



## Nephrotoxicity of *Rubia Tinctorium*

S. EZZAKI

*Nephrology-dialysis transplant, CHU Ibn Rushd, Casablanca, Morocco.*

**ABSTRACT:** *Rubia tinctorum* called in Morocco ELFOUA is a plant perennial of the family [RUBIACEAE](#), used in Morocco for millennia as aperitif plant to grow, and in cases of anemia, to increase blood volume and improve skin tone or to facilitate childbirth in women. However, *Rubia tinctorum* is very rich in anthraquinone derivatives which can have a toxic effect especially on the kidney.

### Patients and methods:

We report 3 cases of patients who presented acute renal failure following taking *Rubia tinctorum*,

### Results:

Case 1: HE aged 15, without specific medical history, admitted to a glomerular syndrome due to kidney failure at 66 mg / L of plasma creatinine and 24-hour proteinuria at 1 g / 24 hours and aseptic leukocyturia occurred after taking *Rubia tinctorum* for ten days.

2nd case LN aged 39, without pathological antecedent, hospitalized at the nephrology department for glomerular syndrome is a 24h urine protein 2 g / 24 with severe acute kidney failure at 90 mg / L of plasma creatinine and aseptic leukocyturia without hematuria or hypertension in a context of uncontrollable vomiting after taking *Rubia tinctorum*

3rd case: Mrs. AH 47 years old, hospitalized in nephrology for acute renal failure at 73 mg / L of plasma creatinine discovered incidentally during a CPA balance for cholecystectomy with notion of taking *Rubia tinctorum* a



Achour S, Jalal G, Rhalem N, Soulaymani R. Intoxication par l'huile de Cade. Centre Anti Poison et de Pharmacovigilance du Maroc. *Pharmacovigilance du Maroc*.2014.

Bellakhdar J. La pharmacopéemarocainetraditionnelle. *Médecinearabeancienne et savoirs populaires*, Paris-Rabat.1998;320:465-466.

Hashimoto T, Iida H, Dohi S. Marked increases of aminotransferase levels after cresol ingestion. *Am J Emerg Med*.1998;16(7):667-8.

**Biography:** S. EZZAKI from Department of Nephrology, Hemodialysis and Kidney Transplantation CHU Ibn Rushd, Casablanca, Morocco

[17th Asia Pacific Nephrology Conference](#)

**Abstract Citation:** [S. EZZAKI, Nephrotoxicity of \*Rubia Tinctorium\*, 17th Asia Pacific Nephrology Conference September 14, 15 2020.](#)