

## Comparison of EZ Surgical A-Lap™ and EndoPaddle Retractor

Overview:

**The A-Lap™ is the first and only 3-Dimensional, flexible, Hand-like laparoscopic retractor.**

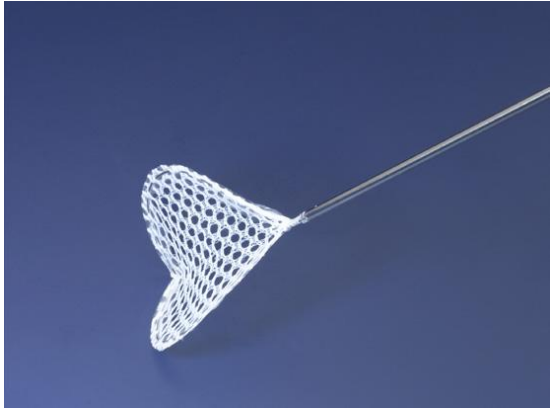
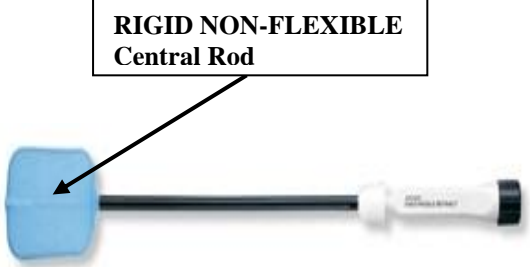
The A-Lap™ features soft and compliant mesh controlled by an intuitive handle design allowing the surgeon to manipulate and lock-in the degree to which the device is opened.

A-Lap™ design enables conveniently “wrapping” and retracting a large volume of tissue, by accepting the natural topography of the organ, thus simplifying soft tissue retraction and preventing ‘slippage’ of tissue during retraction.

**The EndoPaddle is a 2-dimensional, straight retractor, with a rigid central rod.**

**It has no capability for 3-Dimensional expansion and is cumbersome and inconvenient to use.**

Detailed comparison table:

	<u>A-Lap™</u>	<u>EndoPaddle</u>
		
<b>Materials - Flexibility</b>	High flexibility. Soft and compliant mesh, surrounded by highly flexible and strong metal wires	Soft mesh with <b>Rigid metal central element</b>

	<b><u>A-Lap™</u></b>	<b><u>EndoPaddle</u></b>
<b>3-Dimensional</b>	<b>3 – Dimensional, hand-like grasping and retraction</b>	<b>None. One plane only</b>
<b>“Scoop and Protect” Scooping large volume of tissue</b>	<b>Intuitive to the design, due to 3-D function and soft mesh</b>	<b>Minimal – due to rigid straight design</b>
<b>Structure: Safety</b>	Mesh material: Similar to implantable hernia mesh No small parts. Design is single unit, cannot break within abdomen	Pieces of plastic may tear off into abdomen (as reported on FDA Adverse Events Reports)
<b>Maneuverability</b>	26 different stages. Fully compatible with multiple different anatomical shapes and sizes, and with different organs.	Single pre-determined shape.
<b>Small Bowel, Urinary Bladder, Uterus</b>	Excellent for retraction of soft organs such as small bowel, urinary bladder and uterus	Limited use - since no capability to “scoop” a large 3-D volume
<b>Surface area</b>	Large surface area of retraction	Large surface area of retraction, on one plane only.
<b>Retraction pressure spread</b>	Retraction pressure spread on large surface area, with soft mesh	Retraction pressure spread on large surface area with soft mesh, but concentrated pressure on central rigid rod