

Title (en)
A METHOD FOR EVALUATING NEPHROTOXICITY.

Title (de)
BEWERTUNGSVERFAHREN FÜR NEPHROTOXIZITÄT.

Title (fr)
PROCEDE D'EVALUATION DE LA NEPHROTOXICITE.

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EP 0296171 A4 19891107 (EN)

Application
EP 87901966 A 19870303

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US 83528386 A 19860303

Abstract (en)
[origin: WO8705396A1] A method for evaluating cyclosporine-related nephrotoxicity in a patient receiving cyclosporine therapy. The method comprises measuring urine kallikrein content utilizing radioimmunoassay specific for human urine kallikrein. The value obtained is compared then to a pre-treatment value of urine kallikrein levels. Also disclosed is a means for predicting susceptibility to cyclosporine-related nephrotoxicity. Potential cyclosporine therapy patients are evaluated according to their baseline (pre-treatment) urinary kallikrein levels. Low initial levels of urine kallikrein are predictive of susceptibility to cyclosporine-related nephrotoxicity. Also disclosed is a method for monitoring cyclosporine-related nephrotoxicity during the course of cyclosporine treatment. Decreased urinary kallikrein indicates that cyclosporine administration should be decreased or terminated. Increased urinary kallikrein indicates that cyclosporine administration may be increased or maintained. Stable urinary kallikrein indicates that cyclosporine administration may be maintained. Monitoring kallikrein according to the present invention provides an early and sensitive means of predicting cyclosporine-related nephrotoxicity during cyclosporine treatment. Episodic decreases in urinary kallikrein precede increases in serum creatinine by one to four months.

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• [XP] CLINICAL RESEARCH, vol. 34, no. 2, 1986, page 730A, US; J. SPRAGG et al.: "Urinary kallikrein excretion: an index of the nephrotoxic response to cyclosporine in rheumatoid arthritis"
• See references of WO 8705396A1

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