

CLAIMS

1. A catheter assembly comprising:

a needle having a needle body having a longitudinal dimension with a proximal end and a distal end, a first longitudinal side surface, a second longitudinal side surface opposite said first longitudinal side surface, and a bevel surface extending between said first longitudinal side surface and said second longitudinal side surface to define a distal tip at said second longitudinal side surface, said bevel surface facing outwardly with respect to said first longitudinal side surface of said needle, and said second longitudinal side surface has a notch defining a blood flashback passage opposite said bevel surface, a second reverse bevel surface and a third reverse bevel surface converging with said first bevel surface to form a cutting edge between said first bevel surface and said second reverse bevel, and a cutting edge between said first bevel surface and said third reverse bevel surface, said second reverse bevel surface and third reverse bevel surface converging to form an inclined cutting edge extending from said tip in a direction opposite said first bevel surface, said needle body having a curved distal end portion extending from an outer peripheral surface of said needle to said inclined cutting edge between the second reverse bevel surface and the third reverse bevel surface, and where said inclined cutting edge is space radially inward from said peripheral outer edge;

a catheter positioned on said needle, where said needle is removable from said catheter; and

a catheter hub receiving said catheter, said catheter hub having a first longitudinal side surface configured for manipulating the catheter assembly by a user and a second longitudinal side surface configured for facing the skin of a patient, and where said bevel surface of said needle faces outwardly with respect to second longitudinal side surface of said catheter hub.

2. The catheter assembly of claim 1, wherein said catheter is an IV catheter, and where said needle body has a blood flashback passage in communication with a needle hub forming a blood control member, and a guide wire extending through said needle.

3. The catheter assembly of claim 2, wherein said needle body has a blood flashback passage between said needle body and said catheter.

4. The catheter assembly of claim 3, wherein said blood flashback passage is a notch on an outer surface of said needle body in communication with a lumen in said needle body, and where said catheter hub is connected to said blood control member.

5. The catheter assembly of claim 2, wherein said needle body includes a lumen forming said blood flashback passage and where said catheter hub is coupled to a needle hub connected to said blood control member for receiving blood from said needle.