CLAIMS

1. An apparatus, comprising:

a first cannula to couple to a fluid receptacle such that fluid flows from the fluid receptacle through a proximal opening of the first cannula;

a second cannula to couple within the first cannula such that an outer wall of the second cannula is in touching relation with an inner wall of the first cannula, the second cannula including a first distal opening and a first slot longitudinally extending along a length of the second cannula, wherein the fluid entering the proximal opening of the first cannula is to flow through the first slot and exit at a distal end of the apparatus; and

a third cannula to couple within the second cannula such that an outer wall of the third cannula is in touching relation with an inner wall of the second cannula, the third cannula including a second distal opening that rotationally interacts with the first distal opening during debridement of tissue;

wherein the fluid entering the proximal opening of the first cannula is to flow through a channel defined by an opening between a first boundary and a second boundary, the opening including the first slot, the first boundary including a longitudinal portion of the inner wall of the first cannula, and the second boundary including a longitudinal portion of the outer wall of the third cannula.

2. The apparatus of claim 1, wherein:

the second cannula further includes a second slot longitudinally extending along the length of the second cannula; and

the fluid entering the proximal opening of the first cannula is to flow through the first slot and the second slot, and exit at the distal end of the apparatus.

3. The apparatus of claim 2, wherein:

the second cannula further includes a third slot longitudinally extending along the length of the second cannula; and

the first slot, second slot, and third slot are circumferentially spaced along the second cannula.

4. The apparatus of claim 1, wherein the first slot is substantially linear along the length of the second cannula.

5. The apparatus of claim 1, wherein the first slot spirals along the length of the second cannula.

6. The apparatus of claim 1, wherein a thickness of the channel is substantially the same as a thickness of the second cannula between the outer wall of the second cannula and the inner wall of the second cannula.

7. The apparatus of claim 1, wherein the outer wall of the second cannula is flush against the inner wall of the first cannula along a longitudinal length of the first cannula.

8. The apparatus of claim 1, further comprising: a housing coupled to a proximal end of the third cannula, the housing comprising a port configured to couple to a suction line that suctions the tissue after debridement or the fluid after exiting at the distal end of the apparatus.

9. The apparatus of claim 1, wherein an edge of the third cannula along the second distal opening is sharpened.

10. The apparatus of claim 1, further comprising:
a light source to transmit light to a location of the tissue during debridement; and
an image sensor to image the location during debridement.

11. The apparatus of claim 10, wherein the first cannula comprises a channel via which the light transmitted by the light source travels.

12. The apparatus of claim 1, further comprising: the fluid receptacle, wherein the fluid receptacle is configured to fluidically couple to a fluid source, and the fluid receptacle is longitudinally rotatable.

13. The apparatus of claim 1, wherein the third cannula is to removably couple within the second cannula.

14. The apparatus of claim 1, wherein the third cannula is integrated within the second cannula; or the second cannula is integrated within the first cannula.

15. The apparatus of claim 1, wherein a length of the apparatus is between 5cm and 25cm, an outer diameter of the first cannula is between 2.2mm and 8mm, and an inner diameter of the third cannula is between 2.0mm and 7.5mm.

16. An apparatus, comprising:

a first cannula to couple to a fluid receptacle such that fluid flows from the fluid receptacle through a proximal opening of the first cannula;

a second cannula to couple within the first cannula such that an outer wall of the second cannula is in touching relation with an inner wall of the first cannula, the second cannula including a first distal opening and at least one slot longitudinally extending along a length of the second cannula, wherein the fluid entering the proximal opening of the first cannula is to flow through the at least one slot and exit at a distal end of the apparatus; and

an instrument shaft to couple within the second cannula such that an outer wall of the instrument shaft is in touching relation with an inner wall of the second cannula.