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**AMENDED CLAIMS**

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What is claimed is:

1. A medical product for occluding a vascular vessel, the medical product comprising:
  - a vascular implant suitable for transluminal vascular delivery to a vascular vessel site, the implant comprising:
    - a first expandable member;
    - a second expandable member spaced from the first expandable member, wherein the first expandable member and the second expandable member are each compressible to permit delivery through the vasculature to the vascular vessel site, and expandable at the site to block flow through the vessel; and
    - an intermediate segment extending between the first expandable member and the second expandable member and including an interior region for receipt of a fill material; and
    - an injectable fill material for filling at least part of the interior region, the injectable fill material being injectable into the interior region.
2. The medical product of claim 1, wherein at least one of the first expandable member and the second expandable member is comprised of a naturally derived material.
3. The medical product of claim 1, wherein at least one of the first expandable member and the second expandable member is comprised of a non-naturally derived material.
4. The medical product of claim 1, wherein at least one of the first expandable member and the second expandable member is comprised of a remodelable material.
5. The medical product of claim 1, wherein at least one of the first expandable member and the second expandable member is self-expandable.

6. The medical product of claim 1, wherein the fill material includes a sclerosant.
7. The medical product of claim 1, wherein the fill material includes a collagen-containing material.
8. The medical product of claim 1, wherein the intermediate segment is comprised of a naturally derived material.
9. The medical product of claim 1, wherein the intermediate segment is comprised of a non-naturally derived material.
10. The medical product of claim 1, wherein the intermediate segment has a plurality of passages therein through which fill material can pass to exit said interior region.
11. The medical product of claim 10, wherein the intermediate segment comprises a tube having a first end and a second end.
12. The medical product of claim 11, wherein the first expandable member and the second expandable member each comprise an expandable sponge material attached to the first end and the second end of the tube, respectively.
13. The medical product of claim 12, wherein the fill material comprises an injectable sclerosant.
14. A medical product for occluding a vascular vessel, the medical product comprising:
  - an endoluminally advanceable delivery device having a lumen and an expandable cuff that is expandable so as to occlude the vessel at a first location in the vascular vessel;
  - an implant removably positioned in the lumen and deployable from the lumen into the vascular vessel, the implant having a first end portion, a second end portion and a wall of material extending therebetween so as to provide a fillable implant body between said first end portion and said second end

portion, the first end portion comprising a first expandable member, and the second end portion comprising a second expandable member, wherein the first expandable member and the second expandable member are each compressible to permit transluminal vascular delivery to a vascular vessel site, and expandable at the site so as to position the respective end portion in the vessel to block flow through the vessel.

15. The medical product of claim 14, wherein the wall of material is bonded to the first expandable member and the second expandable member.
16. The medical product of claim 14, wherein at least one of the first expandable member and the second expandable member comprises a frame.
17. The medical product of claim 16, wherein the frame is self-expandable.
18. The medical product of claim 14, wherein at least one of the first expandable member and the second expandable member comprises a sponge material.
19. The medical product of claim 14, wherein the wall of material includes a generally cylindrical portion.
20. A medical product for occluding a vascular vessel, the medical product comprising:
  - an endoluminally advanceable delivery device having a lumen and an expandable cuff that is expandable so as to occlude the vessel at a first location in the vascular vessel;
  - a vascular implant suitable for transluminal vascular delivery the vascular vessel, the implant removably positioned in the lumen and deployable from the lumen into the vascular vessel, the implant comprising:
    - a tubular segment having a first end and a second end and including a wall formed with a compliant sheet material harvested from a collagenous tissue source, the tubular segment deliverable to a vascular vessel site for lining an interior wall of the vessel; and

a first expandable occluding member attached to the tubular segment at or near its first end, the first expandable occluding member deployable into the vascular vessel to a second location spaced from the first location.

21. The medical product of claim 20, wherein the first expandable occluding member comprises a sponge material.
22. The medical product of claim 20, further comprising a fill material for filling an interior region of the tube.
23. The medical product of claim 22, wherein the tube wall has a plurality of passages therein through which fill material can pass to exit said interior region.
24. The medical product of claim 20, wherein the sheet material comprises an extracellular matrix material.
25. The medical product of claim 24, wherein the extracellular matrix material comprises serosa, pericardium, submucosa, dura mater, peritoneum, or dermal collagen.
26. The medical product of any one of claims 20 to 25, also comprising a second expandable occluding member attached to the tubular segment at or near its second end, wherein the first occluding member and the second occluding member are each compressible to permit delivery through the vasculature, and expandable in a vascular vessel to occlude the vessel.
27. A method for occluding a vascular vessel, comprising:
  - providing a vascular implant suitable for transluminal vascular delivery to a vascular vessel site, the implant comprising:
    - a first expandable member, a second expandable member and an intermediate segment extending therebetween, wherein the first expandable member and the second expandable member are each

compressible to permit delivery through the vasculature to the vascular vessel site, and expandable at the site to block flow through the vessel, and wherein the intermediate segment includes an interior region for receipt of a fill material;

delivering the vascular implant to the vascular vessel site such that the first expandable member and the second expandable member expand to block flow through the vessel;

providing a fill material for filling the interior region of the intermediate segment; and

filling at least part of the interior region with the fill material, wherein said filling comprises injecting the fill material into said interior region.

28. The method of claim 27, wherein said delivering includes:

providing a delivery device having a lumen;

removably positioning the vascular implant in the delivery device lumen;

locating the delivery device in the vascular vessel; and

deploying the vascular implant from the delivery device lumen.

29. The method of claim 27, wherein the intermediate segment has a plurality of passages therein through which fill material can pass to exit the interior region.

30. The method of claim 27, wherein said injecting said fill material into said interior region comprises locating a tubular device in said interior region and injecting said fill material through the tubular device.

31. A method for occluding a vascular vessel, comprising:

providing an endoluminally advanceable delivery device, said delivery device having a lumen communicating with a distal open end, and further having an expandable cuff located at or near said distal end;

providing a vascular implant removably positioned in the delivery device lumen, the implant being configured for deployment from the delivery

device lumen in the vascular vessel for occluding the vessel, the implant comprising:

- a first expandable occluding member;

- a second expandable occluding member spaced from the first expandable occluding member, wherein the first occluding member and the second occluding member are each effective to expand upon removal from the delivery device lumen in the vascular vessel so as to occlude the vessel; and

- an intermediate segment occurring between the first occluding member and the second occluding member;

- locating the delivery device in a vascular vessel;

- expanding said expandable cuff so as to occlude the vessel at a first vessel location;

- deploying the first occluding member from the delivery device lumen such that the first occluding member expands and occludes the vessel at a second vessel location spaced from said first vessel location, thereby forming an occluded vessel segment between the expanded cuff and the expanded first occluding member, the occluded vessel segment containing blood;

- evacuating at least part of the blood from the occluded vessel segment through the delivery device lumen; and

- deploying the second occluding member from the delivery device lumen such that the second occluding member expands and occludes the vessel at a third vessel location occurring between said first vessel location and said second vessel location.

32. A method for occluding a vascular vessel, comprising:

- providing a vascular implant suitable for transluminal vascular delivery to a vascular vessel site, the implant comprising:

- a first expandable member and a fillable segment extending therefrom, wherein the first expandable member is compressible to permit delivery through the vasculature to the vascular vessel site, and expandable at the site to block flow through the vessel, and wherein the fillable segment includes an interior region for receipt of a fill material;

delivering the vascular implant to the vascular vessel site such that the first expandable member expands to block flow through the vessel;  
providing a fill material for filling the interior region of the fillable segment; and  
filling at least part of the interior region with the fill material.

33. A method for occluding a vascular vessel, comprising:

providing an endoluminally advanceable delivery device, said delivery device having a lumen communicating with a distal open end, and further having an expandable cuff located at or near said distal end;

providing a vascular implant removably positioned in the delivery device lumen, the implant being configured for deployment from the delivery device lumen in the vascular vessel for occluding the vessel, the implant comprising:

a first expandable occluding member effective to expand upon removal from the delivery device lumen in the vascular vessel so as to occlude the vessel; and

a fillable segment extending from the first occluding member;  
locating the delivery device in a vascular vessel;

expanding said expandable cuff so as to occlude the vessel at a first vessel location;

deploying the first occluding member from the delivery device lumen such that the first occluding member expands and occludes the vessel at a second vessel location spaced from said first vessel location, thereby forming an occluded vessel segment between the expanded cuff and the expanded first occluding member, the occluded vessel segment containing blood;

evacuating at least part of the blood from the occluded vessel segment through the delivery device lumen; and

deploying the fillable segment from the delivery device lumen.

34. The method of claim 32, also comprising filling the fillable segment with a fill material.

35. The method of claim 33, also comprising filling the tillable segment with a fill material.

36. The medical product of claim 1, wherein the vascular implant is configured such that filling of the interior region of the intermediate segment with the fill material causes the intermediate segment to make contact with the walls of the vessel.

37. The medical product of claim 14, wherein the delivery device includes an outer sheath and a delivery catheter receivable in the outer sheath, and wherein said expandable cuff is on the outer sheath and said lumen is in the delivery catheter.

38. The medical product of claim 37, wherein the delivery device also includes an injection tube having a distal region receivable in the interior region for injecting the fill material into the interior region.

39. The medical product of claim 38, wherein the injection tube is extendable through the second expandable member.

40. The medical product of claim 20, wherein the delivery device includes an outer sheath and a delivery catheter receivable in the outer sheath, and wherein said expandable cuff is on the outer sheath and said lumen is in the delivery catheter.

41. The medical product of claim 40, wherein the delivery device also includes an injection tube having a distal region receivable in the interior region for injecting the fill material into the interior region.

42. The medical product of claim 41, wherein the implant also includes a second expandable member attached to the tubular segment, and wherein the injection tube is extendable through the second expandable member.