A POCKETSIZED SMART PHONE ACCESSORY MEDICAL AUTO-INJECTOR

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Invention Description:
This sophisticated and forward-looking innovation discreetly pairs a portable unit for storing and administering life-saving injectable medications with the omnipresent electronic devices of modern daily life, such as cellphones. The invention sequesters a prefilled medication and syringe cartridge in an unnoticeable compartment coupled to the handheld device. A number of safety features are incorporated to prevent inadvertent unsheathing and movement of the assembly. In an emergency, the medication can be rapidly administered through a sterile, retractable injector.

Competitive Advantages:
The handheld and auto-injector pairing offers greater peace-of-mind that important injectable medications will always be available and accessible since portable electronic devices, particularly cellphones, have become ubiquitous, with close to 5 billion units in use worldwide. In the US alone, 83% of adults and more than 75% of 12 to 17 year olds own and actively use cellphones or other handheld devices. The market is ripe for this stylishly practical new take on the medication auto-injector.

For severe allergy sufferers, the epipen is the current standard auto-injector, prone to being misplaced or forgotten. Various epipen carrying cases are marketed but are also easily mislaid. A credit card-sized device for storing and injecting epinephrine has received tentative FDA approval but it is not as easily accessed as the current invention, which provides convenience and handy direct connection to a communication device for follow-up assistance. Users would welcome this cleverly disguised auto-injector alternative that can be carried inconspicuously.

Intellectual Property: A patent application is pending.

Business Opportunity: The technology is available for exclusive licensing

Follow-up:
For additional information, please contact Michael Caggiano at 1-215-955-6862 or at Michael.caggiano@jefferson.edu in the Office of Technology Transfer and Business Development (OTT) at Thomas Jefferson University, citing Jefferson docket number PRI_EDM.005.