

CLAIMS

1. An IV access device, comprising:

a catheter adapter having a proximal end and a distal end and a sidewall forming a lumen that extends therebetween;

a catheter that extends from the distal end;

a side port that extends outwardly from the sidewall of the catheter adapter, the side port being in fluid communication with the lumen of the catheter adapter; and

a flow diverting feature configured to divert fluid flowing through the side port and into the lumen in a proximal direction, wherein the flow diverting feature comprises a diverter that is positioned centrally within an opening of the side port to thereby form a distal channel and a proximal channel around the diverter for fluid flowing from the side port and into the lumen, wherein a cross-section of the diverter comprises a first face aligned with a longitudinal axis of the catheter adapter, a second face proximate the first face and aligned with a longitudinal axis of the side port, and a third face extending between the first face and the second face and angled with respect to the first face and the second face.

2. ~~An IV access device, comprising:~~

~~a catheter adapter having a proximal end and a distal end and a sidewall forming a lumen that extends therebetween;~~

~~a catheter that extends from the distal end; and~~

~~a side port that extends outwardly from the sidewall of the catheter adapter, the side port being in fluid communication with the lumen of the catheter adapter, wherein:~~

~~a longitudinal axis of the side port is offset relative to a plane of a longitudinal axis of the catheter adapter such that fluid flowing from the side port and into the lumen is directed at an angle that diverges from the plane; or~~

~~a longitudinal axis of the side port is substantially parallel to but offset from a plane of a longitudinal axis of the catheter adapter.~~

3. ~~An IV access device, comprising:~~

~~a catheter adapter having a proximal end and a distal end and a sidewall forming a lumen that extends therebetween;~~

~~a catheter that extends from the distal end;~~

~~a septum positioned within the lumen at the proximal end of the catheter adapter;~~

~~a side port that extends outwardly from the sidewall of the catheter adapter, the side port being in fluid communication with the lumen of the catheter adapter; and a flow diverting feature, comprising:~~
~~a protrusion from a portion of the sidewall of the catheter adapter, the portion of the sidewall being positioned opposite the side port; or~~
~~an insert that is positioned within the lumen; or~~
~~another insert that is positioned within the side port.~~

24. The IV access device of claim 1, wherein the diverter extends between opposing sides of the side port.

35. The IV access device of claim 1, wherein the first face, the second face, or the third face is curved.

46. The IV access device of claim 1, wherein the diverter has a varying height.

57. The IV access device of claim 1, wherein the first face, the second face, and the third face are each planar.