

Accelerating Innovations into CarE – Validate Program (AICE-Validate)



Handheld Biofluorescence Imaging Device

PROJECT FAST FACTS

RECIPIENT: Kent Imaging Inc.

AWARD: \$300,000

AWARD DATE: December 1, 2023

PROJECT DURATION: 12 months

THE PROBLEM

Approximately 8.5 million people in the US have open wounds that resist healing. Understanding the condition of the wound and its ability to heal is critical in planning a course of treatment. Blood tests and physician examinations are only the beginning of treatment, with hyperbaric oxygen, angioplasty, skin substitutes and various drugs available to help with wound healing. Imaging the wound using various wavelengths of light can further assist the selection of the best or most efficient treatment. Imaging solutions need to be quick to implement with easy-to-understand results. Using a handheld device is key to simplifying the process and improving general physician acceptance.

THE SOLUTION

Kent Imaging is developing a handheld imaging device called Snapshot which displays a colorized image of various conditions present in a wound. The battery powered device uses light to help physicians assess wound condition and choose a course of treatment. Artificial intelligence translates the light information into a colorized, easy to use and interpret image.

PROJECT OBJECTIVES

Kent Imaging will be conducting a series of lab tests, clinical evaluations, and clinical studies to obtain regulatory approval for its newest enhanced imaging device.

ABOUT THE AICE-VALIDATE PROGRAM

AICE-Validate is an opportunity for Alberta's health-tech innovators to accelerate commercialization of digital and data-enabled health technologies through the early validation phase. If you'd like to learn more, please check out [AICE Validate on the Alberta Innovates website](#).

Learn how

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