

METHOD AND APPARATUS FOR PREDICTING AND DIAGNOSING RISK BY CARDIOVASCULAR DISEASE TYPE

【Abstract】

A device for predicting and diagnosing risk by cardiovascular disease type according to an embodiment comprises at least one processor, wherein the at least one processor predicts risk by cardiovascular disease type using a diagnostic model. The diagnostic model includes a first model that analyzes an inputted fundus image to predict cardiovascular risk; and a second model that receives a cardiovascular risk score predicted by the first model and disease type-specific factors to predict risk by cardiovascular disease type. Wherein the at least one processor is characterized by providing diagnostic information based on the cardiovascular risk predicted by the first model and the risk by cardiovascular disease type predicted by the second model.

Fig 9.