

21. The occlusion device of claim 20, wherein the expandable layer includes a radiopaque filler in the hydrogel.
22. The occlusion device of claim 18, wherein the expandable layer includes a shape memory polymer.
23. The occlusion device of claim 22, wherein the shape memory polymer is selected from the group consisting of biostable and bioresorbable shape memory polymers.
24. The occlusion device of claim 2, wherein the one or more anchors include an expandable coil having an attached end coupled with the outer surface and an unattached end configured to expand radially apart from the attached end when the expandable coil is unconstrained.
25. A method of female contraception comprising:  
delivering an occlusion device into a fallopian tube, wherein the occlusion device includes a plurality of caps enclosing a passage within a hollow body, and an expandable layer on an outer surface of the hollow body;  
expanding the expandable layer to occlude the fallopian tube; and  
opening the plurality of caps to uncover the passage and unblock the fallopian tube.
26. The method of claim 25, further comprising expanding an anchor coupled with the outer surface into contact with the fallopian tube to secure the occlusion device to the fallopian tube.
27. The method of claim 25, wherein opening the plurality of caps comprises dislodging one or more of the caps.
28. The method of claim 27, further comprising introducing a microcatheter over a flexible tail coupled with a proximal cap of the plurality of caps, wherein the flexible tail trails proximally from the proximal cap.
29. The method of claim 25, wherein opening the plurality of caps comprises piercing one or more of the caps.