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Declarations under Rule 4.17:
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(54) Title: SYSTEM AND METHOD FOR DETERMINING A RISK OF HAVING OR DEVELOPING STEATOHEPATITIS AND/OR A COMPLICATION THEREOF

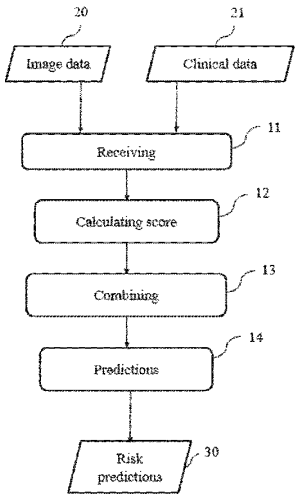


FIG. 2

(57) Abstract: The present invention relates to a computer-implemented method for determining a risk of having or developing steatohepatitis and/or a complication thereof in a subject, said method comprising the steps of: receiving (11) at least one image of the subject (20) and at least one clinical and/or biological data (21), both previously obtained from the subject; calculating a score of fat infiltration heterogeneity on the at least one image (12) based on at least one radiomic feature obtained for a region of interest (ROI) comprising at least one skeletal muscle; combining the calculated score of fat infiltration heterogeneity with the at least one clinical and/or biological data previously obtained from the subject (13); determining (14) a risk (30) for the subject of having or developing steatohepatitis and/or a complication thereof based on the combination of the calculated score of fat infiltration heterogeneity with the at least one clinical and/or biological data (21).

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