

ALLOPURINOL-INDUCED SEVERE CUTANEOUS ADVERSE DRUG REACTIONS: AN ANALYSIS OF SPONTANEOUS REPORTING SYSTEM IN SOUTHERN ITALY

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Introduction: Allopurinol can induce the occurrence of severe cutaneous adverse reactions (SCARs), including Drug Reaction with Eosinophilia and Systemic Symptoms (DRESS) syndrome, Stevens-Johnson syndrome (SJS) and toxic epidermal necrolysis (TEN).

Material and methods: We analyzed the Individual Case Safety Reports (ICSRs) sent from January 2001 until April 2019 to the Campania regional Center of Pharmacovigilance (South of Italy) that reported allopurinol as suspected and at least one SCARs.

Results: The Campania regional Center of Pharmacovigilance received 56 ICSR related to the occurrence of SCARs (37 reported cases of DRESS syndrome, SJS and TEN). SCARs occurred more commonly in female patients, they frequently induced patients' hospitalization and had an unfavorable outcome. Among these cases, patients were frequently receiving concomitant medications.

Discussion and conclusion: The continuous monitoring of the safety profile of allopurinol in real life settings and the management of pharmacovigilance studies represent essential tools for the identification of specific safety signals.