CLAIMS

1. A reuse prevention safety catheter, the catheter comprising:

a catheter hub having an external needle disposed therein;

a cannula plug having an internal needle inserted and penetrated into the catheter hub disposed therein to introduce the external needle into a blood vessel and be separated from the catheter hub; and

a locking guide unit having a through-hole configured to allow the internal needle to pass through,

wherein the through-hole is deformed when the internal needle is withdrawn, such that re-penetration of the internal needle is blocked,

wherein the locking guide unit comprises a first locking guide and a second locking guide, each of the first locking guide and the second locking guide is provided in a shape where the center of gravity is eccentric, thereby when the internal needle is withdrawn from the through-hole, an inclination in the first locking guide and the second locking guide is generated within an angular range of greater than 0° and less than 90° by gravity, such that a position of the through-hole is changed.

2. The catheter of claim 1, further comprising:

a slide casing configured to be extended from the cannula plug to cover the internal needle,

wherein the locking guide unit is disposed at a front end part of the slide casing.

3. The catheter of claim 2, wherein the slide casing comprises a holder configured to be hooked by a finger to enable a user to separate the cannula plug from the catheter hub, wherein the locking guide unit is disposed in the holder.

4. The catheter of claim 1, further comprising:

a blood blocking unit disposed in the catheter hub to block backflow of blood.

5. The catheter of claim 1, wherein the locking guide unit is an injection-molded part independent of the cannula plug and maintains a locked state thereof in the cannula plug by the internal needle, wherein when a locking force is removed as the internal needle is withdrawn, an inclination is generated in the locking guide unit, such that a position of the through-hole is changed.

6. The catheter of claim 1, wherein the first locking guide comes into contact with the second locking guide, so a

path of the through-hole through which the internal needle passes is formed in a longitudinal direction and displacements of the first locking guide and the second locking guide are fixed by the internal needle.

7. The catheter of claim 6, wherein the locking guide unit has a structural shape where an inclination is generated within an angular range of greater than 0° and less than 90° by gravity,

wherein the locking force of the first locking guide and the second locking guide is removed when the internal needle is withdrawn, such that the inclination is generated in the first locking unit and the second locking unit, respectively, and the longitudinal hollow path formed by the through-hole of the locking guide unit is collapsed by misalignment of the first locking unit and the second locking unit.

8. The catheter of claim 1, further comprising:

a spring providing elastic force pushing the cannula plug from the catheter hub,

wherein the spring pushes the cannula plug from the catheter hub to completely extend the internal needle from the locking guide unit.