# **Reduced Port Laparoscopic RYGB**

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I have no potential conflict of interest to report

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# Sustainability

Circular economy All the second secon	Smarter product use and manufacture	R0 Refuse	Make product redundant by abandoning its function or by offering the same function with a radically different product
		R1 Rethink	Make product use more intensive (e.g. by sharing product)
		R2 Reduce	Increase efficiency in product manufacture or use by consuming fewer natural resources and materials
	Extend lifespan of product and its parts	R3 Reuse	Reuse by another consumer of discarded product which is still in good condition and fulfils its original function
		R4 Repair	Repair and maintenance of defective product so it can be used with its original function
		R5 Refurbish	Restore an old product and bring it up to date
		R6 Remanufacture	Use parts of discarded product or its parts in a new product with the same function
		R7 Repurpose	Use discarded product or its parts in a new product with a different function
	Useful application of materials	R8 Recycle	Process materials to obtain the same (high grade) or lower (low grade) quality
		R9 Recover	Incineration of material with energy recovery

Tjahjono M, Ünal E, Tran TH. The Circular Economy Transformation of Airports: An Alternative Model for Retail Waste Management. *Sustainability*. 2023; 15(4):3860. https://doi.org/10.3390/su15043860

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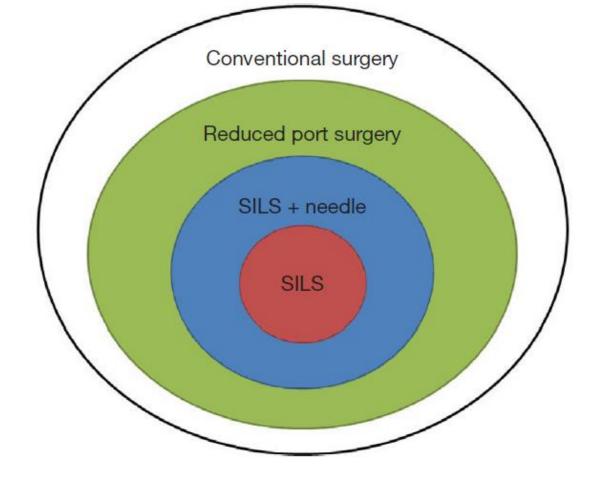


Figure 1 Concept of reduced-port surgery. SILS, single-incision laparoscopic surgery.

Inaki N, Tsuji T, Doden K, Sakimura Y, Tawara H, Matsui R, Yamamoto D, Kitamura H, Bando H, Yamada T. Reduced port laparoscopic gastrectomy for gastric cancer. Transl Gastroenterol Hepatol. 2016 May 9;1:38. doi: 10.21037/tgh.2016.04.04. PMID: 28138605; PMCID: PMC5244795.

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## Conclusions

- Laparoscopic Reduced Port Bariatric Surgery with or without liver retraction is safe and feasible in selected group of patients.
- Even the junior surgeons can perform the reduced port surgery safely with the supervision
- Reduced port surgery will help with training to perform more advanced and complex surgeries successfully and safely by MIS approach.

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### Thank you.



