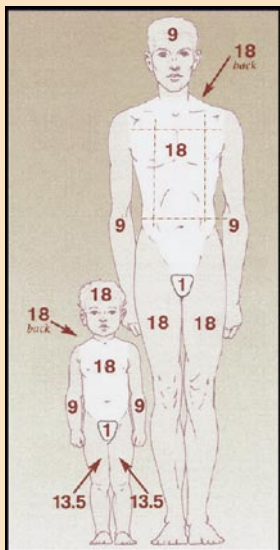


Burn Assessment & Treatment



University Health Care Burn Center

801-581-2700 • uuhsc.utah.edu/burncenter/



Patient's hand = 1%
Total Body Surface Area

- Treat the patient, not the burn
- Stop the burning process
- Give nothing by mouth

Airway—(with spinal precautions)
100% O₂, protect airway, NG/OG as needed, chest escharotomy as needed (dotted lines on chest as guidelines)

Breathing—Watch breathing effort

Circulation—Check pulses
Place at least 2 large bore IVs

Disability—Monitor GCS, AVPU

Environment—Remove all clothing
Keep patient warm

Fluids—Begin LR/NS per protocol (LR preferred)

Get vital signs—HR, RR, B/P, GCS, SaO₂, temperature

Head to toe assessment—Other injuries, Remove all objects

Inspect—Don't forget the patient's back!

Parkland Formula of Fluid Resuscitation

2-4 ml of Lactated Ringer's x % TBSA burn x kg = fluids*

- *First: 1/2 of total fluids in the first 8 hours
- Then: 1/4 of total fluids in the second 8 hours
- Then: 1/4 of total fluids in the last 8 hours

Example: The calculations for a 10kg child with 10% TBSA burn:
2-4 ml of NS/LR x 10kg x 10% burn = 24 hour fluid amount*

Criteria for Referral

The American Burn Association identifies the following as injuries requiring Burn Center referral:

- 2nd degree burns. 10% TBSA
- Burns to face, hands, feet, genitalia, perineum, major joints
- Electric injury (lightning included)
- Chemical burns
- Inhalation injuries
- Burns accompanied by pre-existing medical conditions
- Burns accompanied by trauma, where burn injury poses greatest risk of morbidity or mortality
- Burns to children in hospitals without pediatric services
- Patients with special social, emotional or rehabilitative needs

© ABLS referral criteria from the ABLS provider manual

Patient Information Report

- Name, age, gender
- Pre-burn weight
- Other injuries
- Treatment initiated
- Previous illnesses
- Allergies – Sulfa drugs
- What body areas are burned?
- Degree of burn
- Current vital signs: HR, RR, B/P, GCS, SaO₂, temperature
- Where was patient burned? (indoors, outdoors)



University Health Care

AirMed

AirMed Flight Center

581-2500 • 1-800-453-0120
uuhsc.utah.edu/airmed



Intermountain[™]
Healthcare

Life Flight Communication Center

321-1234 • 1-800-321-1911
www.intermountainlifeflight.org