



US006066091A

United States Patent [19]

[11] Patent Number: 6,066,091

Riviere et al.

[45] Date of Patent: May 23, 2000

[54] METHODS, SYSTEMS AND PRODUCTS FOR DETERMINING DRUG WITHDRAWAL INTERVALS

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[21] Appl. No.: 09/027,670

[22] Filed: Feb. 23, 1998

[51] Int. Cl.<sup>7</sup> ..... A61N 5/00

[52] U.S. Cl. .... 600/300; 128/920; 128/898

[58] Field of Search ..... 600/300, 301; 128/920

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[57] ABSTRACT

A first aspect of the invention is a method of estimating a withdrawal interval for an adjusted dose of a compound from a prior withdrawal time for a corresponding prior dose of that compound, corresponding half-life data and a tolerance concentration, for a tissue of interest. The method comprises selecting an adjusted dose for the compound for which a withdrawal interval is to be determined, and extrapolating a withdrawal interval from (a) the prior dose, (b) the prior withdrawal time, (c) the half-life data, and (d) the tolerance concentration. The process is useful for determining a withdrawal interval for an extralabel (i.e., non-approved) use of a drug in the same or a different jurisdiction for which a previous use has been approved, and can be used to determine an appropriate withdrawal interval for a drug in food products exported from one jurisdiction to another. Data processing systems and computer program products for carrying out the foregoing are also disclosed.

34 Claims, 11 Drawing Sheets

EXTRAPOLATED WITHDRAWAL-INTERVAL ESTIMATOR ( EWE )

