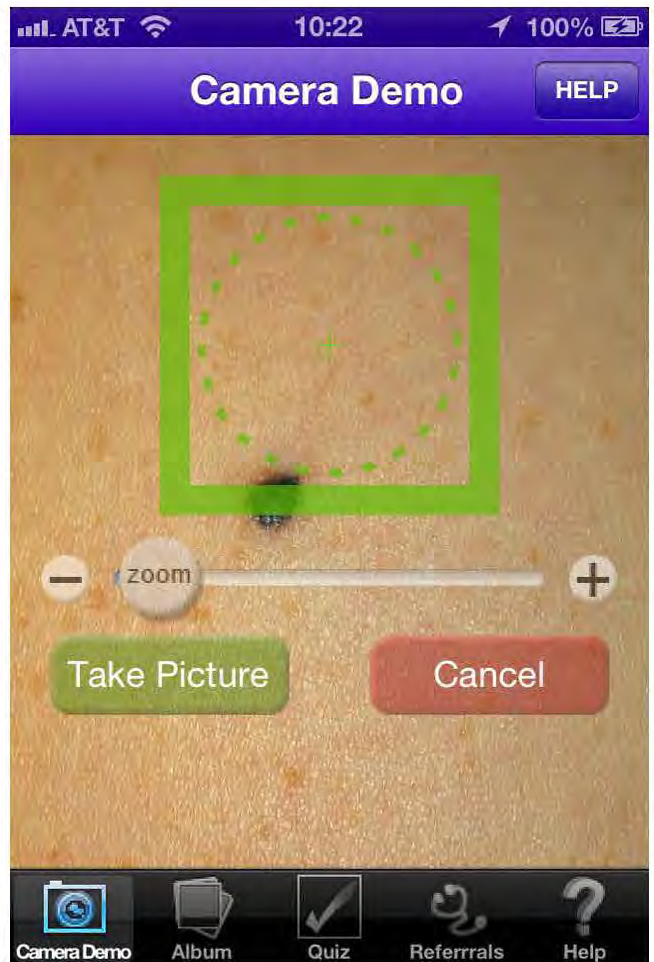
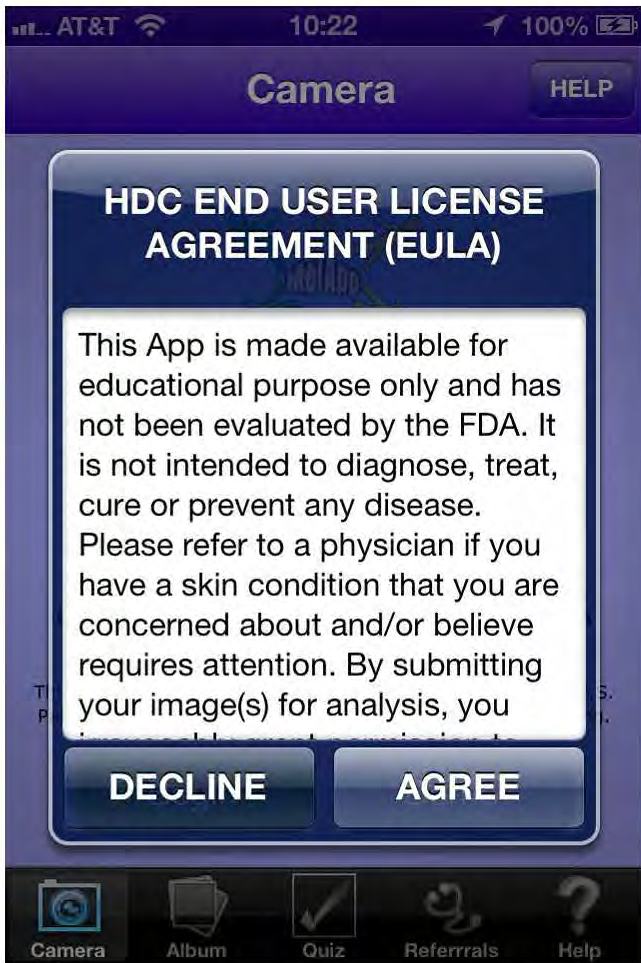
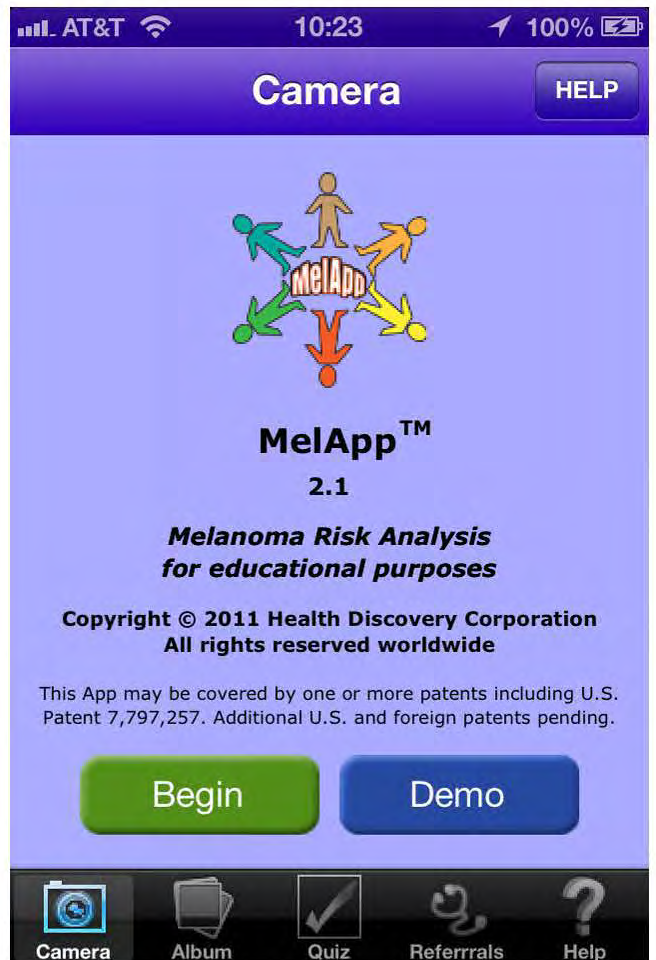
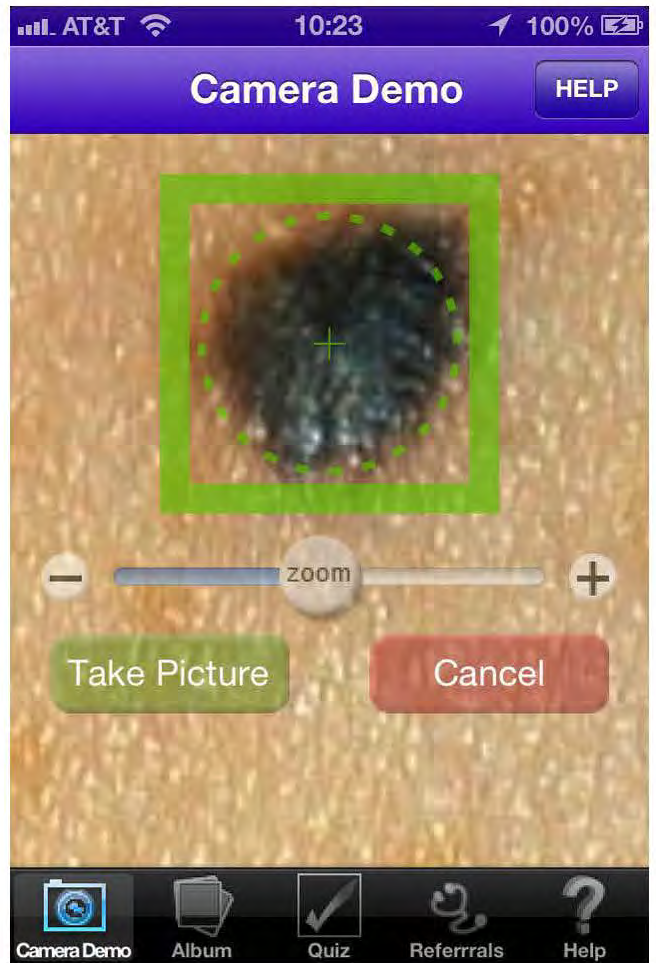
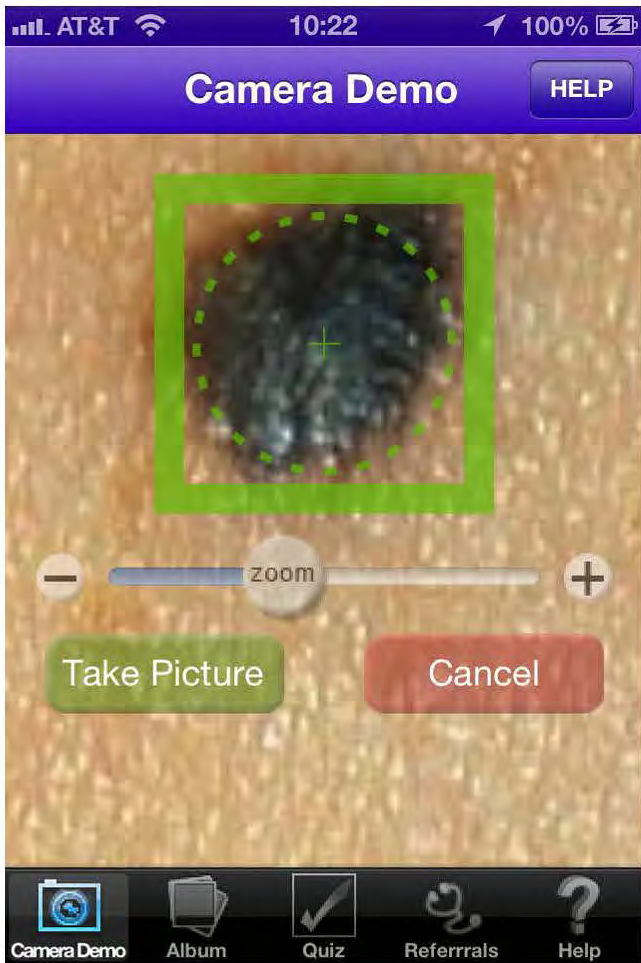


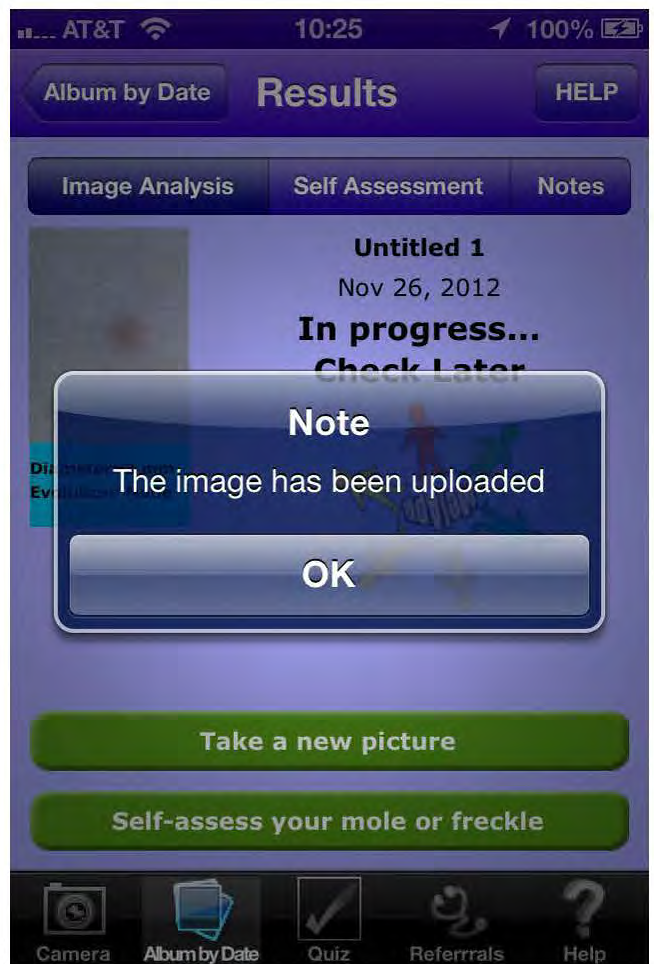
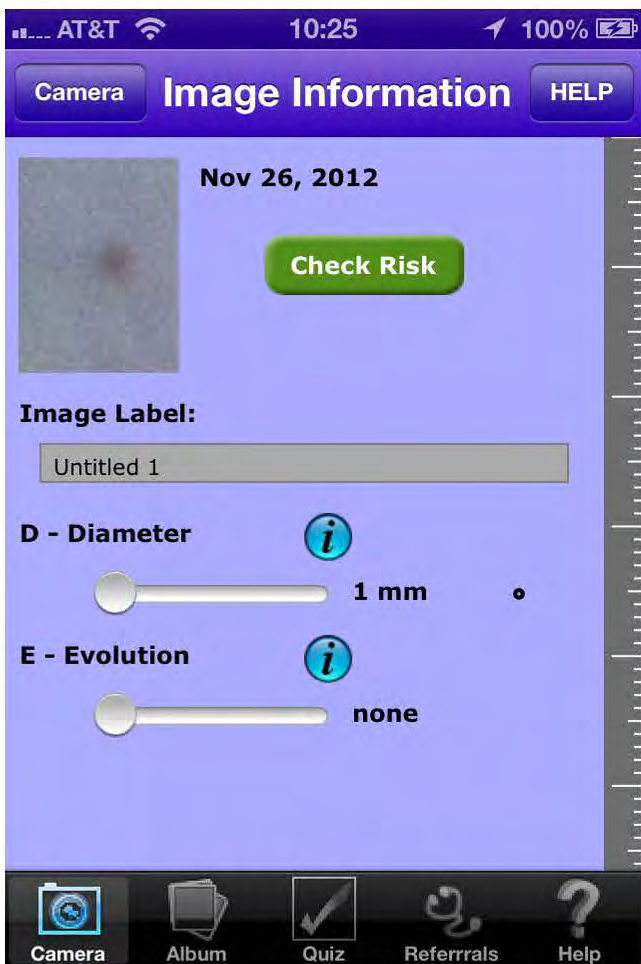
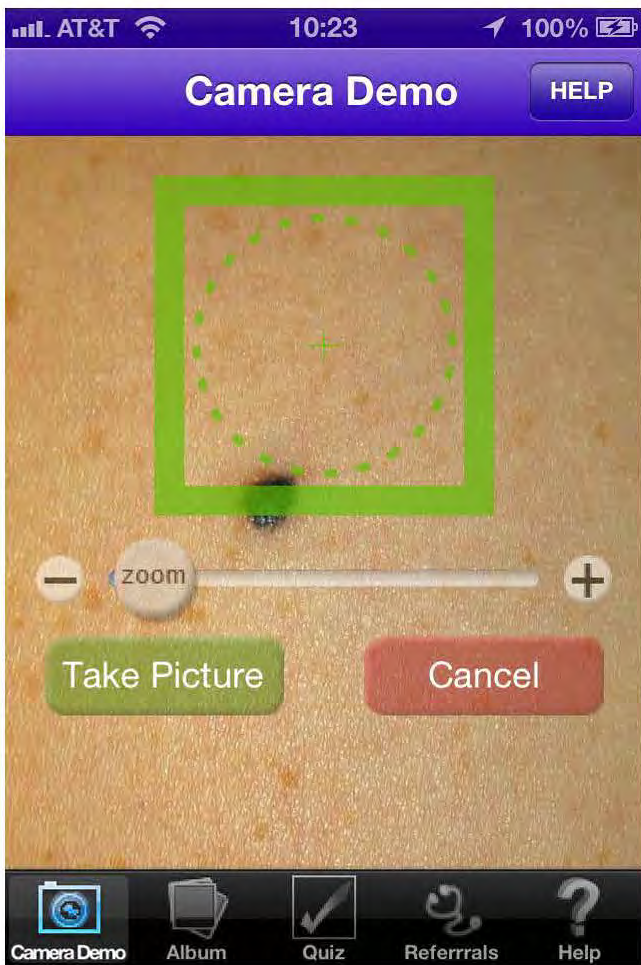
## **EXHIBIT A**

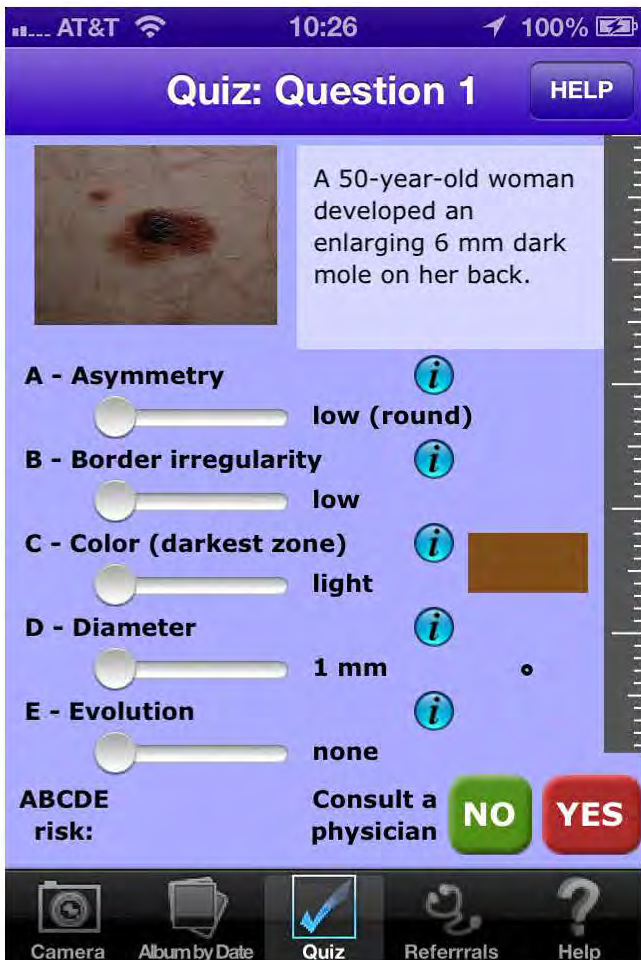
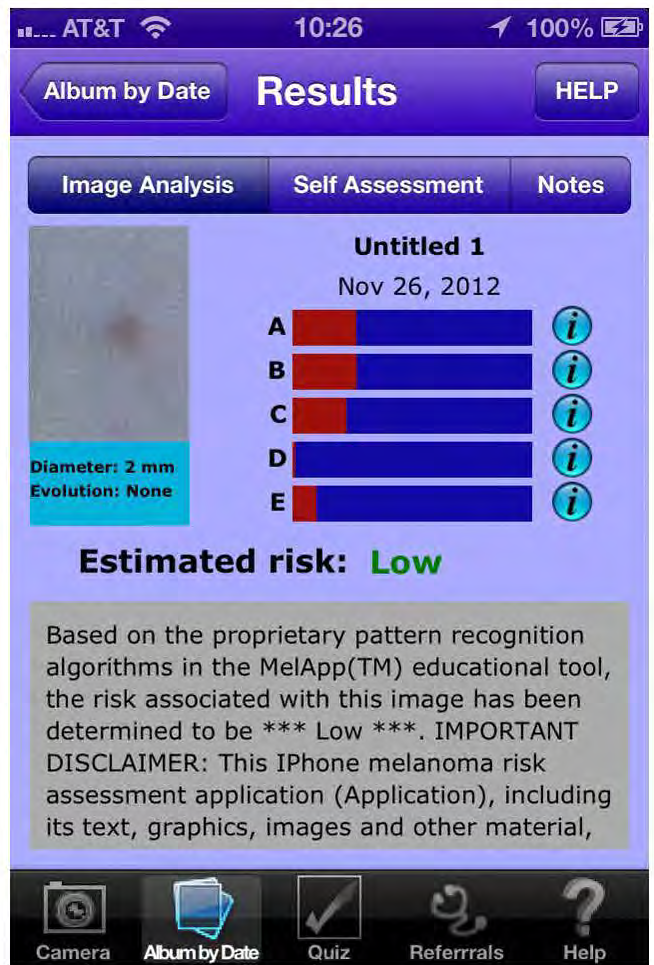
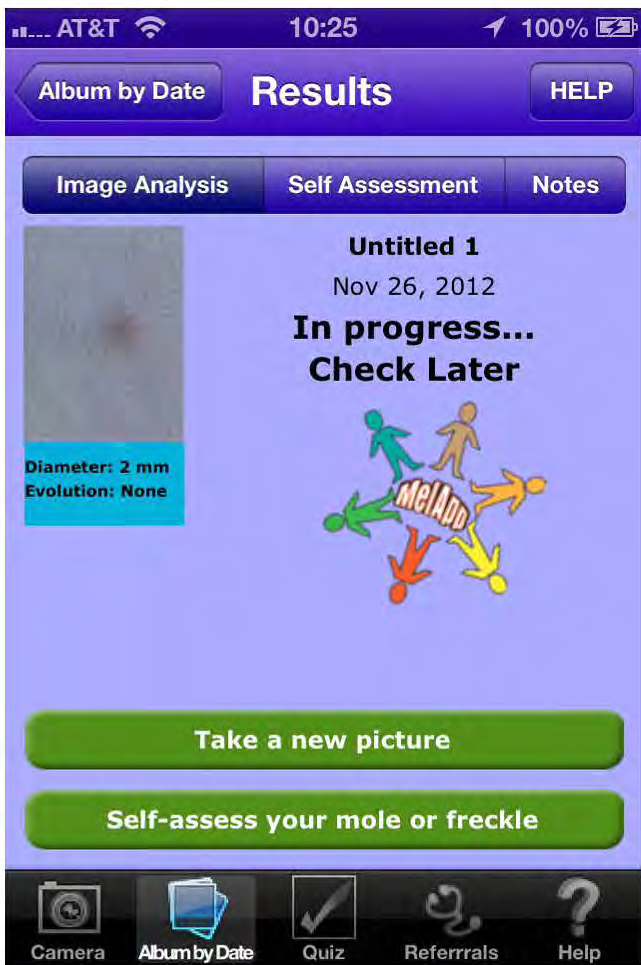












# Help

Camera

Learning

Prevention

Self-assessment

ABCDE Features

Image Information

Image Analysis

Quiz

Terms

Contact



Camera



Album by Date



Quiz



Referrals (Google)



Help



## **EXHIBIT B**

FirefoxESR

MelApp - Android Apps on Google Play

https://play.google.com/store/apps/details?id=com.psi.software.melapp

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Editors' Choice




**MelApp**

Health Discovery Corporation - September 18, 2013  
Health & Fitness

**\$1.99 Buy** Add to Wishlist

★ ★ ★ ★ ★ (14)

**8+1** +10 Recommend this on Google



## Description

Whether sunning on the beach, cheering at the kids' outdoor sporting events or hitting the slopes, chances are you're being affected by damaging UV rays. MelApp for the Droid is an image-based risk assessment mobile app that assists in the early detection of melanoma.

Melanoma is the fastest growing cancer worldwide, and the most deadly of all skin cancers, if not caught early. However, melanoma can be successfully removed and monitored by regular skin screenings in its early stages. The disease is deadly in its most advanced stages as few treatment options exist. The median lifespan for patients with advanced melanoma is less than one year. Performing regular self-exams could save your life or that of a loved one.

Checking a mole or freckle is quick and easy:

- (1) Use MelApp to take a picture of the skin lesions of concern with the phone's camera, fit the mole in the green circle and square by enlarging it with the zoom feature and/or resizing the green circle
- (2) Pin point the mole size and its evolution by sliding the corresponding indicator bar and tap on "Check Risk." Within seconds MelApp will provide a risk analysis of the uploaded picture being a melanoma.

MelApp uses highly sophisticated patent protected state-of-the-art mathematical algorithms and image-based pattern recognition technology to analyze the uploaded image. The app was validated using DermAtlas, an open access, physician-edited database of over 10,000 high quality histological and clinical images of skin conditions.

These pictures also can be stored on MelApp and saved according to date, label or risk. Archiving your pictures lets you review them for changes in the skin lesions occurring over time.

FirefoxESR

MelApp - Android Apps on Google Play

https://play.google.com/store/apps/details?id=com.psi.software.melapp

Wikipedia (en)

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The screenshot shows the MelApp interface on an Android device. At the top, there's a status bar with the time 4:53 PM and various icons. Below that is a blue header with 'Album by Risk' and 'Results' buttons, and a 'HELP' button. Underneath are three tabs: 'Image Analysis', 'Self Assessment', and 'Notes'. The main content area shows a photo of a mole on the left. To its right, the text reads 'Untitled', 'Jan 31, 2012', and a list of five categories (A-E) with progress bars and information icons. Below this, it says 'Estimated risk: 'No call'' and provides a text explanation: 'The area of the picture identified as a candidate mole is very small. This may be due to a segmentation error of our'. At the bottom, there are three buttons: 'Camera', 'Album by Risk', and 'Help'.

Album by Risk Results HELP

Image Analysis Self Assessment Notes

Untitled  
Jan 31, 2012

A [Progress Bar] ⓘ  
B [Progress Bar] ⓘ  
C [Progress Bar] ⓘ  
D [Progress Bar] ⓘ  
E [Progress Bar] ⓘ

Diameter: 5 mm  
Evolution: slow

**Estimated risk: 'No call'**

'The area of the picture identified as a candidate mole is very small. This may be due to a segmentation error of our

Camera Album by Risk Help

Description

Whether sunning on the beach, cheering at the kids' outdoor sporting events or hitting the slopes, chances are you're being affected by damaging UV rays. MelApp for the Droid is an image-based risk assessment mobile app that assists in the early detection of melanoma.

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Checking a mole or freckle is quick and easy:

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Album by Risk Results HELP

Image Analysis Self Assessment Notes

Untitled  
Jan 31, 2012  
Self-assessed risk:  
**'Medium'**

A - Asymmetry medium

B - Border irregularity medium

C - Color (darkest zone) medium

D - Diameter 5 mm

E - Evolution slow

Camera Album by Risk Help

### Description

Whether sunning on the beach, cheering at the kids' outdoor sporting events or hitting the slopes, chances are you're being affected by damaging UV rays. MelApp for the Droid is an image-based risk assessment mobile app that assists in the early detection of melanoma.

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Checking a mole or freckle is quick and easy:

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MelApp - Android Apps on Google Play

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These pictures also can be stored on MelApp and saved according to date, label or risk. Archiving your pictures lets you review them for changes in the skin lesions occurring over time.

A second way to assess lesions or moles is by using MelApp's ABCDE feature to manually adjust the Asymmetry, Border Irregularity, Color Density, Diameter and Evolution of your image prior to tapping on "Check Risk."

This App is made available for educational purpose only and has not been evaluated by the FDA. It is not intended to diagnose, treat, cure or prevent any disease. Please refer to a physician if you have a skin condition that you are concerned about and/or believe requires attention.

The app has been developed for Motorola Droid X version 2.2 and is not guaranteed to work on other platforms or android devices. We are working to expand the approved device list. Please check back for updates.

## Reviews

Write a Review

1.2

★ 5	0
★ 4	1
★ 3	0
★ 2	0
★ 1	13

14 total

Galaxy nexus Educational. worked well . Part of some screens were obscured.  
A Google User ★★★★★

Force closes lon hitting the "begin"butt on, it force closes every time... HTC ins pire  
A Google User ★★★★★

## Additional information

Updated	Size	Installs	Current Version
September 18, 2013	5.2M	100 - 500	A1.0

FirefoxESR

MelApp - Android Apps on Google Play

https://play.google.com/store/apps/details?id=com.psi.software.melapp

Wikipedia (en)

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Editors' Choice


## Reviews


Helpfulness ▾ All Versions ▾ [Write a Review](#)


*User reviews*


 A Google User April 16, 2012  
★★★★☆  
**Galaxy nexus** Educational. worked well. Part of some screens were obscured.


 A Google User February 1, 2012  
★★★★★  
**Force closes** Ion hitting the "begin" button, it force closes every time... HTC inspire

 A Google User February 6, 2012  
★★★★★  
**HDC** should concentrate on getting the PCa ur ine test commercialized instead of releasing poorly coded apps.

 A Google User February 5, 2012  
★★★★★  
**Waste of money** Had to pay for this app, constantly receiving the same error message. Refund please!

 A Google User May 29, 2012  
★★★★★  
**Junk** Didn't even open without force close! Worst \$2 spent ever! Close the app you are stealing buttholes

 A Google User February 3, 2012  
★★★★★  
**HTC G2 - Forced to close** Keep getting the same error message: Sorry! The application Mel App (process com.psi.software.melapp) has stopped unexpectedly. Please try again. It never started in the first place and always force you to close.

 A Google User June 16, 2012  
★★★★★  
**Not right** Yes, this app crashes before it begins. Something to do with the interface between the app and the camera on the phone that don't jive with one another. Someone with Melapp needs to take a look at this, clearly. I would like my \$2.00 back but can't imagine how I would ever make that happen.




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## Additional information

<b>Updated</b> September 18, 2013	<b>Size</b> 5.2M	<b>Installs</b> 100 - 500	<b>Current Version</b> A1.0
<b>Requires Android</b> 2.2 and up	<b>Content Rating</b> Low Maturity	<b>Contact Developer</b> <a href="#">Visit Developer's Website</a> <a href="#">Email Developer</a>	

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## Reviews

Helpfulness ▾ All Versions ▾ [Write a Review](#)

 **A Google User** August 7, 2012  
★ ★ ★ ★ ★  
**Melapp Crashes**


 **A Google User** October 11, 2012  
★ ★ ★ ★ ★  
**Crashes at Start** This app crashes at start up as noted in other reviews. I'm an android developer and I would never put an app in the Play Store that wasn't tested to work in every conceivable condition and on every device possible. The app is continuing to collect money and some of these reviews are as far back as Feb 2012 and still nothing has been done. Google should pull this app.


 **Simon Wood** April 21, 2013  
★ ★ ★ ★ ★  
**Woeful** Great idea, shocking implementation


## Additional information

<b>Updated</b> September 18, 2013	<b>Size</b> 5.2M	<b>Installs</b> 100 - 500	<b>Current Version</b> A1.0
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 **Simon Wood** April 21, 2013  
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Woeful Great idea, shocking implementation


---

Additional information

<b>Updated</b> September 18, 2013	<b>Size</b> 5.2M	<b>Installs</b> 100 - 500	<b>Current Version</b> A1.0
<b>Requires Android</b> 2.2 and up	<b>Content Rating</b> Low Maturity	<b>Contact Developer</b> <a href="#">Visit Developer's Website</a> <a href="#">Email Developer</a>	


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Similar




**Skin Analytics**  
Skin Analytics Developer

★ ★ ★ ★ ★ **FREE**



**Mollie's Fund**  
Arc Design Studio

★ ★ ★ ★ ★ **FREE**



**TNM Cancer Stage**  
KeshRad (KK LTD)

★ ★ ★ ★ ★ **\$1.99**

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## **EXHIBIT C**



Whether sunning on the beach, cheering at the kids' outdoor sporting events or hitting the slopes, chances are you're being affected by damaging UV rays. MelApp is an image-based risk assessment mobile app that assists in the early detection of melanomas.

### How It Works

Melanoma is the fastest growing cancer worldwide and the most deadly of all skin cancers, if not caught early. Performing regular self-exams could save your life or that of a loved one.

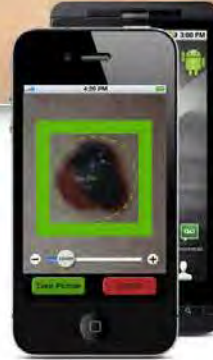
Checking a mole or freckle is quick and easy:

1. Use MelApp to take a picture of the skin lesions of concern with a smartphone's camera, enlarging it with the zoom...

### Key Features

**Photo Recognition.** MelApp uses highly sophisticated patent protected state-of-the-art mathematical algorithms and image based pattern recognition technology to analyze the uploaded image. The app was validated using DermAtlas, an open access, physician edited database of over 10,000 high quality histological and clinical images of skin conditions.

**GPS Doctor Connection.** Based on the location of your smartphone...



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### How it Works



Melanoma is the fastest growing cancer worldwide and the most deadly of all skin cancers, if not caught early. Performing regular self-exams could save your life or that of a loved one.

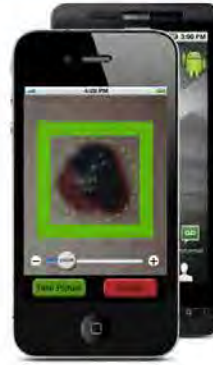
#### Checking a mole or freckle is quick and easy:

1. Use MelApp to take a picture of the skin lesions of concern with a smartphone's camera, enlarging it with the zoom feature to fit into the green box, then
2. Pin point the mole size and its evolution by sliding the corresponding indicator bar and tap on "Check Risk." Within seconds MelApp will provide a risk analysis of the uploaded picture being a melanoma.

MelApp uses highly sophisticated patent protected state-of-the-art mathematical algorithms and image based pattern recognition technology to analyze the uploaded image. The app was validated using DermAtlas, an open access, physician-edited database of over 10,000 high quality histological and clinical images of skin conditions.

These pictures also can be stored on MelApp and saved according to date, label or risk. Archiving your pictures lets you review them for changes in the skin lesions occurring over time.

A second way to assess lesions or moles is by using MelApp's ABCDE feature to manually adjust the Asymmetry, Border Irregularity, Color Density, Diameter and Evolution of your image prior to tapping on "Check Risk."



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### Key Features



**Photo Recognition.** MelApp uses highly sophisticated patent protected state-of-the-art mathematical algorithms and image based pattern recognition technology to analyze the uploaded image. The app was validated using DermAtlas, an open access, physician-edited database of over 10,000 high quality histological and clinical images of skin conditions.

**GPS Doctor Connection.** Based on the location of your smartphone, MelApp can refer you to a nearby physician for proper medical follow up, without the need to input a zip code or any additional or personal information.

**Risk Evaluation.** MelApp provides a risk analysis of the uploaded picture being a melanoma within seconds.

**Archives.** Pictures can be stored on MelApp and reviewed for changes in the skin lesions occurring over time. Albums are storable by date label or risk to easily identify any changes.



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### About HDC



**Health Discovery Corporation (HDC)** is a molecular diagnostics company that uses advanced mathematical techniques to analyze large amounts of data to uncover patterns that might otherwise be undetectable. It operates primarily in the fields of personalized medicine where such tools are critical to scientific discovery.

Health Discovery Corporation has a patent portfolio of 46 issued patents and 39 pending patent applications worldwide primarily on Support Vector Machine (SVM) technology. SVM is one of the leading approaches to pattern recognition and machine learning worldwide, and has been utilized in the following applications: homeland security techniques; text and image classification; handwriting and speech recognition; fingerprint identification; face recognition; fraud detection and security systems; financial securities and futures prediction; image analysis; protein structure prediction; medical diagnosis and prognosis; classification of microarray gene expression data; identifying consumer purchasing patterns; personal recommendation systems; weather prediction; decryption; engine knock detection and vehicle control and monitoring; prediction of traffic variables in transportation systems... and now smart health iPhone apps with the launch of HelApp.

HDC's primary business consists of licensing its intellectual property and developing its own product line of biomarker-based diagnostic tests that include human genes and genetic variations, as well as gene, protein, and metabolic expression differences and image analysis in digital pathology and radiology. For more information, visit [www.healthdiscoverycorp.com](http://www.healthdiscoverycorp.com)



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