Claims

1. An obturator for a vascular access device, the obturator comprising:

a catheter portion configured to be inserted through a lumen of the vascular access device and into a proximal end of a catheter of the vascular access device when the catheter is placed intravenously within a patient, wherein the catheter portion includes a first outer diameter;

a middle portion directly coupled to a proximal end of the catheter portion, wherein the middle portion is configured to be disposed entirely within the lumen of the vascular access device and spaced apart from the vascular access device when the catheter portion is inserted into the catheter, wherein the middle portion includes a second outer diameter;

a base portion that is inserted into the lumen and seals the lumen when the obturator is secured to the vascular access device, wherein the base portion includes a third outer diameter, wherein the second outer diameter is less than the third outer diameter and greater than the first outer diameter, wherein the base portion is proximal to the middle portion;

an antimicrobial ring positioned around the middle portion and configured to release an antimicrobial agent, wherein the antimicrobial ring is configured to be positioned within the lumen while the catheter portion is inserted into the catheter, wherein the antimicrobial agent is contained within a material of the antimicrobial ring or on a surface of the material, wherein an inner diameter of the antimicrobial ring is approximately equal to the second outer diameter, wherein an outer diameter of the antimicrobial ring is less than the third outer diameter; and

a cap portion proximal to the base portion and configured to secure the obturator to the vascular access device.

2. The obturator of claim 1, further comprising an antimicrobial component secured to the base portion.

3. The obturator of claim 1, further comprising an antimicrobial component secured to the catheter portion.

4. The obturator of claim 1, wherein a distal end of the base portion proximate the middle portion is tapered.

5. The obturator of claim 1, wherein a distal end of the middle portion proximate the catheter portion is tapered.

6. The obturator of claim 1, wherein the second outer diameter is constant along at least a portion of the middle portion.

7. An obturator for a vascular access device, the obturator comprising:

a catheter portion configured to be inserted through a lumen of the vascular access device and into a proximal end of a catheter of the vascular access device when the catheter is placed intravenously within a patient;

a middle portion directly coupled to a proximal end of the catheter portion, wherein the middle portion is configured to be disposed entirely within the lumen of the vascular access device when the catheter portion is inserted into the catheter;

a base portion that is inserted into the lumen and seals the lumen when the obturator is secured to the vascular access device, wherein the base portion is inserted into the lumen of the vascular access device, wherein a maximum outer diameter of the base portion is greater than a maximum outer diameter of the middle portion, wherein the maximum outer diameter of the middle portion is greater than a maximum outer diameter of the catheter portion;

an antimicrobial ring positioned around the middle portion and configured to release an antimicrobial agent, wherein the antimicrobial ring is configured to be positioned within the lumen while the catheter portion is inserted into the catheter, wherein the antimicrobial agent is contained within a material of the antimicrobial ring or on a surface of the material; and

a cap portion proximal to the base portion and configured to secure the obturator to the vascular access device.

8. The obturator of claim 7, further comprising an antimicrobial component secured to the base portion, the middle portion, or the catheter portion.

9. The obturator of claim 7, wherein a distal end of the base portion proximate the middle portion is tapered.

10. The obturator of claim 7, wherein a distal end of the middle portion proximate the catheter portion is tapered.

11. The obturator of claim 7, wherein an outer diameter of the middle portion is constant along at least a portion of the middle portion.

12. The obturator of claim 7, wherein an inner diameter of the antimicrobial ring is approximately equal to the maximum outer diameter of the middle portion, wherein an outer diameter of the antimicrobial ring is less than the maximum outer diameter of the base portion.