Reducing the incidence of pressure injuries in aged care - optimising assessment, classification and treatment

Bayside Wound Group
Brighton Victoria
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Nurse Practitioner
Stomal Therapist
Breast cancer care
Bayside Wound Group established in 2012

Nurse lead service

Staff - 2 Nurse practitioners + 3 part time staff

Acute hospitals, aged care facilities, community visits and out patients clinic

Post acute, chronic, complex wounds, stomal therapy, breast care, diabetes education, special interest in the diabetic foot and pressure injury prevention

Education in wound management and stoma care

Approximately 400-450 visits per month
Pressure injury in aged care facilities

- Prevalence reported as high as 43%
- Major contributor to morbidity and mortality
- Decreased “Quality of Life”
Existing data demonstrates the burden of PI in the health care system and on society.

Cost in aged care facilities

What is it??

2012-2013 cost in Australia estimated

A$983 million per annum in public hospitals
Create a specific pressure injury prevention service dedicated to aged care facilities

- Multiple referrals for management of wounds from aged care facilities
- Failure to recognise the etiology of wound
- Lack of evidence based practice

Can we make a change?
Implementation

- The facility identifies the patients at risk of pressure injury refers to BWG
- First visit is bulk billed
- Nurse practitioner item number 82215
- Report of assessment management plans and recommendations to be implemented given to the facility and GP
The service

- Holistic patient assessment
- Pressure risk assessment (Braden tool)
- Recommendation pressure relieving devices
The Service

- How at access devices in a timely manner
- Individualised wound management plan
- Follow up and ongoing wound assessment
- Update management plans
Nutrition

- Malnutrition is a contributing factor to the development of pressure injuries and impaired healing

- Nutritional assessment using the Mini Nutritional Assessment - short form
Nutrition

- Malnourished patient implement a food and fluid chart
- Implement appropriate diet supplement
- +/- Dietician referral
Education

- Agreed education plan designed to meet each facilities individual needs
- Sessions for DIV 1&2 and PCAs
- Pressure injury risk assessment, staging prevention strategies
- Appropriate implementation of pressure relieving devices
Education

- Wound management
- Nutrition
- Documentation
- Online education program results are feed back to facility
Findings

Patients

- male 21%
- female 79%
Age

- 60-70yrs: 3%
- 71-80yrs: 0%
- 81-90yrs: 45%
- 91-100yrs: 48%
- 100+: 3%
Nutritional status

Nutrition score

- Normal
- At risk
- Malnourished
Total patients: Assessed 34, 53 Wounds

- Total number of wounds assessed: 53
- Different wound types and their counts:
  - No wound: 4
  - Stage 1: 8
  - Stage 2: 12
  - Stage 3: 2
  - Stage 4: 4
  - SDFI: 2
  - US: 8
  - Skin tear: 2
  - Leg ulcer: 2
  - Malignancy: 2
  - Burn: 2
  - Other: 2
Outcome

- Since BWG involvement facility two stage 1 PI
- Improved knowledge assessment skills
- Timely referrals
Outcome

- Improved wound management skills
- Improved nutritional support
- Cost to the facility $12,880 + implementation of pressure relieving devices
The future

- Develop a pilot project to be implemented in aged care facilities
- Seek funding to support the project
- Seek mentorship to develop the project
- Make a difference
Grant

- Develop an online education program with feedback to management
- Purchase an advance digital wound management system
- Real time data and analytics
Grant

- Streamlined assessment, treatment and documentation
- Improved patient monitoring
- Automated reporting
- Cost for devices $13,860
References


Declaration of Financial Interests or Relationships

I have no financial interest or relationship(s) to disclose

Karen Wendland