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

**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 stockinet was used as a garment to protect at risk skin in 401 patients.

**Outcome**
- No patient developed skin shear injury while wearing Longitudinal Yarn Compression textile. Longest follow up was 5 months.
- Average length of stay ~ 2 weeks; 401 patients in study.
- Control of edema with Longitudinal yarn compression appears to improve skin tensile strength.