WHAT IS CLAIMED IS:

1. A device for delivering a guidewire to a target location in a patient's body, the device comprising:

a hollow needle comprising:

a lumen configured to receive the guidewire;

a body section of the hollow needle; and

a biased section of the hollow needle, the biased section configured to bend relative to the body section, the biased section located on a distal end of the hollow needle; and

a catheter comprising a catheter lumen, the catheter lumen configured to receive the hollow needle and maintain the biased section and the body section in relative alignment in a first configuration,

wherein the hollow needle, in response to the biased section extending out from the catheter, is configured to bend the biased section relative to the body section in a second configuration.

2. The device of claim 1, and further comprising a plurality of cuts made in the biased section, the plurality of cuts configured to allow the biased section to bend.

3. The device of claim 2, wherein the plurality of cuts are uniform and aligned in parallel along a same side of the biased section, the same side comprising an inner surface of a curve formed by the biased section.

4. The device of any of claims 2 to 3, wherein the plurality of cuts number at least 10 cuts.

5. The device of any of claims 2 to 4, further comprising a sealant over the plurality of cuts.

6. The device of claim 1, wherein the hollow needle further comprises:

a second lumen configured to hold a wire stiffener, the wire stiffener comprising a pointed end configured to pierce tissue;

wherein the body section and the biased section are made from a plastic material and the wire stiffener is configured to maintain the relative bend of the biased section to the body section.

7. The device of any of claims 1 to 6, the biased section further comprising a needle tip, wherein a direction pointed to by the needle tip changes by at least 90 degrees when transforming from the first configuration to the second configuration.

8. The device of any of claims 1 to 7, the biased section having a radius of about 13.5mm and an arc of about 106 degrees.

9. The device of any of claims 1 to 8, wherein the biased section forms a U-shape in the second configuration.

10. The device of any of claims 1 to 9, further comprising a ramp formed within the catheter lumen, the ramp configured to deflect the biased section of the hollow needle relative to the body section.

11. The device of any of claims 1 to 10, wherein an angle formed by the body section and the biased section is no more than 90 degrees in the second configuration.

12. The device of any of claims 1 to 11, wherein the catheter comprises an opening into the catheter lumen located along a side of the catheter, the opening configured to provide egress out of the catheter lumen for the hollow needle.

13. A hollow needle for delivering a guidewire to a target location in a patient's body, the hollow needle comprising:

a lumen configured to receive the guidewire;

a body section of the hollow needle; and

a biased section of the hollow needle, the biased section configured to bend relative to the body section, the biased section located on a distal end of the hollow needle.

14. The hollow needle of claim 13, further comprising:

a second lumen configured to hold a wire stiffener, the wire stiffener comprising a pointed end configured to pierce tissue;

wherein the body section and the biased section are made from a plastic material and the wire stiffener is configured to maintain the relative bend of the biased section to the body section.

15. The hollow needle of claim 13, further comprising a plurality of cuts made in the biased section, the plurality of cuts configured to allow the biased section to bend.