Claims

1. A laparoscopic tool comprising:

- a shaft comprising a proximal end and a distal end;
- a tip;
- a moving part disposed between the distal end of the shaft and the tip, the moving part being attached to both the distal end and the tip, the moving part being adapted to allow movement of the tip relative to the shaft;

wherein the tip comprises a cylindrical part and a tapered part extending from the cylindrical part to an outlet; the cylindrical part being attached to the moving part; the cylindrical part comprising a central channel surrounded by at least two peripheral channels; the central channel and the peripheral channels extending across the cylindrical part of the tip wherein the central channel comprises a pellet together with a foldable retainer in a folded position; the first peripheral channel comprising an opening at the tapered part, the first peripheral channel comprising a first dissection tool that is capable to be protruded from the tip; a blinded peripheral channel comprising a location sensor configured to be detected by an external localizer for locating continuously the tip.

2. The laparoscopic tool of claim 1, wherein the cylindrical part comprising a second peripheral channel comprising a second dissection tool that is capable to be protruded from the tip, the second dissection tool being adapted to implement a dissection different to the one implemented by the first dissection tool.

3. The laparoscopic tool of claim 2, wherein the first dissection tool is an electrosurgery dissection tool and the second dissection tool is a hydro-dissection tool, the second peripheral channel being adapted to bring a hydro jet coming from a hydro jet generator connected to the laparoscopic tool.

4. The laparoscopic tool of claim 3, wherein the electrosurgery dissection tool comprises an electrode protruding from a centering piece that is folded in the first peripheral channel and is unfolded outside the first peripheral channel, the electrosurgery electrode being disposed on a top of the centering piece so that the electrosurgery electrode is always centered relative to the tip when unfolded, the electrosurgery dissection tool being adapted for extending the electrosurgery electrode outside the tip and for retracting the electrode surgery electrode inside the first peripheral channel.

5. The laparoscopic tool of any one of claims 1 to 4, comprising at the proximal end a first handle adapted to operate the first surgical tool and a second handle adapted to control a release of the pellet.

6. The laparoscopic tool of any one of claims 1 to 5, comprising at the proximal end a knob adapted to control the steering of the tip.

7. The laparoscopic tool of claim 6, wherein the knob is adapted to maintain the steering of the tip without any locking mechanism.

8. The laparoscopic tool of any one of claims 1 to 7, wherein the shaft is rigid and comprises a cavity extending across the shaft from the proximal end toward the distal end, the cavity housing guiding mechanisms for controlling each of the surgical tool and for controlling a release of the pellet

9. The laparoscopic tool of any one of claims 1 to 8, wherein the foldable retainer is configured to be folded inside the central channel and to be deployed when moving outside the tool so that it prevents the pellet to return back to the tool after its release.