

JOINT EVENT

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Carbamazepine-induced toxic epidermal necrolysis treated with intravenous immunoglobulin and amniotic membrane: A case report

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Statement of the Problem: Toxic epidermal necrolysis (TEN) is a distinct clinical entity within a spectrum of adverse cutaneous drug reactions. The common causative drugs are anticonvulsants, non-steroidal anti-inflammatory drugs, sulfonamides and other antibiotics. Carbamazepine is an important antiepileptic drug used to treat bipolar disorder, seizures and nerve pain such as trigeminal neuralgia and diabetic neuropathy, which is considered to be one cause of TEN..

Case report: We describe TEN in a 7-year-old Iranian girl with no mucosal involvement treated as an emergency burns case with intravenous Immunoglobulin and amniotic membrane. At the end of the treatment period, there were no scars and good cosmetic results achieved.

Conclusion: We conclude that early diagnosis, supportive care and careful monitoring for complications comprise crucial management in TEN. Moreover, using an effective co-adjuvant treatment (amniotic membrane and intravenous immunoglobulin), will improve the skin lesions of TEN totally without scars.

Drugs that most commonly cause SJS/TEN	
Antibiotics	Cotrimoxazole/ Sulfonamides, e.g./ Penicillins Beta-lactams i.e./ Cephalosporins
Antifungals	Itraconazole antifungals
Antivirals	Acyclovir (non-nucleoside reverse-transcriptase inhibitor)
Allopurinol	
Non-steroidal anti-inflammatory drugs (NSAIDs of the Oxicam type)	Naproxen / Etoprofen
Anti Convulsants	Carbamazepine/ Phenytoin/ Phenobarbital/ Valproic acid/ Lamotrigine



Biography

Roghayeh Aghebati, nursing expert and Master of Science in health education and health promotion from Guilan University of Medical Science. I have a 13-years working experience in nursing and I am interested in reasearch projects about nursing, desease training and prevention . now I am working as nursing instructor to students in the Burn research center in the north of Iran. I have participated in more than 10 national and international scientific conferences either as participant, poster or lecture presenter. Also, I am interested in cooperation with research centers and follow my education in PhD level in health training and policy-making.

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