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## Development of an interdisciplinary healthcare team for pressure injury management: A quality improvement project

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**Purpose:** The purpose of this quality improvement project was to create an interdisciplinary healthcare team for the management of patients with stage 3, stage 4, and unstageable pressure injuries (PIs), improve the communication among the interdisciplinary healthcare team, test the educational level of the nursing staff regarding PI management, and conduct quarterly PI prevalence surveys to decrease the rate of the hospital-acquired pressure injuries (HAPIs).

**Participants and setting:** Patients with stage 3, stage 4, and unstageable PIs in medical adult inpatient units of a private tertiary hospital located in the eastern province of Saudi Arabia were included in the study.

**Approach:** During the project period (February 21, 2017, to May 23, 2017), a healthcare team was formed consisting of a hospitalist, a plastic surgeon, a case manager, a dietitian, a physiotherapist, and wound and home health nurses. The team communication and staff adherence to the care plan were measured through an audit tool. Nurses' educational level was measured by pre- and posttest assessments. In addition, a quarterly PI survey day was conducted twice to monitor the occurrence of HAPIs and to reevaluate nursing staff knowledge of management of HAPIs.

**Outcomes:** Results showed improvement in communication within the interdisciplinary team regarding care of patients

with HAPIs, with 100% staff adherence to the plan of care. In addition, unit-based educational sessions conducted to measure staff knowledge showed a statistically significant increase ( $P < .000$ ). Although small, the HAPI rate decreased from 5.9% to 5% during this short 3-month study.

### Recent publications

1. Al-Mansour LA, Dudley-Brown S, Al-Shaikhi A. Development of an Interdisciplinary Healthcare Team for Pressure Injury Management: A Quality Improvement Project. *J Wound Ostomy Continence Nurs.* 2020 Jul/Aug;47(4):349-352.
2. Anthony D, Reynolds T, Russell L. The role of hospital acquired pressure ulcer in length of stay. *Clin Effectiveness Nurs.* 2004;8(1):4-10.
3. Matthew D, Nolan E, Sorvillo F. Pressure ulcers: more lethal than we thought? *Adv Skin Wound Care.* 2005;18(7):367-372

### Speaker Biography

Leena Ali Al-Mansour, a clinical nurse specialist in wound and ostomy care for 18 years at Johns Hopkins Aramco Healthcare. She graduated from Dammam University with a bachelor's degree in nursing from Saudi Arabia, attended Cleveland Clinic in 2007 for a wound, ostomy, and continence course, board certified as a wound care nurse (CWCN), Leena earned a master's degree from Kings College London in 2012. In 2017, Leena graduated from Johns Hopkins University with a degree of Doctoral of Nursing Practice.

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