

The following advice are specific points related to a burn injury, use in line with standard primary assessment

PRIMARY SURVEY



Airway

- **Assess airway risk:** enclosed-space burn, oedema, sooty sputum, facial burns, or distress (dyspnoea, stridor, wheeze, hoarseness).
- **Consider intubation**
- Maintain spinal precautions for high voltage electrical burn or mechanical fall involved in incident.



Breathing

- **Assess** and support breathing.
- If **circumferential chest burn**, assess adequacy of chest expansion or ventilation and consider escharotomy.
- **Administer high flow** (15L/min) via a non-rebreather mask.
- **Maintain Sao2 >92%.**



Circulation

- **Assess** circulation: pulses, blood pressure, capillary refill and colour.
- **Insert** 2 large-bore intravenous cannula. Preferably in unburnt skin or consider intraosseous access if needed.



Disability

- **AVPU** score.
- **Assess pupils.**
- Consider carbon monoxide/cyanide poisoning.



Exposure

- **Remove all jewellery** and clothing.
- **Estimate total burn surface area.**
- **Log roll** to visualise posterior.
- **Warm patient** eg space blanket /blanket.

Perform secondary survey in line with standard trauma care and assessment


INITIAL MANAGEMENT

Fluid resuscitation	<ul style="list-style-type: none"> • Use modified parkland formula. • Insert indwelling catheter. • Strict documentation of fluid balance. • Titrate fluid resuscitation to urine output goals: Adults 0.5ml/kg/hr. 	<p>Adults modified parkland formula Formula is a guide only, titrate fluids to urine output target.</p> <p><u>Calculated from the time of injury:</u> 3ml Hartmann solution x body weight (KG) x %TBSA</p> <ul style="list-style-type: none"> • ½ given in the first 8hrs • ½ given in the following 16hrs
Analgesia	<ul style="list-style-type: none"> • Assess pain to determine analgesic requirements. • IV analgesics is preferred - Morphine 0.05-0.1 mg/kg. • Titrate to effect, smaller frequent doses preferred. • Avoid over sedation in conscious patients. 	
Wound advice	<ul style="list-style-type: none"> • Assess: depth and if burn is circumferential. • Check if first aid occurred, administer first aid if less than 3 hours from injury and clinically appropriate. Cool running water for 20 mins. • If transfer <6 hours: Cover with cling wrap longitudinally. • If transfer >8 hours: Apply paraffin gauze (jelonet/bactigras) or silver. Discuss with VABS the dressing availability at your centre. 	
Circumferential burn	<ul style="list-style-type: none"> • Elevate effected limb if possible. • Assess limb perfusion distal to burn: capillary refill, pulse, warmth and colour. • Liaise with burns registrar to discuss if escharotomy is required. 	
Other	<ul style="list-style-type: none"> • Insert nasogastric tube. • Administer tetanus immunoglobulin if required. • Minimise heat loss. • Investigative baseline ABGs and tests as required. 	

TRANSFER LIST

- ☒ Airway Secure
- ☒ O2 insitu
- ☒ IV access established and secure
- ☒ Fluid resuscitation commenced
- ☒ Patient kept warm
- ☒ Pain controlled
- ☒ NGT and IDC
- ☒ Wound covered with cling wrap or dressings
- ☒ Next of kin aware
- ☒ Handover to burn service as per ISBAR

VICTORIAN ADULT BURN SERVICE REFERRAL CRITERIA

 Call VABS Registrar on 9076 2000.	
Size	>10% TBSA > 5% Full thickness
Person	Pre existing illness Pregnancy Extremities of Age - Elderly
Area	Face/Hands/Feet/Perineum/Major Joints Circumferential (Limb or Chest) Inhalation injury
Mechanism	Chemical / Electrical Major Trauma Non-accidental injury (including suspected)