

Which are the nursing interventions required to treat burns in adult patients at the emergency department?

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Introduction

- 6 million people seek medical attention each year due to burns (1)
- Elders and people with reduced mobility and mental capacities are at higher risk (1)
- The highest percentage of burns happen between ages 15-64 (1)
- Initial interventions have a direct impact on the wound and the patient's life (1,2,3)
- The role of nurses in the treatment of burns is important (4)
- Maintaining up to date knowledge and skills is vital (5)

Objective

- Find the most appropriate interventions nurses can practice in the emergency setting to provide the best care possible to patients suffering from burn injuries.

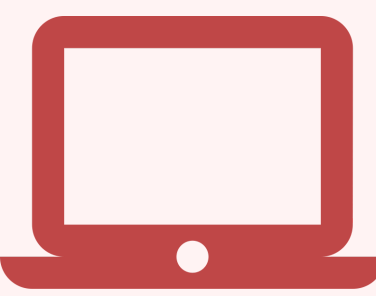
Methodology

- Question structure--> PIS

Search strategy

PIS	Terms	Key words/ Synonyms	Mesh terms
P opulation	Adult patients with burns	Burns	Burns
I ntervention	Nursing interventions	Nursing interventions / nursing care/ nursing practice/ nursing	Nursing
S ituation	Emergency department	Emergency service/ emergency nursing	Emergency service, hospital / emergency nursing

- Narrative review of the literature



- CINAHL
- PubMed



- Pediatric
- Language
- Mass casualties



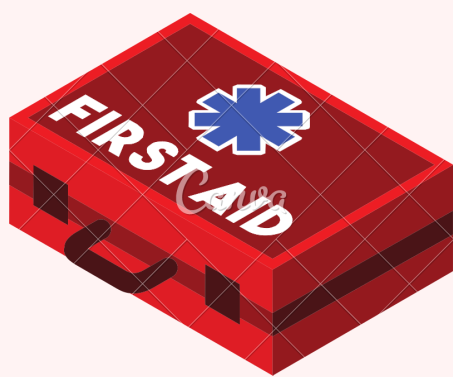
- 10 years
- Nursing interventions
- Burns treatment



• N= 13

Results

1.First aid



- Take the patient out of the dangerous space (1)
- Take off--> clothes, jewelry, other substances (1,6)
- Cool the wound (irrigation) (1, 6)
- Cover the wound to prevent infection (6)
- Be ware of thermoregulation (hypothermia) (1)

2.In-hospital care

Life threatening injuries

- Primary assessment(3)
 - ABCDEF indicators
- Secondary assessment (1, 3)
 - Assess depth and size
 - Measure urine output if IV resuscitation (7)



Non- life threatening injuries

- Avoid infection (1,2)
- Importance of dressing choice (1,2)
 - Take into consideration--> pain, skin protection, and cleanliness
- Blister debridement--> no consensus (1,8)

3. Education



- Education increases nurses confidence (9)
- Up to date knowledge is essential (5)
- Inadequate interventions have long lasting consequences (2)

ABCDEF indicators

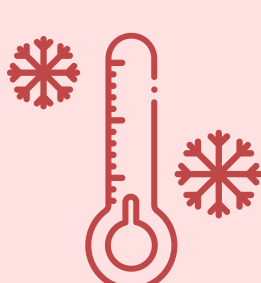
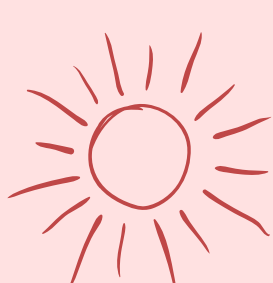


Conclusion

Implications

- Practice--> many nursing interventions described
 - First aid
 - Assessments
 - Dressings
- Research--> Blister debridement
- Teaching --> importance of nursing education programs

Bibliography



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