



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

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

## **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 ( $SpO_2$ ) 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
<b>Title: Admission and Discharge for Burn Intensive Care Unit (B- ICU)</b>		<b>JCI Code:</b> ACC
<i>Supersedes: 1-2-9451-01-011 Version No: 04; 30 January 2019</i>	<b>Copy No:</b>	<b>Page 3 of 4</b>

7.2. Burn Centre Admission Criteria. 20<sup>th</sup> 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: 11/11/2021
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: 17/11/2021
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 Ghamsi Director, Intensive Care Services	Signature:	Date: 27.1.2021
Authorized by: Dr. Amr Momtaz Jad Director of Medical Administration	Signature:	Date: 31/11/2021
Authorized by: Dr. Hisham Ayoub Executive Director for Health Affairs Chairman, Senior Medical Management Team (SMMT)	Signature:	Date: 30.2.2021
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	