

System for clinical research and clinical management of cardiovascular risk using ambulatory blood pressure monitoring and actigraphy

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Description

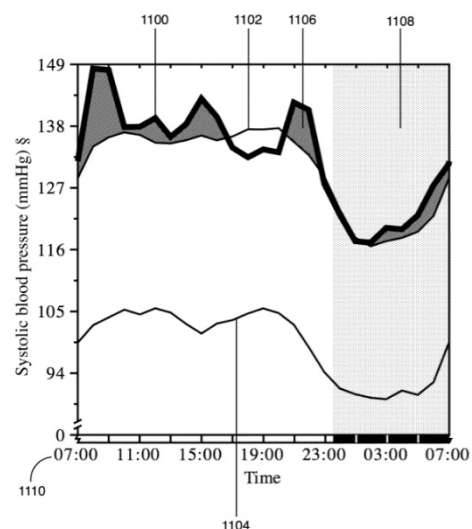
A web-enabled system especially adapted for clinical research and clinical management of cardiovascular risk using ambulatory blood pressure monitoring (ABPM), actigraphy, and clinical data. According to a disclosed embodiment the web-enabled system comprises: (a) a web-enabled graphical user interface enabling to securely authenticate, securely upload clinical data, and navigate through a plurality of software modules; (b) a protected database to store user profiles, protocols, clinical data, ABPM recordings, actigraphy profiles, and study results; and (c) a plurality of statistical methods and analysis techniques especially designed to automatically analyze all the recorded information and to create customized clinical reports of the findings designed to assess cardiovascular risk on an individualized basis as a function of ABPM, actigraphy, and clinical and laboratory data.

Innovative aspects and advantages

- Web-enabled system adapted for on-line management of clinical data.
- Individualized cardiovascular risk report.
- Evaluation of changes of cardiovascular risk using periodic ABPM evaluation.

Commercial applications and potential users

- Biotechnological companies could use the system adapted for their hardware.
- Health or insurance companies could use the system for evaluation of cardiovascular risk in their patients.



Patent status

Approved by USPTO; Patent No. 8428965.

Type of collaboration

We look for a company to complete commercial development of portable device under collaboration agreement and the licence of the patent.