

# Primary ventral Hernia

## TARUP with Hugo Ras™ surgical system.

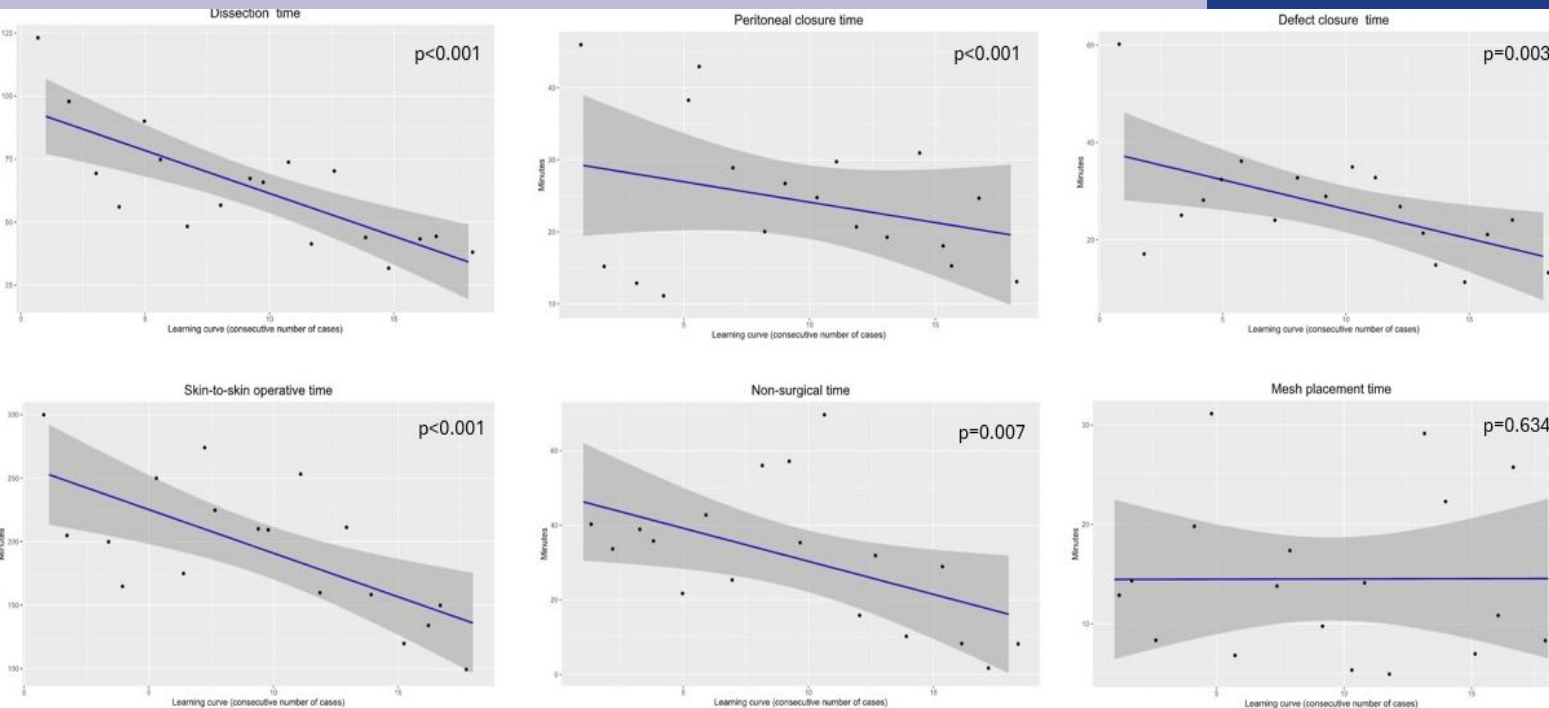
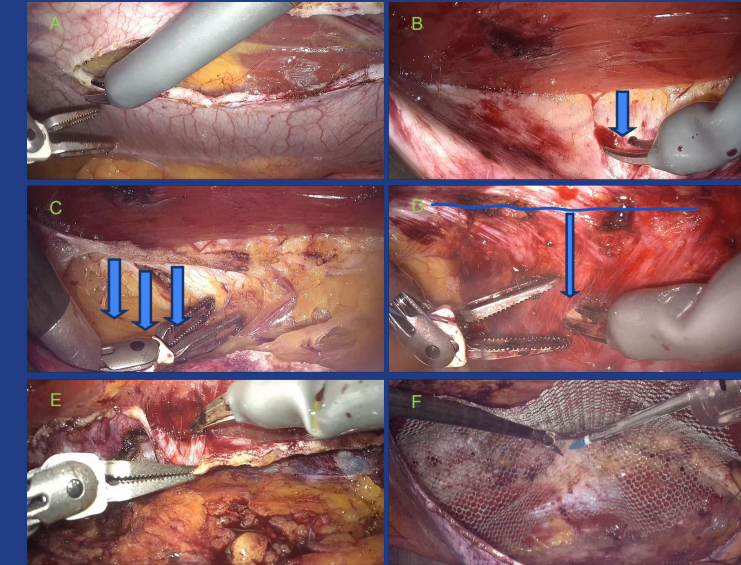
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## Single surgeon learning curve for robotic-assisted retromuscular ventral hernia repair with Hugo Ras™ surgical system.

From September 2024 to December 2024 consecutive patients undergoing robotic assisted transabdominal retromuscular umbilical prosthetic repair (r-TARUP) using the HugoRas™ platform

**Non-surgical time** (tertile 1: 35 min (7) versus tertile 3 : 14 min (12),  $p=0.001$ ) and **Peritoneal closure time** (tertile 1: 27 min (16) versus tertile 3 : 20 (6) min,  $p=0.001$ ) decreased significantly during the learning curve.

The decrease in operative time during the adoption of r-TARUP with the HugoRas™ platform was related to the improved efficiency in the **dissection phase** and **peritoneal closure phase**



Mean (SD) in minutes	Overall	Tertile 1	Tertile 2	Tertile 3	p value
Skin-to-skin operating time	194 (54)	215 (50)	221 (39)	145 (38)	0.665
Non-surgical time	31 (18)	35 (7)	43 (21)	14 (12)	<b>0.001</b>
Console time	160 (51)	197 (48)	168 (39)	114 (31)	0.648
Dissection time	63 (23)	85 (23)	58 (12)	45 (13)	0.180
Defect closure time	26 (11)	33 (14)	30 (4)	17 (5)	0.151
Mesh placement time	14 (8)	15 (8)	10 (5)	17 (9)	0.136
Peritoneal closure time	24 (10)	27 (16)	25 (4)	20 (6)	<b>0.001</b>