

CLAIMS

We claim:

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, wherein the catheter hub is shaped to define a chamber extending between the catheter hub distal end and the catheter hub proximal end, and a needle port at the catheter hub proximal end that provides access to the chamber;
 - a cannula extending distally from the catheter hub distal end along a cannula axis; and
 - a push feature extending outward from the catheter hub, wherein the push feature comprises an outer surface that includes a pad positioned proximate the catheter hub proximal end and positioned to receive contact from a digit, wherein the pad comprises a surface texture selected to provide frictional engagement with the digit or with another digit of the same hand as the digit such that the digit urges the IV catheter system to move from the insertion configuration to the fluid delivery configuration; and
 - a needle component comprising:
 - a needle hub comprising a needle hub distal end and a needle hub proximal end; and
 - a needle extending distally from the needle hub distal end along a needle axis;

wherein, in the insertion configuration, the needle is positioned within the cannula and the needle hub distal end is seated in the needle port;

wherein, in the fluid delivery configuration, the needle is positioned outside the catheter hub;

wherein the push feature is formed of a flexible material that causes the push feature, in response to pressure exerted on the outer surface by a dressing securing the catheter component to a patient, to flex such that the outer surface deflects toward the cannula axis.
2. The IV catheter system of claim 1, wherein:
 - the needle component further comprises a grip extending from the needle hub, generally parallel to the needle axis, the grip comprising a pull feature; and
 - the push feature and the pull feature are positioned to receive contact from one or more additional digits of the same hand as the digit to urge the IV catheter system to move from the insertion configuration to the fluid delivery configuration.
3. The IV catheter system of claim 2, wherein the catheter component further comprises a securement platform comprising a first wing extending from the catheter hub,

generally parallel to the cannula axis such that, in the fluid delivery configuration, the first wing rests on skin of a patient receiving fluid through the IV catheter system.

4. The IV catheter system of claim 3, wherein:
in the insertion configuration, the first wing and the grip are generally parallel to each other and are positioned in abutting relation to each other; and
during motion of the IV catheter system from the insertion configuration to the fluid delivery configuration, the grip slides along the first wing.

5. The IV catheter system of any one of the preceding claims, wherein the push feature comprises a tab positioned closer to the catheter hub distal end than to the catheter hub proximal end.

6. The IV catheter system of any one of claims 1 to 4, wherein the push feature comprises a tab positioned generally equidistant from the catheter hub distal end and the catheter hub proximal end.

7. The IV catheter system of any one of the preceding claims, wherein the outer surface is on a first ridge oriented substantially perpendicular to the cannula axis.

8. The IV catheter system of claim 7, wherein the push feature further comprises a plurality of additional ridges oriented generally parallel to the first ridge.

9. The IV catheter system of any one of the preceding claims, wherein the push feature is formed of a material having a lower durometer than the catheter hub.