~~We claim:~~Claims

~~1. A method of reducing postpartum bleeding comprising:~~
~~positioning a device comprising a vacuum element at least partially within a uterus;~~
~~sealing the uterus with a seal of the device;~~
~~activating vacuum in the uterus with the vacuum element of the device while the uterus is sealed; and~~
~~collapsing endometrial trumpet- shaped arteries at an inner surface of the uterus with the vacuum to reduce postpartum bleeding.~~

~~2. The method of claim 1, further comprising collapsing the uterus with the vacuum to cause contraction of uterine muscles and reduce postpartum bleeding.~~

~~3. The method of claim 1, wherein activating vacuum comprises supplying vacuum from a pump at between 1 L/min and 20 L/min.~~

~~4. The method of claim 1, wherein activating vacuum comprises supplying vacuum from a pump at between 10 L/min and 15 L/min.~~

~~5. The method of claim 1, wherein activating vacuum comprises producing a pressure of 40-160 mmHg.~~

~~6. The method of claim 1, wherein activating vacuum comprises producing a pressure of 50-100 mmHg.~~

~~7. The method of claim 1, wherein activating vacuum comprises producing a pressure of 70-90 mmHg.~~

~~8. The method of claim 1, wherein sealing the uterus comprises placing the seal in the lower uterus, cervix, vaginal canal, or at the vulva.~~

~~9. The method of claim 1, wherein sealing the uterus comprises sealing so as to hinder a flow of air into the uterus while vacuum is applied in order to achieve a therapeutic isobaric level of vacuum throughout the uterus.~~

~~10. The method of claim 1, further comprising maintaining an isobaric condition within the uterus after activating vacuum.~~

~~11. The method of claim 1, wherein activating vacuum comprises activating with a pump having a vacuum reservoir therein so as to enable a consistent flow of vacuum to the uterus.~~

~~12. The method of claim 1, further comprising detecting air in a tube connected to the vacuum element to determine if there is a leak in a seal.~~

~~13. The method of claim 1, further comprising visualizing a flow of blood from the uterus through a translucent or transparent tube connected to the vacuum element.~~

~~14. The method of claim 1, wherein the steps of positioning, sealing, activating, and collapsing result in stopping postpartum bleeding within 5 hours.~~

~~15. The method of claim 1, wherein the steps of positioning, sealing, activating, and collapsing result in stopping postpartum bleeding within 2 hours.~~

~~16. The method of claim 1, further comprising confirming that a cervix is dilated to greater than 3 cm prior to the positioning step.~~

~~17. The method of claim 1, wherein a leak rate past the seal is less than a pump rate of a pump supplying the vacuum.~~

~~18. A method of reducing postpartum bleeding comprising:~~
~~positioning a device comprising a vacuum element at least partially within a uterus;~~
~~sealing the uterus with a seal of the device;~~
~~activating vacuum in the uterus with the vacuum element of the device while the uterus is sealed;~~
~~collapsing the uterus with the vacuum; and~~
~~maintaining an isobaric condition within the uterus after activating vacuum to reduce postpartum bleeding.~~

1~~9~~. A system configured to treat postpartum hemorrhaging, comprising:
a suction module comprising:
a vacuum element configured to be placed within a uterus, the vacuum element comprising a plurality of holes therein; and
a sealing portion connected to the vacuum element, the sealing portion having a seal configured to seal the uterus; and
a pump system configured to connect to the suction module so as to activate vacuum in the uterus through the vacuum element, wherein the pump system comprises:
a pump;
a vacuum reservoir; and
a pressure regulator configured to regulate a pressure between the vacuum reservoir and the suction module so as to maintain a substantially constant vacuum within the uterus.

2~~0~~. The system of claim 1~~9~~, wherein the pump is an intermittent pump.

2~~1~~3. The system of claim 1~~9~~, wherein the pump is a manual pump.

~~22~~4. The system of claim 1~~9~~, wherein the pump is configured to draw a vacuum that is higher than a vacuum through the suction module.

~~23~~5. The system of claim 1~~9~~, wherein the pump system further comprises a pressure gauge connected to the vacuum reservoir configured to indicate a pressure in the vacuum reservoir.

~~24~~6. The system of claim 1~~9~~, wherein the pump system further comprises a separation canister configured to prevent fluids from reaching the pressure regulator.

~~25~~7. A system configured to treat postpartum hemorrhaging, comprising:
a suction module comprising:
a vacuum element configured to be placed within a uterus, the vacuum element comprising a plurality of holes therein; and
a sealing portion connected to the vacuum element, the sealing portion having a seal configured to seal the uterus; and
a connecting tube connected to the suction module, wherein the connecting tube is configured to connect to a vacuum pump so as to activate vacuum in the uterus through the vacuum element, further wherein the connecting tube is transparent or translucent so as to enable viewing of a flow of blood therethrough.

~~26~~8. A system configured to treat postpartum hemorrhaging, comprising:
a suction module comprising:
a vacuum element configured to be placed within a uterus, the vacuum element comprising a plurality of holes therein; and
a sealing portion connected to the vacuum element, the sealing portion having a seal configured to seal the uterus; and
a connecting tube connected to the suction module, wherein the connecting tube is configured to connect to a vacuum pump so as to activate vacuum in the uterus through the vacuum element;
wherein the vacuum is configured to collapse endometrial trumpet- shaped arteries at an inner surface of the uterus to reduce postpartum bleeding.

~~27~~9. The system of claim 1~~9~~, ~~25~~ 7 or ~~26~~8, wherein the vacuum is configured to collapse the uterus to cause contraction of uterine muscles and reduce postpartum bleeding.

~~28~~10. The system of claim 1~~9~~, ~~25~~ 7 or ~~26~~8, wherein the seal is configured to be positioned in the lower uterus, cervix, vaginal canal, or at the vulva.

~~29~~11. The system of claim 1~~9~~,~~ 25~~7 or ~~26~~8, wherein the vacuum element is looped.

~~30~~12. The system of claim ~~29~~11, wherein the plurality of holes are positioned along an interior surface of the looped vacuum element.

~~31~~13. The system of claim 1~~9~~, ~~25~~ 7 or ~~26~~8, further comprising a shield coupled to and extending along the vacuum element.

~~32~~14. The system of claim 1~~9~~, ~~25~~ 7 or ~~26~~8, wherein the vacuum element is atraumatic.

~~33~~15. The system of claim 1~~9~~, ~~25~~ 7 or ~~26~~8, wherein the seal is configured to expand from a collapsed configuration to an expanded configuration.