Longitudinal Yarn Compression Stockinet for Skin Shear Protection Improves Senile Skin Tensile Strength

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Problems
- Examples of shear injuries that occurred in institutions.
- Representative photos from the 401 nursing care patients “at risk” for skin breakdown in this study.

Treatment
- Single nurse screens all patients on admission to a skilled nursing unit. Using existing protocols for skin care, patients with at risk skin were identified.
- Longitudinal Yarn Compression stocking was used as a garment to protect at risk skin in 401 patients.

Outcome
- No patient developed skin injury while wearing Longitudinal Yarn Compression textiles. Longest follow up was 5 months.
- Average length of stay ~ 3 weeks, 401 patients in study.
- Control of edema with Longitudinal Yarn compression appears to improve skin tensile strength.