

Title (en)

METHOD FOR THERAPY CONTROL ON THE BASIS OF A REAL-TIME MEASUREMENT OF BILIRUBIN IN VITAL TISSUE

Title (de)

VERFAHREN ZUR STEUERUNG EINER THERAPIE AUF GRUNDLAGE EINER ECHTZEITMESSUNG VON BILIRUBIN IN VITALEM GEWEBE

Title (fr)

PROCÉDÉ DE COMMANDE D'UNE THÉRAPIE SUR LA BASE D'UNE MESURE EN TEMPS RÉEL DE BILIRUBINE DANS DES TISSUS VIVANTS

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Application

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Abstract (en)

[origin: WO2018095573A2] The invention relates to a method for therapy control based on transcutaneous real-time detection of the bilirubin content in the blood. In an illumination step, light is irradiated onto a section of vital tissue and at least one portion of the light exiting from this tissue section is detected, with recordings of intensity and wavelength being evaluated using an evaluation procedure, and, in this evaluation procedure, the concentration of bilirubin is determined using a system of equations defined with concentrations of Hb and skin tissue, those concentrations of Hb and skin tissue being determined from absorption values at the wavelengths of isosbestic points of haemoglobin. The therapy is controlled in accordance with the concentration of bilirubin determined in this manner.

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