

Claims

1. An IV catheter system comprising an insertion configuration and a fluid delivery configuration, the IV catheter system comprising:

a catheter component comprising:

a catheter hub comprising a catheter hub distal end, ~~and a catheter hub proximal end,~~
~~and a needle port at the catheter hub proximal end,~~ and a securement platform comprising a wing extending from the catheter hub; and

a cannula extending distally from the catheter hub distal end; and

a needle component comprising:

a needle hub comprising a needle hub distal end and a needle hub proximal end;

a needle extending distally from the needle hub distal end along an axis, wherein the wing is generally parallel to the axis; and

a grip extending from the needle hub beyond the catheter hub proximal end in the insertion configuration, wherein the grip is disposed generally parallel to the axis, wherein the grip comprises an upper surface and a support surface, wherein, in the insertion configuration, the needle is positioned within the cannula, the needle hub distal end is seated in the needle port, the upper surface of the grip is coplanar with an upper surface of the wing, and at least a portion of a bottom surface of the wing contacts the support surface, wherein, in the fluid delivery configuration, the needle is positioned outside the catheter hub.

2. The IV catheter system of claim 1, ~~further comprising a securement platform comprising a wing extending from the catheter hub,~~ wherein, in the insertion configuration, a distal end of the grip contacts a proximal end of the wing, wherein the securement platform is positioned to receive first contact from a first digit of a hand of a user to urge the catheter hub distally and the

grip is positioned to receive second contact from a second digit of the hand simultaneously with receipt of the first contact such that the first and second contacts cooperate to urge the IV catheter system to move from the insertion configuration toward the fluid delivery configuration.

3. The IV catheter system of claim 1, ~~further comprising a securement platform comprising a wing extending from the catheter hub,~~ wherein the wing is a first wing, wherein the securement platform further comprises a second wing extending from the catheter hub, generally coplanar with the first wing such that, in the fluid delivery configuration, the first wing and the second wing rest on the skin, wherein the securement platform is positioned to receive first contact from a first digit of a hand of a user to urge the catheter hub distally and the grip is positioned to receive second contact from a second digit of the hand simultaneously with receipt of the first contact such that the first and second contacts cooperate to urge the IV catheter system to move from the insertion configuration toward the fluid delivery configuration.

4. The IV catheter system of claim 3, wherein the needle hub further comprises an actuator button configured to move the needle into the needle hub such that the needle is entirely enclosed within the needle hub, wherein the actuator button is disposed between the first wing and the second wing.

5. The IV catheter system of claim 1, ~~further comprising a securement platform comprising a wing extending from the catheter hub,~~ wherein the grip further comprises a stop surface, wherein the stop surface separates the upper surface and the support surface, wherein, in the insertion configuration, a proximal end of the wing contacts the stop surface,

wherein the securement platform is positioned to receive first contact from a first digit of a hand of a user to urge the catheter hub distally and the grip is positioned to receive second contact from a second digit of the hand simultaneously with receipt of the first contact such that the first and second contacts cooperate to urge the IV catheter system to move from the insertion configuration toward the fluid delivery configuration.

6. The IV catheter system of claim 5, wherein, in the insertion configuration, an entire bottom surface of the wing contacts the support surface of the grip.

7. The IV catheter system of claim 5, wherein, during motion of the IV catheter system from the insertion configuration toward the fluid delivery configuration, at least a portion of the bottom surface of the wing slides along the support surface of the grip.

8. The IV catheter system of claim 7, wherein the needle hub further comprises at least one gripping protrusion, wherein the gripping protrusion is disposed proximal to the grip.

9. The IV catheter system of claim 8, wherein the gripping protrusion is disposed on an opposite side of the needle hub as the grip, wherein the gripping protrusion is positioned to receive third contact from a third digit of a hand.