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CIRCS Counseling



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iGEM Team CMUQ 2018



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Carnegie Mellon University,
Doha Qatar.



Genetic Counseling



SCA Detection



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Detection

Sickle Cell Anemia Detection THE CIRCS DEVICE

Counseling by Pedigree

How Does It Work?

Some details on the hardware and

The Team

instructions on how to use.

TAKE THE TEST

Contact Us



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THE CIRCS DEVICE

How Does It Work?

The device is a fluorescence sensor. It measures the light emitted by the sample by illuminating it with a UV LED. The device then continues by taking the measurement of the light reflected by the sample.

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Build A SCA Family Tree

To understand the SCA effect on your children

Are you affected?

Is your partner affected?

Is your mother affected?

Is your father affected?

How many of your siblings are affected?

Additional Information

Paternal Family

Are you affected?

Is your partner affected?

Is your mother affected?

Is your father affected?

How many of your siblings are affected?

Additional Information

Paternal Family

Is your grandfather affected?

Is your grandmother affected?

Maternal Family

Is your grandfather affected?

Is your grandmother affected?

CALCULATE THE RISK

Is your grandmother affected?

Maternal Family

Is your grandfather affected?

Is your grandmother affected?

CALCULATE THE RISK

Know What Your Risk Percentage Means

0 - 25 %

Interpretation 1

25 - 50 %

Interpretation 2

50 - 75 %

Interpretation 3

75 - 100 %

Complications

+ Who We Are

- What We Do

We are a interdisciplinary group, with students hailing from Biological Science, Computer Science and Information Systems across different undergraduate levels.

+ Why Choose Our Product?

CIRCS genetic counseling provides a faster and cheaper detection of Sickle Cell Anemia.