Needle Closure Structure for Injection Syringe

Abstract:

The present invention provides a needle closure structure for injection syringe, comprising a sleeve portion, a retractable cap for needle closure, and a holding portion. Firstly, the retractable cap for needle closure is inserted into the sleeve portion, with the pins provided on the retractable cap for needle closure and located near the conical seat extending outwards through the straight slits on the opposite of the sleeve portion. Then the holding portion is put on, with the pins of the retractable cap for needle closure being nested in the threaded recess of the internal aperture of the holding portion. Next, the sleeve portion is overlapped onto and clamped tightly on the conical needle seat on the front end of the injection syringe. Then a user may grasp the injection syringe by his hand and hold the holding portion by his fingers, and rotate the injection syringe to the left or right side, to cause the pins on the retractable cap for needle closure nested in the sleeve portion to retract or extend under the directing of the inner threaded recess of the holding portion, without having the risk of being pierced by the needle tip when covering the needle closure as could met in the needle closure structure of the prior art.

FIG. 1 accompanies the abstract.