

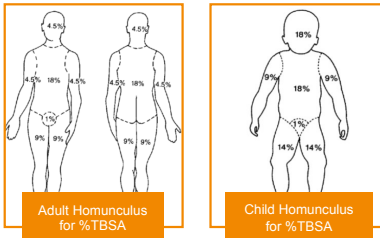


BURNS OVERVIEW

FOR HOSPITAL STAFF

ICRC

SIMPLIFIED CALCULATION OF PERCENTAGE TOTAL BODY SURFACE AREA (%TBSA)



Adult Homunculus for %TBSA

Child Homunculus for %TBSA





OR USE PATIENT'S PALM TO CALCULATE %TBSA
1 PALM (WITHOUT FINGERS) = 1%TBSA

FLUID REQUIREMENTS IN FIRST 48 HOURS

HOURS SINCE BURN	FLUID REQUIREMENTS	
0-24 HOURS	2 ml/kg x %TBSA of Ringers Lactate (1/2 in first 8 hours, 1/2 in following 16 hours)	Target Urine Output = 0.5 ml/kg/hr
24-48 HOURS	To be guided by urine output	

SPECIAL CONSIDERATIONS:

- Burns > 50%TBSA: Use 50%TBSA in calculation above
- Inhalation injury/electric burns: Have increased fluid requirements, use 3 ml/kg x %TBSA

	SUPERFICIAL	SUPERFICIAL PARTIAL THICKNESS	DEEP PARTIAL THICKNESS	FULL THICKNESS
SKIN DEPTH	Superficial epidermis	Complete epidermis, superficial (papillary) dermis	Complete epidermis, deep dermis	Complete epidermis and dermis, may extend beyond the dermis
APPEARANCE				
TREATMENT	First aid	First aid Consider clean up under anaesthesia Dressing	First aid Clean up under anaesthesia Dressing May require skin grafting	First aid Clean up under anaesthesia Debridement Split skin grafting
HEALING TIME	<5 days	5-21 days	Variable	Months-years
OUTCOME	No residual scarring	Minimal scarring	Scarring	If untreated: severe disfigurement, permanent impairment
SPECIAL COMMENTS	Superficial epidermal burns are NOT included in the assessment of % TBSA burnt.			