



Queensland
Trauma Education

BURNS TRAUMA

Thermal burns

Case discussion

Participant resource kit

CSDS

Clinical Skills Development Service



Queensland Trauma Education

The resources developed for Queensland Trauma Education are designed for use in any Queensland Health facility that cares for patients who have been injured as a result of trauma. Each resource can be modified by the facilitator and scaled to the learners needs as well as the environment in which the education is being delivered, from tertiary to rural and remote facilities.

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About this training resource kit

This resource kit provides healthcare workers with knowledge on how to recognise and effectively manage a patient with thermal burns to special areas.

National Safety and Quality Health Service (NSQHS) Standards



Learning objectives

By the end of this session the participant will be able to:

- demonstrate an understanding of burns size estimation
- discuss the clinical features to suggest burn depth estimation
- recognise 'special areas' in burns management and burns referral criteria
- recognise differences between hot liquids for burn management.

Overview of burns trauma

Injury following a burn can be complex, with significant variation in both the aetiology and severity requiring prompt clinical assessment and management. As with all trauma presentations, patients who have sustained a burn injury are best managed in a systematic manner with a thorough primary and secondary survey.

Additionally, a focus on the burn injury pattern, characteristics and identification of high-risk features will help ensure optimal patient management.

Knowledge of the initial management strategies for burn injury, the use of a consistent, standardised approach in determining burns severity and depth, and recognising potential complications is critical for patient survival.

Further reading

RBWH Burns Information for Practitioners	
Organisation	Metro North Health
Link	https://metronorth.health.qld.gov.au/rbwh/healthcare-services/burns/information-for-practitioners

ACI State-wide Burns Service Clinical Guidelines	
Organisation	NSW Health
Link	https://www.aci.health.nsw.gov.au/data/assets/pdf_file/0009/250020/Burn-patient-management-guidelines.pdf

The Burns Registry of Australia and New Zealand: Progressing the evidence base for burn care	
Publication	The Medical Journal of Australia
Link	https://doi.org/10.5694/mja16.00511

Thermal Burns Management	
Organisation	RACGP Australian Family Physician
Link	https://www.racgp.org.au/download/documents/AFP/2012/June/201206cleland.pdf

QAS Clinical Practice Guideline: Trauma/Burns	
Organisation	Queensland Ambulance Service
Link	https://www.ambulance.qld.gov.au/docs/clinical/cpg/CPG_Burns.pdf

Patient Fact Sheet – Burns Patient information	
Organisation	Metro North Health
Link	https://metronorth.health.qld.gov.au/rbwh/wp-content/uploads/sites/2/2017/06/burns-patient-factsheet.pdf

Acronyms and abbreviations

Term	Definition
ANZBA	Australian and New Zealand Burn Association
TBSA	total burn surface area

References

1. Australian and New Zealand Burn Association. (2020). *Initial Management of Small Burns*. <https://anzba.org.au/assets/ANZBA-Initial-Management-of-Small-Burns.pdf>
2. Australian and New Zealand Burn Association. (2020). *Burn First Aid Factsheet*. <https://anzba.org.au/assets/ANZBA-Factsheet-First-aid-1.pdf>
3. Victoria Adult Burns Service at the Alfred. (2019). *Rule of Nine for adults only*. <https://www.vicburns.org.au/wp-content/uploads/2016/06/poster3-wallace-rule-of-nine-adults-only.pdf>
4. Victoria Adult Burns Service at the Alfred. (2020). *Burn depth characteristics*. <https://www.vicburns.org.au/wp-content/uploads/2016/06/poster12-different-burn-depth-characteristic.pdf>
5. Australian Flexible Pavement Association. (2018). *Bitumen burns first aid*. <https://www.afpa.asn.au/technology-publications/bitumen-burns-cards/>
6. Australian and New Zealand Burn Association. (2019). *ANZBA referral criteria*. <https://anzba.org.au/resources/anzba-referral-criteria/>
7. Metro North Health. (2020). *RBWH Prof Stuart Pegg Burns Centre*. <https://metronorth.health.qld.gov.au/rbwh/healthcare-services/burns>

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