

ABSTRACT

INTRAVENOUS INFUSION NEEDLE WITH MANUAL NEEDLE RETRACTION

A manually-retractable intravenous infusion needle assembly, including a needle holder, a needle tube, a built-in slidable sheath and a protective casing, where the needle holder includes a tubular portion and a tailstock portion; a rear end of the needle tube is mounted inside the tubular portion; the built-in slidable sheath is through and elongated and has a C-shaped cross-section; the tubular portion is mounted inside the built-in slidable sheath and can slide back and forth; the protective casing is a long, through and hollow casing; the built-in slidable sheath is mounted inside the protective casing and can slide back and forth. A locking structure is provided between the needle holder and the protective casing. When the needle holder is unlocked from the protective casing, the needle holder can be pulled backward to allow the tubular portion to move to a locking position of the built-in slidable sheath to be locked. When the needle holder is continuously pulled backward, the built-in slidable sheath is driven by the needle holder to move to a locking position of the protective casing to be locked, at this time, the needle tube is completely covered by the protective casing. This application can avoid stab injury and cross-infection and reduce the damage of the needle tube to the inner wall of a patient's blood vessel. Moreover, this application also has the advantages of product miniaturization, convenient operation and simple production process.

(FIG. 1)