

CLAIMS

1. An instrument delivery device to couple to a vascular access device, the instrument delivery device comprising:
a housing, comprising:
a distal connector;
a proximal connector; and
a lumen extending through the distal connector and the proximal connector;

an vascular access instrument, comprising a distal end and a proximal end, wherein the vascular access instrument is disposed within the lumen of the housing in a compact position, wherein the vascular access instrument is configured to move from the compact position to an outstretched position and advance through the distal connector.
2. The instrument delivery device of claim 1, further comprising another housing coupled to the distal connector, wherein the other housing comprises another distal connector, another proximal connector, and another lumen extending through the other distal connector and the other proximal connector, further comprising a one-way valve disposed within the other lumen.
3. The instrument delivery device of claim 1, wherein the vascular access instrument comprises a wire.
4. The instrument delivery device of claim 3, wherein the wire is coiled.
5. The instrument delivery device of claim 1, wherein the vascular access instrument comprises a tube.
6. The instrument delivery device of claim 1, wherein the distal connector comprises a cannula or a male luer connector.

7. The instrument delivery device of claim 1, wherein the proximal connector comprises a female luer connector.
8. The instrument delivery device of claim 1, wherein the proximal end of the vascular access instrument comprises a stop, wherein an outer diameter of the stop is greater than a diameter of the lumen to prevent the proximal end of the vascular access instrument from moving through the distal connector.
9. The instrument delivery device of claim 8, wherein the stop is spherical.
10. The instrument delivery device of claim 8, wherein the stop is wedge-shaped.
11. The instrument delivery device of claim 8, wherein the stop comprises a fluid pathway extending through the stop.
12. The instrument delivery device of claim 8, wherein the stop is configured to prevent fluid from flowing through the stop.
13. A method, comprising:

inserting a catheter assembly into vasculature of a patient, wherein the catheter assembly comprises:

a catheter adapter, comprising a distal end, a proximal end, and a lumen extending through the distal end and the proximal end; and

a catheter extending distally from the distal end of the catheter adapter;

coupling an instrument delivery device to the catheter assembly, wherein the instrument delivery device comprises:

a housing, comprising:

a distal connector;

a proximal connector; and

a lumen extending through the distal connector and the proximal connector;

a vascular access instrument, comprising a distal end and a proximal end, wherein the vascular access instrument is disposed within the lumen of the housing in a compact position, wherein the vascular access instrument is configured to move from the compact position to an outstretched position and advance through the distal connector; and after inserting the catheter assembly into the vasculature of the patient, advancing the vascular access instrument through the catheter.

14. The method of claim 13, wherein advancing the vascular access instrument through the catheter comprises coupling a pre-filled syringe to the proximal connector and depressing a plunger of the pre-filled syringe.
15. The method of claim 14, wherein the proximal end of the vascular access instrument comprises a stop, wherein an outer diameter of the stop is greater than a diameter of the lumen to prevent the proximal end of the vascular access instrument from moving through the distal connector.
16. The method of claim 15, wherein the stop is spherical.
17. The method of claim 15, wherein the stop is wedge-shaped.
18. The method of claim 13, wherein the instrument delivery device further comprises another housing coupled to the distal connector, wherein the other housing comprises another distal connector, another proximal connector, and another lumen extending through the other distal connector and the other proximal connector, further comprising a one-way valve disposed within the other lumen, wherein coupling the instrument delivery

device to the catheter assembly comprises coupling the other distal connector to the catheter assembly.

19. An instrument delivery device to couple to a vascular access device, the instrument delivery device comprising:

a housing, wherein the housing comprises a pre-filled syringe, wherein the pre-filled syringe comprises a distal connector; and

an vascular access instrument disposed within the pre-filled syringe in a compact position, wherein the vascular access instrument comprises a distal end and a proximal end, wherein the vascular access instrument is configured to move from the compact position to an outstretched position and advance through the distal connector.

20. The instrument delivery device of claim 19, wherein the pre-filled syringe comprises a plunger, wherein the proximal end of the vascular access instrument comprises a stop, wherein an outer diameter of the stop is greater than a diameter of the lumen to prevent the proximal end of the vascular access instrument from moving through the distal connector.