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| **Standard Operating Procedure (SOP) Relating to SEM Scanners** | | | |
| Effective Date: | June 2022 | Review Date: | June 2023 |
| Author: | Carolanne Mainland, Director of Operations | | |

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| **Purpose and Objective:** |
| The standard operating procedure (SOP) aims to provide a framework for staff to adhere to when operating the Provizio SEM Scanner for Pressure Ulcer Prevention.  The SOP will ensure that care delivery will adhere to NICE and Arjo guidance.  It is the responsibility of the Care Practitioner utilising the scanner to ensure they are aware of current pressure ulcer guidance and have attended relevant training.  Objectives  To ensure Care Practitioners are aware of:   * The correct procedure for using Provizio SEM scanner * To enable staff to identify what clients are appropriate for scanning * To identify abnormal and normal delta readings and escalate as appropriate * To identify and monitor trends   The SOP is to be used in conjunction with   * 5 question tool (appendix 1) * SEM Scanner Flowchart (appendix 2) * SEM Matrix (appendix 3) * Tissue Viability Training Resources * Training from Arjo on the use of the SEM Scanner * Healthcare Improvement Scotland Standards of Prevention and Management of Pressure Ulcers * Pocket Guide on the use of the SEM Scanner |
| **Personnel to which SOP applies:** |
| Practice Support Technicians/Care Practitioners |
| **Responsibilities** |
| **Director of Operations**   * To lead on Operational Excellence * To monitor performance * To deliver Tissue Viability Training   **Service Manager**   * To ensure that a staff member is allocated daily to undertake SEM scanner assessments. * To ensure that the Provizio SEM scanner is part of the team asset list and ensure appropriate processes to ensure machine is checked in and out of base. * To ensure all team members have received adequate training/review training resource. * To ensure all Practice Support Technicians within the team have completed Tissue Viability Training. * To ensure all patients are discussed in safety huddles and delta reading escalated. * To ensure Practice Support Technicians have had training from Arjo.   **Practice Support Technicians**   * To ensure that adequate training/training resource has been utilised. * To follow correct procedure when undertaking SEM scanner assessment. * Highlight any appropriate people to Service Manager for scanning. * Highlight any abnormal delta readings or identification of skin damage for full assessment and plan visit for review. * Escalate any concerns. * Complete 5 Question Tool.   **All Staff**   * To ensure the appropriate measures are taken to ensure safe storage of the SEM Scanner. * To ensure SEM scanner is cleaned following every use with Clinell wipes. * To escalate any malfunctioning equipment to Arjo. * To review matrix and act as appropriate. |

**Appendix 2**

**SEM Scanner Flowchart**

**Step 1**

Complete 5 Question Tool

**Patient at Risk.**

Damage may already be present or developing.

* Educate patient and family regarding pressure damage prevention.
* Encourage/assist with 2 hourly repositioning.
* Consider nutritional review.
* Consider the introduction of barrier creams.
* Document all changes in patients notes.
* Continue daily skin assessments including VSA and SEM scanning until skin improves and Delta <0.6. Return to Step 1.

**Step 2**

Explain the reason for SEM use and scan both heels and sacrum unless scanning is contraindicated.

**Step 3**

Perform skin assessment including SEM Scanner.

Record delta.

Delta >0.6 or increasing

Delta <0.6 and stable

**Step 4**

Record and rescan in 3 days.

**Contraindications to SEM scanning.**

* Client/family refuses.
* The client does not have capacity.
* Skin damage already present on both sacrum and heels (if damage to one area only, other areas should still be scanned).

**Appendix 3**

**SEM SCANNER MATRIX**

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| * Review client holistically * Implement action plan based on risk factors * Document all actions taken including actions taken to prevent skin damage * Provide client advice/education | * Review client holistically * Review frequent repositioning/movement * Implement action plan based on risk factors * Implement/review plan of care * Provide client advice/education * Consider assessment by District Nurse for equipment/seating assessment |

Less than 0.6 Greater than 0.6

(normal reading) (abnormal reading)

**Deviation**

**(Highest Scanner reading)**

Review scanning frequency if concerns/deterioration of condition.

**Appendix 4**

**Where to Scan**

