

CLAIMS

1. An assembled intravenous catheter device, comprising:

a catheter adapter having a proximal end, a distal end, and a lumen interposed therebetween, the catheter adapter further comprising a securement platform, the distal end comprising an intravenous catheter and the proximal end comprising an extension tube, the intravenous catheter and extension tube being in fluid communication with the lumen;

a needle hub having a closed end, an open end, and a compartment interposed therebetween, the closed end being configured to receive a terminal end of the extension tube and the open end configured to receive the proximal end of the catheter adapter, wherein the extension tube is stored within the compartment; and

an introducer needle having a base end, a tip end and a body extending therebetween, the base end being securely attached to the closed end of the needle hub, and the body extending through the proximal end, the lumen, the distal end, and the intravenous catheter such that the tip end of the introducer needle is exposed beyond a terminal end of the intravenous catheter,

wherein the extension tube is wound around the body of the introducer needle within the compartment.

2. The device of claim 1, wherein a proximal end of the extension tube further comprises a blood control valve.

3. The device of claim 2, wherein the blood control valve further comprises a passageway through which the body of the introducer needle passes.

4. The device of claim 1, further comprising a cannula, wherein the cannula is located within the lumen of the catheter adapter, wherein the cannula has an inner diameter configured to receive the outer diameter of the introducer needle.