

## COMPLEX MULTIDISCIPLINARY REHABILITATION IN A CASE OF SEVERE BURNS DUE TO ELECTRICAL TRAUMA

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### Abstract

**Introduction.** Rehabilitation is an essential component in the management of patients with burns and should be commenced on the day of injury is sustained. In other words, edema control, wounds healing, respiratory care, positioning, functional movements which are pertinent in burn cases must begin without delay. The process of rehabilitation requires efforts from a multidisciplinary team of health professionals who specialize in burn care.

**Materials and methods.** Having the patient's consent and The Teaching Emergency Hospital "Bagdasar-Arseni" Ethics Committee, the current paper presents the case of a 48-year-old female who suffered 55% total body surface area burns due to electrical trauma. The burns were treated in a Hospital in Germany and then she was admitted in the Plastic Surgery Clinic Division of Emergency Hospital "Bagdasar-Arseni" to continue the treatment. After the skin grafting procedure in several parts of lower limbs, the patient followed a rehabilitation program in our Neuro-rehabilitation Clinic Division associating severe alteration in self-care abilities and sever locomotor dysfunction.

**Results and discussion.** The rehabilitation program improved slowly the patient's muscle strength, determined locomotor improvements with an increase in patient's quality of life.

**Conclusions.** Treatment goals and strategies vary, depending on the patient's injury, stage of treatment, age, and comorbidities. Management of a patient with a severe burn injury is a long-term process that addresses the local burn wound as well as the systemic, psychologic, and social consequences of the injury. It is necessary the existence of the multidisciplinary team to ensure optimal outcomes.

**Keywords:** *complex rehabilitation, post-traumatic burns, multidisciplinary team*