



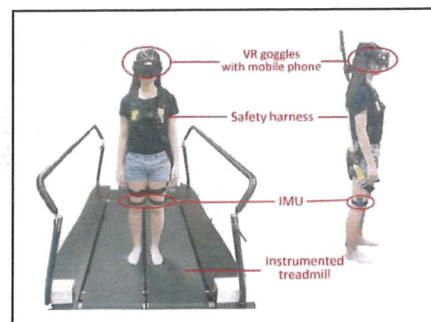
Title of Invention

(Below is limited to 1-page only; be careful not to disclose vital technology content. Please delete these words when the document is finished)

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Market Needs:

Falls prevention and treatment are important topics of rehabilitation medicine, and also for the urgent need to achieve clinical treatment goals. However, there is no commercially available medical equipment can be used as a safe fall training device. Clinical staff can only indirectly to train patients to improve their balance ability, and the patients still cannot react the real life balance treat. Therefore, if this invention is commercialized, it will become a popular anti-fall training device so that the clinical staff can properly guide the patient to minimize the possible harm when the falls are about to occur.

Our Technology:

The present invention provides an inducing a body imbalance system capable of inducing a subject between a virtual space and a real space that does not exhibit a near-real body unbalanced posture, the system comprising an obstruction unit, a virtual reality display unit, and processing unit. The obstruction unit is adapted to change the physical posture of the subject in a real space, allowing the subject to be transformed from a body-balanced posture to the unbalanced posture of the body. The virtual reality display unit forms the virtual space. The detection unit detects the physical posture of the subject to output the detection data, and the virtual reality display unit selectively displays the images based on the detection data. The processing unit executes a calculation program to confirm that the body posture belongs to the body balance gesture, the body is unbalanced or has touched the obstacle unit.

Strength: Easy to obtained, high clinical useful, the price competitive.

Competing Products:

CAREN SYSTEM, Motekforce Link, Netherlands.

These products are expensive and mainly for research purpose not clinical useful.

Intellectual Properties:

Patent No. of Taiwan: M532574

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