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Ethnopharmacological survey of medicinal plant used for the treatment of liver damage, nephrolithiasis and cardiovascular disease in the south region of Morocco, Marrakech

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This study was carried out to identify the widely used medicinal plant in folk medicine for treating liver damage, nephrolithiasis and cardiovascular disease by the population of Marrakech province, in South of Morocco. This investigation was undertaken during more than 4 months started in 2015. Data were collected from (54%) housewife, (63%) traditional healers using ethnobotanical questionnaire. A total of 67% reported that *Rubia tinctorum* L. is the only plant used for the treatment and management of the above-mentioned diseases. Data collected was separated in two parts. The first part concerned interviewee information's (age, sex, and level of education) and the second part was designed for plant uses (vernacular names, uses, parts used, and mode of preparation). Use value (UV), fidelity level and family UV (FUV) were calculated. The dried root (57%) of *Rubia tinctorum* L. was prepared in the form of raw condition (78%). Oral administration of the plant was most (90%) common route of administration. Finally (96%) were reported that the plant has no side effects. The results of the study show that *Rubia tinctorum* L. is used for the treatment and management of both common and specialized human diseases. Further studies are needed to better understand the underlying mechanism behind its therapeutic actions.

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