

# **A PLASTIC SURGERY EDUCATION: MALAYSIAN EMERGENCY BURN MANAGEMENT (MEBM) COURSE**

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## **ABSTRACT**

Burn injuries are among the most common trauma in the world. Alarmingly, our previous study discovered that 55% of the first responders that treat burns had difficulty in managing burns in the emergency setting. To improve the delivery of emergency burn care, we designed a course that provides burn-specific trauma management guidelines called the Malaysian Emergency Burns Management (MEBM) course. We aim to provide sufficient factual and clinical information to enable front medical liners to deal competently with burn emergencies. This course was written and designed by our team and received endorsements from two Malaysian medical societies. The first MEBM course was conducted from 24th till 25th April 2019, in conjunction with the 3rd International Burn & Wound Conference 2019, in Kelantan. We had a sold-out event with encouraging feedback from the participants. We have also received recognition from the Malaysian Society for Care of Trauma (MASCOT) in the form of an invitation to run the second MEBM course during their annual Malaysia Trauma Conference. The faculty of Medicine has approved the second MEBM course and the organizing work is underway. Thereon we plan to register this course as an annual event in the medical calendar year.

**Keywords:** burns, course, emergency, plastic surgery

## **1. INTRODUCTION**

Incidence of burns requiring hospitalization in Malaysia is 12 per 100000 population (1). Depending on the geographic location, pediatric burns vary from 32% to 62% of cases (1). Appropriate resuscitation is paramount in optimizing outcome. In our preliminary study, we discovered that more than half (55%) of first responders that treat burns had difficulty in calculating total body surface area (TBSA) of the burns (2). TBSA of burns is essential in formulating the fluid resuscitation formula and in determining the severity of burns. To improve the delivery of emergency burns resuscitation, we designed a 2 days intensive course called the Malaysian Emergency Burns Management Course (MEBM).

## **2. MATERIAL AND METHOD**

This course was written and designed by our team and received endorsements from two Malaysian medical societies, namely; (1) the Malaysian Society for Burn Injuries (MSBI), and (2) the Malaysian Society of Plastic and Reconstructive Surgeon (MSPRS). The first MEBM course was conducted in collaboration

with the Unit Sains Rekonstruktif, Hospital Universiti Sains Malaysia (HUSM). It was held from 24th till 25th April 2019, in conjunction with the 3rd International Burn & Wound Conference 2019, Kota Bharu, Kelantan.

### **3. RESULTS**

We had a sold-out event with encouraging feedback from the participants. We have also received recognition from the Malaysian Society for Care of Trauma (MASCOT) in the form of an invitation to run the second MEBM course during their annual Malaysia Trauma Conference.

### **4. CONCLUSIONS**

The faculty of Medicine has approved the second MEBM course and the organizing work is currently underway. Therefore, we envision running this course annually. Although the commercialization aspect is important, our main priority is to be able to educate and share our expertise in managing burn injuries to all relevant medical personnel, and ultimately to provide the optimum care for all patients with burn injuries.

### **REFERENCES**

1. Total Burn Care. Editor: David Herndon. 4th Edition (2009). Elsevier Publication. Data Course: Dr. Shah Jumaat Mohd. Yussof
2. WH Yap, MY Shah Jumaat, S Ibrahim et al. (2013) Total Burn Surface Area Estimation amongst primary healthcare personnel. Proceedings of the Malaysian Society of Plastic and Reconstructive Surgeons ASM. 2013, Awana Resort, Port Dicks



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