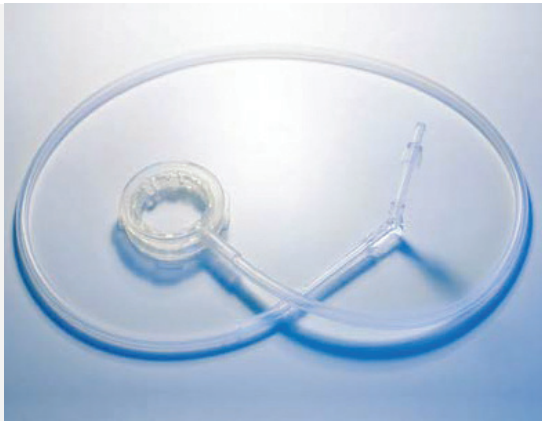
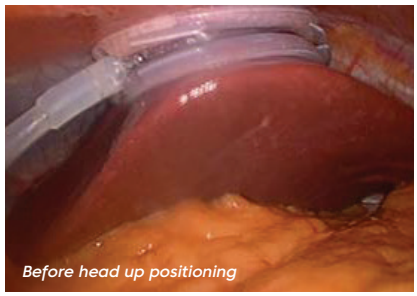
LiVac™
Gentle Organ Retraction

The LiVac™ Retractor System

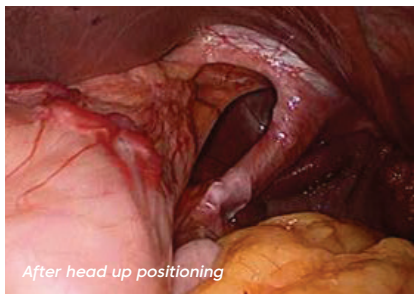
A Gentle Way to Retract Solid Organs

The LiVac™ Retractor System is a soft and flexible silicone ring, which uses suction to create a vacuum between two reasonably smooth and flat solid surfaces. It is most commonly used for retraction of either the right or left lobes of the liver, but has been used successfully to retract the spleen. As the suction tubing uses the same incision as the laparoscopic port, no separate incision is used for the organ retraction.

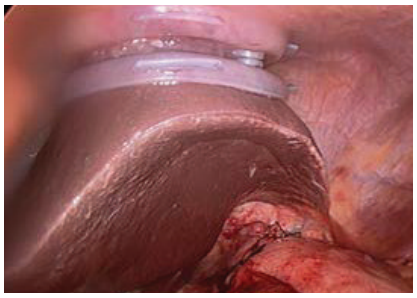


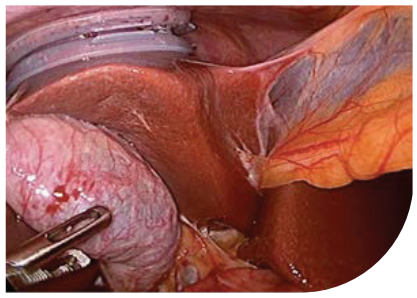


Before head up positioning



After head up positioning





The LiVac™ Approach

- The only retractor that attaches to the upper surface of the liver and stays out of the field of surgery
- Single use, disposable
- Two sizes available for different liver lobe sizes
- Accessory bevel for use in Hasson Technique
- Reduced port to facilitate minimally invasive surgery
- Approved for solid organ use

LiVac™ Clinical Benefits

- Safe and effective organ retraction using regulated suction
- No extra abdominal incision required
- Enables reduced port laparoscopy with minimal technical adjustment
- Does not compress liver parenchyma
- Reduced post operative pain[1]
- No reported organ trauma.[2]

References
1. Lu T, Versace V, Gan P. The effect of total cross-sectional area of laparoscopic ports in elective cholecystectomies: a retrospective analysis of 160 patients in a rural Victorian health service. ePoster at the RACS ASC, Sydney 7-11 May 2018. ANZ Journal of Surgery. 2018; Vol. 88. Issue S1. Doi:10.1111/ans.14536 (p. 177)
2. Gan P, Bingham J. A clinical study of the LiVac laparoscopic liver retractor system. Surg Endosc. 2016;30(2):789-796. doi:10.1007/s00464-015-4272-0

For more information
Call +1 612 636 2035 *or* Email mkyle@onelifesciences.com
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Selected LiVac™ **Video List**

Video Title	Duration (mins)	YouTube Link
Set Up		
LiVac Set Up Guide *Apr 2016*	1.19	bit.ly/livacsetup
LiVac Principles of Use & Patient Selection *Apr 2016*	4.51	bit.ly/livacuse
LiVac Insertion & Removal *Apr 2016*	4.26	bit.ly/livacinsert
LiVac 2 Port Splenectomy *Feb 2019*	9.48	bit.ly/livacspleen
Bariatric		
LiVac Sleeve Gastrectomy *July 2017*	7.45	bit.ly/livacsleeve
LiVac Reduced (3) Port Fundoplication *Dec 2014*	4.14	bit.ly/livac3portfund
LiVac Reduced Port Gastric Banding *Oct 2014*	1.45	bit.ly/livacgastricband
LiVac Fundoplication *2016*	4.22	bit.ly/livacfundo
MGB LiVac - Large Left Lobe *Mar 2017*	2.18	bit.ly/livacmgbLLL
2 stage Band to Mini Gastric Bypass *Apr 2018*	0.57	bit.ly/livacband2mgb
Zorron Technique for Using the LiVac in Mini Gastric Bypass *April 2019*	1.52	bit.ly/livaczorron
Optimising Left Lobe Exposure With LiVac *April 2019*	5.14	bit.ly/livacLLL
Reduced Port Mini Gastric Bypass *Dec 2018*	12.24	bit.ly/livacrpmgb
Using Raytec Gauze at The Hiatus With LiVac Retraction *8 Mar 2019*	3.45	bit.ly/livacraytec
Cholecystectomy		
LiVac Reduced Port Cholecystectomy *May 2014*	1.51	bit.ly/livacrpc
LiVac SILS Cholecystectomy *Oct 2014*	0.53	bit.ly/livacspc
Medial Tubing Placement in Right Lobe Liver Retraction *Aug 2016*	3.45	bit.ly/livacmedial
3 Port Cholecystectomy *Oct 2018*	3.13	bit.ly/livac3pc
LiVac 3 port chole *March 2019*	7.40	bit.ly/livac3pc2

LiVac™ **Device Details**

Device Sizes OD 56mm, OD 78mm (included in the part numbers below)

Part Numbers FG04176: LiVac Retractor System – 56 mm, EO sterilized
FG04177: LiVac Retractor System – 78 mm, EO sterilized

Indication For Use The LiVac Retractor is designed as an organ and tissue retractor for use in laparoscopic procedures to elevate organs and tissue to provide improved access and visualisation of surgical sites.

For any further information please email Dr Matthew Kyle at mkyle@onelifesciences.com

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