Correction to: Minimally invasive robotic-assisted combined colorectal and liver excision surgery: feasibility, safety and surgical technique in a pilot series

Graziano Ceccarelli^{1,2} · Aldo Rocca^{2,3} · Michele De Rosa¹ · Andrea Fontani² · Fabio Ermili¹ · Enrico Andolfi² · Walter Bugiantella¹ · Giovanni Battista Levi Sandri⁴

Published online: 10 May 2021
© Italian Society of Surgery (SIC) 2021

Correction to: Updates in Surgery
<https://doi.org/10.1007/s13304-021-01009-3>

After publication of the article we found several mistakes in the figures and tables. The corrected Figs. 1, 2, 3 and Tables 1, 2, 3, 4, 5 are given below.

The original article has been updated.

Publisher's Note Springer Nature remains neutral with regard to jurisdictional claims in published maps and institutional affiliations.

The original article can be found online at <https://doi.org/10.1007/s13304-021-01009-3>.

✉ Graziano Ceccarelli
grazianoceccarelli1967@gmail.com

¹ General and Robotic Surgery Department, San Giovanni Battista Hospital, Foligno, Perugia, Italy

² San Donato Hospital, General and Robotic Surgery Unit, Arezzo, Italy

³ Department of Medicine and Health Sciences “V. Tiberio”, University of Molise, Via Francesco de Sanctis, 1, 86100 Campobasso, Italy

⁴ Division of General Surgery and Liver Transplantation, Polo Ospedaliero Interaziendale Trapianti (POIT), San Camillo-Forlanini Hospital, Rome, Italy

Fig. 1 The docking and trocar placement of the two most frequent scenarios. **a** Right colon and liver resection, **b** left sided/rectal colon cancer and liver resection

Fig. 2 **a** Anatomical location of liver nodules resected. Segment IV is represented as IVa and IVb. The Nodules in the unfavourable segments liver are highlighted. **b** Colorectal tumor distribution

Fig. 3 Kaplan–Meir curve of the overall survival

Table 1 Patients characteristics

Gender	
Male	18
Female	10
Age	65 [54–73]
BMI	27.5 [15–43]
ASA	2 (1–3)
Type of liver resection	
Wedge	20
Segmentectomy	5
Left lateral sectionectomy	1
Right bi segmentectomy	1
Left hepatectomy	1
Type of colon resection	
Right hemicolectomy	9 (1 laparoscopic)
Left hemicolectomy	7 (2 laparoscopic)
Rectal anterior resection	10
Hartmann procedure	1 (laparoscopic)
MILES procedure	1
Specimen extraction site	
Pfannenstiel	17
Ombelical trocar	7
Suprapubic mini-laparotomy	4

Data are expressed in median, IQR

Table 2 Perioperative data according to Clavien–Dindo classification

Age	BMI	ASA	CLAVIEN
75	24.91	1	1
31	19.59	1	3b
51	31.31	1	1
39	29.11	1	1
53	40.83	1	1
39	21.60	1	3b
66	23.62	2	1
83	26.60	2	1
70	29.4	2	1
55	27.73	2	2
54	23.12	2	1
85	25.00	2	1
77	29	2	2
64	24.00	2	1
68	30.38	2	1
63	27.77	2	1
70	25.6	2	1
59	26.70	2	1
63	27.40	2	1
63	31.00	3	3a
80	27.50	3	1
63	31.50	3	1
80	25.60	3	1
69	43.00	3	2
56	29.00	3	1
53	15.77	3	1
77	28.65	3	1–2
66	25.24	3	4b
72	23.52	3	2

Table 3 Operative data are expressed in median and IQR

Operation time (min)	332 [280–385]
Blood loss (cc)	143 [50–600]
Pringle manouvre	9/28
Conversion	2
Complication grade according to Clavien–Dindo classification	
I–II	24
IIIa	1
IIIb	2
IV	1
Mortality	0
Length of stay (days)	8 [7–13]

Table 4 Tumor characteristics

Nodule diameter	24.8 [7–66]
Radicality	
R0	27
R1	1
TNM	
T1	1
T2	1
T3	24
T4	1

Nodule diameter is expressed in mm

Table 5 Anterior rectal resections details

Primary resection	Liver resection	Pathological finding	TNM	Duration
Anterior rectal resection + adhesiolysis	Wedge resection VIIS	Upper rectal adenocarcinoma	PT3N1MXG2	310
Anterior rectal resection	Wedge resection III	Upper rectal adenocarcinoma	T3 N1B M1 G3	270'
Anterior rectal resection	Wedge resection IVA, V, VI, VIIS	Upper rectal adenocarcinoma	T3N2M1 G3	540'
Anterior rectal resection	Wedge resection III	Rectal adenocarcinoma	TXN0MX	420'
Anterior rectal resection	Wedge resection VI–VII	Rectal adenocarcinoma	T3N2M1G3	420'
Miles resection + colectomy	Wedge resection VI + III	Rectal adenocarcinoma	PT3N2AM1 G2	310
Anterior rectal resection	Wedge resection IV	Rectal adenocarcinoma	T4BN0M1 G3	335'
Laparoscopic Hartmann resection	Wedge III	Rectal adenocarcinoma	T3N1BM1A G2	285'
Anterior rectal resection + colectomy	Wedge resection I, VI, IV B	Rectal adenocarcinoma	T3N1BM1A G3	345'
Anterior rectal resection + colectomy	Segmentectomy VI	Rectal adenocarcinoma	PT3N2BM1 G2-3	380
Anterior rectal resection + colectomy	Subsegmentectomy VS	Rectal adenocarcinoma	PT3N1AM1G2	370
Anterior rectal resection	Wedge resection IIIS + VS	Rectal adenocarcinoma	T3N2M1 G3	400