

GRASP

“Saving time, saving lives, saving money”.

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There is a well-documented need for portable and pervasive devices that provide early detection, monitoring and recording of a patient’s physical vital signs outside of the normal clinical setting.

Disposable, multi-function, wearable vital sign monitoring patches are now extensively used to report heart rate, blood pressure, temperature, respiration rate, sleep patterns, falls and much more.



Now, the pain and discomfort associated with many differing types of mechanical musculoskeletal problems can be self-recorded by the patient at the time of the event, in the context and sequence in which they occur and in a non-verbal way using our new CE marked Grasp device and software.

The size of a small pebble, Grasp is soft and easily compressible, contains miniaturized sensors, time recording circuits, memory and long-life rechargeable batteries and is low-power Bluetooth enabled.

When squeezed, Grasp records, with a date and time stamp, the strength, frequency, and duration of the squeeze enabling the user to easily and instantly record all physical pain events.

During a light pain attack the user can squeeze gently for as long as the event lasts, if the attack becomes worse, the user can modulate the squeeze to reflect their own perception of the severity of the attack. These events are then stored securely on the device and can be uploaded and viewed by the patient, their carer or monitored remotely by the patients therapist.



The design of the Grasp device enables it to serve both as a real-time event recording device and as an interactive transitional object. Just squeezing

Grasp can produce a beneficial therapeutic effect



Grasp can be used to get a clearer and more holistic picture of the actual health of the patient by combining real-time empirical data with real-time anecdotal data.

By making trend data available multiple events can be viewed over time bringing much-needed context to understanding whole-patient, chronomedical data over time.