

## Role of JIPMER Proforma in Burns Management

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### Abstract

**Background:** Burns is one of the most common types of injury irrespective of age group, gender, socio-economic status. Treatment of each patient must be individualized. Initial treatment of acute injury has direct bearing over the mortality or morbidity of the patient.

**Methods:** This is a descriptive study in which seven residents involved in the treatment of burns patients were handed over burns proforma to aid in decision making and their responses were analysed.

**Keyword:** Burns; Proforma; Burns Management.

## INTRODUCTION

**B**urns is the fourth most common type of injury worldwide, following road traffic accidents, falls and interpersonal violence. Flames, scalds, and electrical burns are the top three causes of severe burns in most studies.<sup>1,2</sup> These occur in regions that generally lack the infrastructure to reduce the incidence and severity of burns. Burns is globally recognized as a challenge for burn care specialists since the impairment caused in different

organ systems will result in a deeper and more severe burn injury.<sup>3</sup> The successful treatment of burn injury involves the time of presentation, with or without inhalational injury, early recognition of the severity of burn injury, accurate assessment of the area of burn injury, the degree of burn injury, adequacy of fluid resuscitation and recognition of signs of organ failure and direct treatment accordingly.<sup>4</sup> Assessing these vital parameters is essential for tailored management of the patient and constant monitoring of such patients is crucial.

## MATERIALS AND METHODS

In this descriptive study, conducted at Jawaharlal Institute of Postgraduate Medical Education and Research (JIPMER), ten residents involved in burns care were recruited and burn proforma modified based on World Health Organization (WHO) and international society of burn injury guidelines were handed over to each patient admitted and participants were required to fill the proforma.<sup>4</sup> The study effectiveness of burns proforma was analysed. (Fig. 1)

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**Patient Details**

Name: (Married/Unmarried)

Age:

Gender:

Address:

Occupation:

Educational Status:

**Informant:**

**Chief Complaints:**

**History of Presenting Illness:**

Alleged History of (Accidental/Self Intentional) Burn Injury By

Fire Flame: Hot Liquids/Electrical (Domestic/Industrial)

Others (Mention)

Date of Injury:

Time of Injury:

Place of Injury: (Home/workplace) mention details:

Environment: Indoor/Outdoor

Person Accompanied the Patient at the Time of Burn:

Dress worn during the time of burns:

Time For Which the Patient was Burned before the Fire was put down: Fire Was Put Down by Water/ Gunny Bag/ Roll Over and by Whom: Involvement of Burns:

Burns Involving the Head and Neck/ Chest Wall /Axilla /Abdomen /Back /Upper Limb (Arm/ Forearm/ Hand) /Gluteal Region/ Perineum/ Genitals/Lower Limb(Thigh/ Lower Leg/Foot)

Associated Smoke Inhalational Injury:

Associated Trauma:

Eye/Ear/Fracture Bones/ Head Injury/Chest/ Abdomen/Spinal Cord Injury Pain Score at Time of Admission:

0 - 10 (Mention)

**Initial Treatment History:**

Delay In Transport to JIPMER:

**Last Meal Time:**

**Past History:**

Diabetes CAD CKD CLD

Hypertension CVA COPD PTB

Allergies:

Previous Similar Suicidal Incidents:

Psychiatric Illness:

Others:

**Gynaecological History:(Female)**

**Immunization history:**

**Developmental history:**

**Family History:**

Married since

**Personal History:**

Diet:

Addictive Habits:

**General examination:**

Airway:

Respiratory rate:

Blood pressure:

Pulse rate:

SPO<sub>2</sub>:

GCS:

Blood Sugar:

**Systemic Examination**

Cardiovascular system:

Heart sounds:

Peripheral pulses:

Any added sounds:

Respiratory System:

Tracheal position:

Chest expansion:

Bilateral air entry:

Central nervous system:

Bilateral pupil:

Movements of limbs:

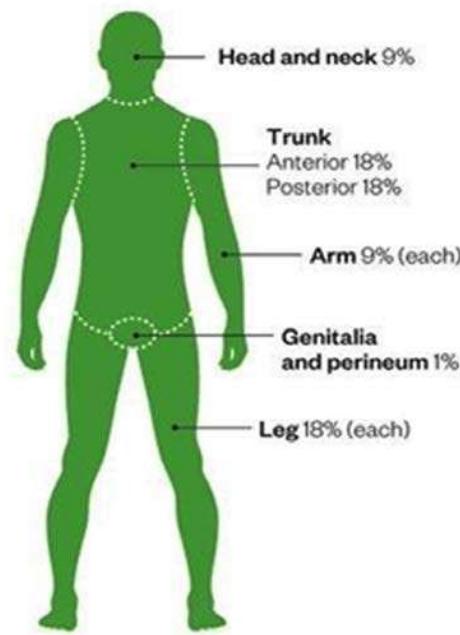
Sensation of limbs:

Spinal examination:

Head and neck:

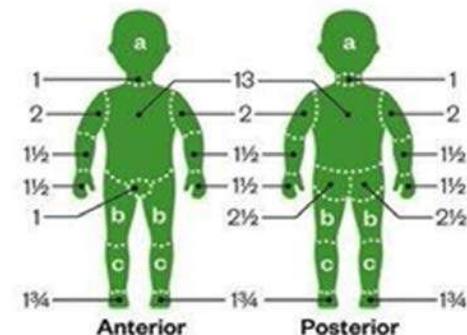
Ear

Nose

**PANEL 1****Wallace rule of nines****Lund and Browder chart**

Relative percentage of body surface area (% BSA) affected by growth

	half of head (a)	half of one thigh (b)	half of one lower leg (c)
0 yr	9½	2¾	2½
1 yr	8½	3¼	2½
5 yr	6½	4	2¾
10 yr	5½	4¼	3
15 yr	4½	4¾	3¼

**Local examination**

Eyes

Lips

Neck

*Diagnosis:***Orders**

1. Intubation
2. Central line insertion
3. Venous cut down
4. Catheterization
5. Wound Irrigation/Dressing
6. EMSOT Calls lip for any emergency procedure
7. Reserve Blood
8. TPR/BP/Input/out put Chart/SPO<sub>2</sub> chart
9. Blood sugar chart
10. Nasal O<sub>2</sub>
11. Feeds (NPO/Ryle tube/or al Feeds)
12. IV fluids
13. Analgesics
14. Antibiotics
15. Parenteral nutrition
16. Supplements

**Investigations**

1. CBC/Buse/Lft/Serology/Crossmatch-Bloodgp
2. Chestxray/ECG
3. CKMB/Urinemyoglobin/CRP
4. Blood culture/Exudateculture
5. Urineroutine/Culture
6. CT

**Consultations:**

1. Pulmonology consultation
2. CCU consultation
3. Paediatric consultation
4. ENT consultation
5. Ophthalmology consultation
6. Dietician consultation
7. PMRC Consultation

Date:

To

The MRD,

Kindly intimate police and arrange for dying declaration for the patient.

Yours Sincerely,