

CLAIMS

1. A catheter assembly, comprising:

a catheter adapter comprising a distal end, a proximal end, and an inner surface forming a lumen, wherein the lumen extends between the proximal end and the distal end;

a cannula hub, wherein the cannula hub is configured to slide with respect to the catheter adapter from a distal, unlocked position to a proximal, locked position;

a cannula comprising a distal tip and a notch, wherein the cannula extends distally from the cannula hub; a funnel-shaped wedge configured to couple a catheter tube to the catheter adapter, wherein the wedge is disposed in a distal portion of the lumen; and

a septum disposed within the lumen, wherein when the cannula hub is in the locked position, the distal tip of the cannula is disposed within the wedge and the notch is disposed within the septum, thereby preventing fluid from leaking out of the notch into the lumen..

2. The catheter assembly of claim 1, wherein the septum is disposed proximate to the wedge.

3. The catheter assembly of claim 1, further comprising a winged element coupled with the catheter adapter and comprising one or more wings, wherein when the cannula hub is in the unlocked position, a distal end of the cannula hub is disposed proximate the winged element.

4. The catheter assembly of claim 1, wherein the cannula hub comprises an inner portion disposed within the lumen, wherein the inner portion comprises a first interlock portion and the inner surface of the catheter adapter comprises a second interlock portion, wherein the first interlock portion and the second interlock portion are configured to interlock when the cannula hub is in the locked position to prevent movement of the cannula hub with respect to the catheter adapter.

5. The catheter assembly of claim 1, wherein the cannula hub comprises a generally cylindrical outer portion disposed outside of the catheter adapter and configured to slide proximally along an outer surface of the catheter adapter until the cannula hub reaches the locked position.
6. The catheter assembly of claim 1, wherein the wedge is constructed of metal.
7. The catheter assembly of claim 6, wherein the outer portion comprises a grip configured to be gripped by a user.
8. The catheter assembly of claim 1, wherein the cannula further comprises an elongated tubular shaft and an inner lumen formed by the tubular shaft, wherein the tubular shaft comprises the notch
9. The catheter assembly of claim 1, wherein the funnel-shaped wedge is frictionally wedged into the distal portion of the lumen of the catheter adapter.
10. The catheter assembly of claim 1, wherein the septum is disposed proximate and proximal to the funnel-shaped wedge.