



Prince Sultan Military Medical City

Controlled Document, Not to be Reproduced

Departmental Policy	Dept: Intensive Care Services	Policy No: 1-2-9451-01-011 Version No: 05
Title: Admission and Discharge for Burn Intensive Care Unit (B- ICU)		JCI Code: ACC
<i>Supersedes: 1-2-9451-01-011</i> <i>Version No: 04; 30 January 2019</i>	Copy No: \	Page 1 of 4

1. INTRODUCTION

- 1.1. The Burn Intensive Care Unit (BICU) serves as a place for monitoring and care of burn patients with potentially severe physical and physiological instability requiring technical and/or artificial life support.
- 1.2. As with any other treatment, the decision to admit a patient to the Burn Intensive Care Unit should be based on the concept of potential benefit.
- 1.3. Age by itself should not be a barrier to admission to Burn Intensive Care Unit but it should be recognized that increasing age is associated with diminishing physiological reserve and increased chances of serious co-existing disease.

2. APPLICABILITY

All staffs of Intensive Care Services and Burn Unit Department.

3. RESPONSIBILITY

It is the responsibility of the Director of ICS to implement and monitor this policy.

4. POLICY

- 4.1. Intensive Care Services will assume the responsibility for the care of critically ill patient in the Burn Unit, in collaboration with the Burn Unit Department.
- 4.2. Adult patient aged 14 years and above with burn more than or equal to 30% Total Body Surface Area (TBSA) will be admitted in Burn ICU.
- 4.3. Daily follow-up of the patient by the Intensive Care Services must be done unless otherwise the patient is stable and release from the service.
- 4.4. Nursing coverage will be provided by the Intensive Care Services in case of patient that is critically ill.
- 4.5. Staff will be trained about the criteria during the departmental orientation.

5. DEFINITION OF TERMS

- 5.1. **Burn Intensive Care Unit (BICU)** is a 5 bedded area allocated in Burn Unit, 3rd floor of Building 2.



Prince Sultan Military Medical City

Controlled Document, Not to be Reproduced

Departmental Policy	Dept: Intensive Care Services	Policy No: 1-2-9451-01-011 Version No: 05
Title: Admission and Discharge for Burn Intensive Care Unit (B- ICU)		JCI Code: ACC
<i>Supersedes: 1-2-9451-01-011</i> <i>Version No: 04; 30 January 2019</i>	Copy No:	Page 2 of 4

6. **PROCEDURE**

6.1. **Admission Criteria**

- 6.1.1. Patient with burn more than or equal to 30% TBSA.
- 6.1.2. Patient requiring IV fluid resuscitation.
- 6.1.3. Hemodynamically unstable and require vasoactive medications and / or invasive monitoring and / or requiring haemodialysis.
- 6.1.4. Significant inhalation injury and / or requiring mechanical ventilation.
- 6.1.5. High-voltage electrical burns.
- 6.1.6. Chemical injuries with systemic manifestations of toxicity or the need for an antidote.
- 6.1.7. Pre-existing medical conditions such as heart failure, complex arrhythmias, severe diabetes, or renal failure complicating burn management.
- 6.1.8. Associated traumatic injuries including severe head or spinal cord injury, flail chest, major blood loss, unstable spine fractures, multiple organ injury, paralysis, and recent cardiac or respiratory arrest.

6.2. **Discharge Criteria.**

- 6.2.1. When a patients' physiologic status has stabilized and the need for ICU monitoring and care is no longer necessary. The parameters are:
 - 6.2.1.1. Heart Rate more than 50 and less than 120 beats per minute
 - 6.2.1.2. Systolic Blood Pressure more than 90 and less than 160 mmHg
 - 6.2.1.3. Oxygen Saturation (SpO₂) more than 90%
 - 6.2.1.4. Oxygen Requirement less than or equal to 40%
 - 6.2.1.5. Glasgow Coma Scale (GCS) more than 8
 - 6.2.1.6. Off Ventilator
- 6.2.2. These are the parameters for guidelines and do not replace the clinical judgement of the ICS Physician.
- 6.2.3. When a patient's neurological and physiological status has deteriorated and no active interventions are required, the discharge to a lower level of care is appropriate.

7. **REFERENCES**

- 7.1. Recommendations for Intensive Care Unit Admission and Discharge Criteria. The Task Force on Guidelines. Society of Criteria Care Medicine. Criteria Care Medicine 1998; 16(8):807-8.



Prince Sultan Military Medical City

Controlled Document, Not to be Reproduced

Departmental Policy	Dept: Intensive Care Services	Policy No: 1-2-9451-01-011 Version No: 05
Title: Admission and Discharge for Burn Intensive Care Unit (B- ICU)		JCI Code: ACC
<i>Supersedes: 1-2-9451-01-011 Version No: 04; 30 January 2019</i>	Copy No:	Page 3 of 4

- 7.2. Burn Centre Admission Criteria. 20th Annual Business Meeting of the American Burn Association, Seattle, 1988.

8. ORIGINATING DEPARTMENT

- 8.1. Department of Intensive Care Services
8.2. Department of Plastic Surgery



Prince Sultan Military Medical City

Controlled Document, Not to be Reproduced

Departmental Policy	Dept: Intensive Care Services	Policy No: 1-2-9451-01-011 Version No: 05
Title: Admission and Discharge for Burn Intensive Care Unit (B- ICU)		JCI Code: ACC
Supersedes: 1-2-9451-01-011 Version No: 04; 30 January 2019	Copy No:	Page 4 of 4

Compiled by: • Dr. Muhammad Kashif Malik Head, CQI&PS Division, Intensive Care Services	Signature: 	Date: 5.1.2021
• Dr. Jamal Madani Plastic Surgery & Burn Department	Signature: 	Date: 7.1.2021
Reviewed by: Bander Al Anazi A/Nursing Clinical Director of Intensive Care Services	Signature: 	Date: 11/1/2021
Reviewed by: Nursing Policies, Procedures and Guidelines Committee	Signature: 	Date: 13.1.2021
Reviewed by: Dr. Turki Al Mutairi Director of Nursing Services Administration	Signature: 	Date: 17/1/2021
Reviewed by: Dr. Samir Mohammed Bawazir Director, Continuous Quality Improvement & Patient Safety (CQI&PS)	Signature: 	Date: 20.1.2021
Authorized by: Dr. Fatimah Suliman Al Subhi Director, Plastic Surgery & Burn Department	Signature: 	Date: 24.1.2021
Authorized by: Brig. Gen. Dr. Adnan Al Ghamdi Director, Intensive Care Services	Signature: 	Date: 27.1.2021
Authorized by: Dr. Amr Momtaz Jad Director of Medical Administration	Signature: 	Date: 31/1/2021
Authorized by: Dr. Hisham Ayoub Executive Director for Health Affairs Chairman, Senior Medical Management Team (SMMT)	Signature: 	Date: 3.2.2021
Approved by: Maj. Gen. Dr. Saud Othman Al Shlash General Executive Director of Prince Sultan Military Medical City	Signature: 	Date: 11.2.2021
Date Reviewed 20 January 2021	Date of Next Review 10 February 2024	