

CLAIMS

1. A retrieval device for retrieving a previously implanted device from a native valve, the retrieval device comprising:

a catheter; ~~and~~

a retrieval shaft disposed within the catheter ~~for holding one or more retrieval components of the retrieval device~~, wherein the retrieval shaft is configured to be extended from the catheter;~~;~~

~~the one or more retrieval components~~ coupled to the retrieval shaft, the one or more retrieval components comprising:

a securing member comprising one or more of a wire loop, a snare, a lasso, a ring, a hoop, a clip, a magnet, a detent mechanism, and a coupler, the securing member configured to attach to a collar that is disposed at a proximal end of the retrieval device ~~to~~ the previously implanted device; ~~and~~

an actuation member comprising one or more of a rod, a shaft, a bar, a wire, a line, a hook, and a suture, the actuation member configured to engage an anchor portion of ~~for engaging~~ the previously implanted device; ~~and~~

wherein moving the actuation member relative to the securing member moves a pair of paddles of the anchor portion of the ~~to move~~ previously implanted device from a closed configuration to an open configuration.

~~2. The retrieval device according to claim 1, wherein the previously implanted device includes a pair of paddles that are movable between an open position in the open configuration and a closed position in the closed configuration.~~

~~32.~~ The retrieval device according to claim ~~21~~, wherein the actuation member is configured to engage a cap of the previously implanted device to move the pair of paddles from the closed configuration position ~~to the open configuration position~~.

~~43.~~ The retrieval device according to ~~any one of claims 2-3~~ claim 1, wherein the actuation member is configured to engage a coupler of the previously implanted device to move the pair of paddles from the closed configuration position ~~to the open configuration position~~.

~~54~~. The retrieval device according to any one of claims 1-~~43~~, wherein the previously implanted device includes a pair of gripping clasps that secure the previously implanted device to the native valve.

~~65~~. The retrieval device according to claim ~~54~~, further comprising at least one capturing member for engaging the pair of gripping clasps of the previously implanted device to remove the pair of gripping clasps from the native valve.

~~76~~. The retrieval device according to claim ~~65~~, wherein the at least one capturing member comprises a first capturing member configured to engage a first gripping clasp of the pair of gripping clasps and a second capturing member configured to engage a second gripping clasp of the pair of gripping clasps.

~~87~~. The retrieval device according to any one of claims ~~65-76~~, wherein the at least one capturing member comprises a wire with a loop, and wherein the at least one capturing member is configured to attach to an attachment member of each of the pair of gripping clasps.

~~98~~. The retrieval device according to claim ~~87~~, wherein the attachment member comprises a hook.

~~109~~. The retrieval device according to claim ~~65~~, wherein the at least one capturing member comprises a hollow shaft.

~~11~~. ~~The retrieval device according to any of claims 1-10, wherein the securing member is configured to attach to a collar of the previously implanted device.~~

~~1210~~. The retrieval device according to claim ~~111~~, wherein the securing member comprises a wire with a loop.

~~1311~~. The retrieval device according to claim ~~111~~, wherein the securing member comprises a first securing portion having a first attachment mechanism configured to attach the first securing portion to the collar and a second securing portion having a second attachment mechanism configured to attach the second securing portion to the collar.

~~14~~12. The retrieval device according to claim ~~13~~11, wherein the first attachment mechanism is a first attachment window and the second attachment mechanism is a second attachment window, and wherein the collar extends through the first attachment window and the second attachment window when the securing member is attached to the collar.

~~15~~13. The retrieval device according to any of claims 1-~~14~~12, wherein the one or more retrieval components further comprise a second securing member for attaching the retrieval device to the previously implanted device.

~~16~~14. The retrieval device according to claim ~~15~~13, wherein the securing member comprises a wire with a loop that is configured to attach to ~~a~~the collar of the previously implanted device, and wherein the second securing member comprises a hollow shaft that is configured to connect to a shaft of the previously implanted device.

~~17~~15. The retrieval device according to any of claims 1-~~16~~14, wherein the one or more retrieval components further comprise a second actuation member that is configured to engage a lock of the previously implanted device to move at least one of the pair of paddles ~~paddle~~ of the previously implanted device from a locked position to an unlocked position.