OMNIDERMAL BIOMEDICS

Wound Viewer

The First AI Powered Device for Wound Care

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Chambre de Commerce Italienne au Canada

Omnidermal Biomedics s.r.l.
Artificial intelligence applied to dermatology

Our Mission is to improve the living conditions of patients with dermatological and vascular diseases by developing medical devices, based on artificial intelligence, that support doctors and nurses during the decision-making process, providing them with accurate and objective data aimed at optimizing the process of care of patients.

R&D

Research team specialized in Artificial Intelligence applied to "*Precision & Predictive Medicine*".

Clinical Experience

AI algorithms trained on major international clinical protocols (e.g. WBP for ulcers).

Accademic Cooperation

Spin-off of the Politecnico di Torino and academic relations in Italy, Europe and the United States

#Wound Viewer

Our Product
The Wound Viewer

Wound Viewer is a class Iia (MDR) portable medical device, aimed at healthcare professionals, which allows in a few seconds to obtain a **complete and automatic** evaluation of the evolution of skin wounds.

The device, based on **artificial intelligence algorithms**, is able to provide in less than 2 minutes to the operator all the clinical parameters necessary to assess and monitor the pathological state of skin ulcers (e.g. tissue granulation, ulcer classification, area, depth and volume of the wound) based on the international protocol **Wound Bed Preparation Score (WBP)**.

The data are automatically **organized** in the patient's medical record in which the evolution of the pathological state is shown, also graphically.

Use cases for Wound Viewer application(1/3) Overview

The Wound Viewer can be applied in different areas, ranging from the management of home care to the support of Clinical Trials of pharmaceutical companies. The following are some of the application cases for the Wound Viewer

Home care

The use of the Wound Viewer in the field of home care makes it possible to improve nurse-specialist communication, standardize measurement operations, optimize the allocation of resources, etc.

Hospital- ward management

The use of the Wound Viewer within hospital wards allows for better surveillance of bedridden patients, to optimize the management of bandages and drugs, to improve the management of electronic medical records and to optimize the beds of "chronic patients".

Private practitioners

The use of the Wound Viewer within doctors' private practices to improve the management of patient follow-up, to improve the efficiency of visits (e.g. organization of medical records) and as a legal support tool.

Nursing homes

The use of the Wound Viewer as a monitoring and surveillance system for bedridden and non-self-sufficient patients in nursing homes, to prevent the onset of clinical complications (e.g. bedsores) and as a legal support tool

Insurances

The use of clinical data produced by the Wound Viewer to support risk profiling and actuarial calculations for insurance products and health, health and professional healthcare policies

Pharmaceutical companies

The use of the Wound Viewer to support clinical trials, so as to provide pharmaceutical companies with the data and evidence necessary for a successful clinical trial
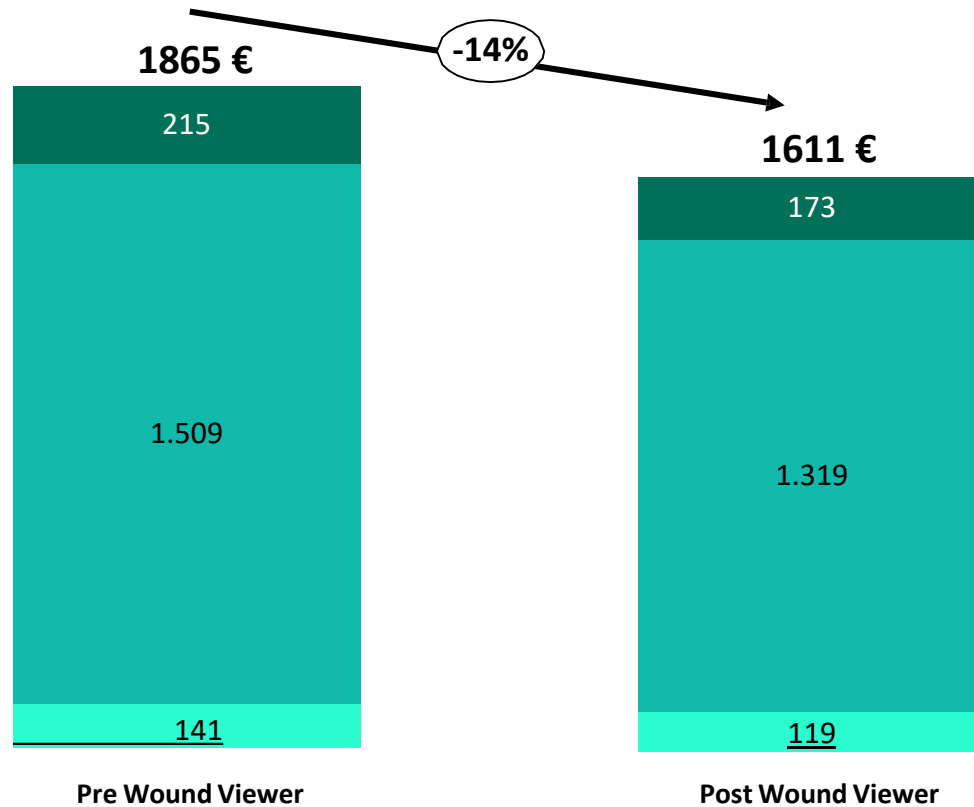
Use cases for Wound Viewer application
Benefits for home care service deliverers

HC costs for ulcer patients– CASE STUDY

Cost (€/patient)

1865 €

215

1.509

141

Pre Wound Viewer

-14%

1611 €

173

1.319

119

Post Wound Viewer

■ Costs for medication   ■ HC access cost   ■ Threpeutic plan cost

Highlights

Following the reorganization of the Home Care structure of a Piedmontese health facility, it was decided to introduce a system for tracking and monitoring costs related to nursing access, medication and treatment plans, supported by the Wound Viewer.

After a year of use, in addition to having a better satisfaction of both the patient, because the solution is non-invasive, and the health care professional, because its operations are simplified, the Wound Viewer has allowed to achieve the following savings*

~250
€/patient savings

~12,5%
Reduced cost of medical access and nurses

~20%
Reduced cost of pharmacy management

#Wound Viewer   * Case study data available under request   9

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