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# PROVIZIO®

## SEM SCANNER

# Insight. Intelligence. Act.



**The only SEM Scanner that acts as an adjunct  
to routine clinical skin assessment**

**Scan and detect deep and early-stage Pressure Injuries/Ulcers 5 days\* earlier.<sup>1</sup>**



# Did you know?

Pressure Injuries/Ulcers (PI/PUs) represent a significant clinical and financial burden with a prevalence of 0%<sup>2</sup> to 72.5%<sup>3-4</sup> internationally dependant upon the country.

PI/PUs are common in all healthcare settings, and are an underappreciated public health issue.



To find out more scan this code or visit our website

[www.sem-scanner.com](http://www.sem-scanner.com)

## Real World Data

**1952**  
Acute Patients<sup>9</sup>

Acute Patients included in the real world PI/PU prevention programme database

**£2.1**  
Billion<sup>5</sup>

Annual cost of PI/PUs to the UK healthcare system

**90%**  
reduction<sup>9</sup>

90% (weighted) reduction of HAPI/U in Acute Care setting facilities

**5-8**  
Additional days<sup>6</sup>

Additional hospital days per inpatient stay due to PI/PUs

**Standard practice**

Incorporated the SEM Scanner into standard practice  
Scarborough Health Network, Canada<sup>10</sup>

**13.1%**  
Prevalence<sup>7</sup>

European PI/PU prevalence identified in Systematic Review

**Controlled Clinical Study<sup>1</sup>**

- Enrolled 189 at-risk patients from 12 clinical study sites across the UK and US.
- The SEM Scanner demonstrated higher sensitivity of 87.5% compared to visual skin assessment (VSA) of PI/PUs.
- The SEM Scanner has been found, when used as an adjunct to current standard of care, to support Health Care Practitioners (HCPs) to detect deep and early-stage PI/PUs on admission and 5 days\* earlier than VSA.

**3-10**  
Days<sup>8</sup>

For a PI/PU to be visible from below the skin surface

**International Clinical Practice Guidelines (CPG)<sup>11</sup>**

- CPG recommendation 2.6 states that HCPs using their own qualified clinical judgement should, *"Consider using a sub-epidermal moisture/edema measurement device as an adjunct to routine clinical skin assessment."*
- CPG recommendation 2.7 states that HCPs using their own qualified clinical judgement when assessing darkly pigmented skin should, *"Consider assessment of skin temperature and sub-epidermal moisture as important adjunct assessment strategies."*

The Provizio® SEM Scanner is available in two versions:



Single-use sensor, for single patient use



Integrated fixed head sensor



## PROVIZIO® SEM SCANNER

Introducing Provizio® SEM Scanner, the first hand-held wireless scanner with intelligence inside, for fast and easy PI/PU risk assessments and the only SEM Scanner that acts as an adjunct to routine clinical skin assessment on the sacrum and heels.

Digitally enhance the patient care pathway with built-in data transfer for enhanced insight and risk identification, five days\* earlier than visual skin assessment,<sup>1</sup> regardless of skin tone.<sup>12</sup>

In clinical practice since 2014, the new Provizio SEM Scanner has, in preliminary laboratory testing, shown the same precision as the previous SEM Scanner 200 model.<sup>13</sup>



Detect deep and early stage PI/PUs

**5 days\***  
earlier<sup>1</sup>

**Provizio SEM Scanner, the only hand-held wireless device, that offers PI/PU risk assessment insight by rapid scanning, effortless data capture and real-time data transfer.**

### Real-time data

The device scans and collects patient data in real-time, site-by-site and patient-by-patient. When placed in the Provizio Charging Hub, the collected data automatically transfers to the comprehensive Gateway Dashboard for patient, ward and facility management purposes.

### Objective PI/PU risk alerts

The objective, anatomically specific delta readings and integrated, seamless data management, help empower HCPs. Earlier detection of deep and early-stage PI/PUs on admission, allows targeted interventions 5 days\* before it becomes visible on the skin surface,<sup>1</sup> regardless of skin tone.<sup>12</sup>

### Infection control in mind

Using the Provizio SEM Scanner, single-use sensor version, helps to manage the burden of disinfection and infection control.





# Intelligence.

**Intelligent technology supporting PI/PU prevention, developed in collaboration with health care practitioners and researchers.**

## Intelligent PI/PU prevention

The intelligent technology, designed in collaboration with HCPs and researchers, supports targeted PI/PU incidence reduction in all challenging healthcare environments, regardless of skin tone.<sup>12</sup> The technology identifies biocapacitance of soft tissues which is described as a biophysical marker.<sup>14</sup>

## Technology empowering HCPs

An adjunct to the existing care pathway, Provizio SEM Scanner puts intelligence in the palm of the HCP's hand. The intuitive device with barcode scanning capabilities and patient data dashboards empower HCPs to target PI/PU incidence reduction.

## Seamless data management

Capture and transfer objective data on a select patient or wider patient population seamlessly and directly to the Gateway Dashboard. HCPs across the care pathway can review and share anatomically-specific data to help identify PI/PU risks for all their patients, regardless of skin tone.<sup>12</sup> As all data is collected and stored in digital format, managing and reporting is easier and faster than before.



Implementation of the SEM Scanner technology as an adjunct to current care practice of VSAs is highly likely to lead to significant financial benefits and cost savings<sup>16</sup>

# Act.

**The unique Provizio SEM Scanner is creating a new paradigm for PI/PU prevention, digitally enhancing the care pathway across all healthcare settings.**

## Facilitate immediate action

The Provizio SEM Scanner is designed to rapidly and easily scan anatomically-specific areas of the body to detect deep and early-stage PI/PUs. The intuitive user interface makes it incredibly easy to use, scan, read, interpret and take action based on real-time results.

## Earlier detection of deep and early stage PI/PUs

With the Provizio SEM Scanner, HCPs have the ability to detect deep and early-stage PI/PUs on admission and 5 days\* before it becomes visible on the skin surface,<sup>1</sup> regardless of skin tone.<sup>12</sup> The technology immediately reports PI/PU risk status on the individual patient, providing a clear pathway to help reduce PI/PU risk.

## Reduce time and costs of care

The Provizio SEM Scanner is a cost-effective means of documenting PI/PU risk<sup>15</sup> and supports reduced nursing time and costs of care by avoiding the complications that arise from PI/PUs. Earlier detection of deep and early-stage PI/PUs, enabling targeted interventions, can result in significant financial benefits and cost savings,<sup>16</sup> helping to reduce the cost of care, free up nursing hours, release bed days and increase ROI.<sup>15-16</sup>

