

Title (en)
METHOD FOR DETECTING JOINT DISEASES

Title (de)
VERFAHREN FÜR DEN NACHWEIS VON GELENKERKRANKUNGEN

Title (fr)
PROCÉDÉ DE DÉTECTION DES MALADIES ARTICULAIRES

Publication
EP 3548887 A1 20191009 (FR)

Application
EP 17811481 A 20171122

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• FR 1661956 A 20161205
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Abstract (en)
[origin: CA3084561A1] The present invention concerns an in vitro method for diagnosing a joint disease in a mammal and/or determining the type of joint disease and/or determining the stage of said disease and/or predicting the course of said disease, comprising the following steps: a) depositing a drop of a synovial fluid sample from the mammal on a support plane made of an inorganic material, such as glass; b) drying the drop that was deposited in step a); c) measuring at least one parameter indicating morphological characteristics of the drop dried in step b), by which a value for said parameter is obtained, and d) comparing each value measured in step c) with a reference value that is representative of a reference synovial fluid. Said parameter is chosen from among (i) the maximum height (H) of the bead formed on the surface of the drop, (ii) the surface area (S) of the drop and (iii) the surface profile (Z) of the drop. The value of the surface area (S) is representative of the concentration of hyaluronic acid present in a synovial fluid and the maximum height value (H) is representative of the concentration of proteins present in a synovial fluid.

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