

Supplementary Materials:

Table S1. Forty anatomical peritoneal regions grouped in supra-, and infracolic visceral, and parietal peritoneum based on [1] and their rearrangement into 13 Peritoneal Cancer Index (PCI) regions shown in *(brackets)* based on [2].

No.	Supracolic peritoneum, visceral area	Supracolic peritoneum, parietal area	Infracolic peritoneum, visceral area	Infracolic peritoneum, parietal area
1	Liver (1: Right upper)	Right diaphragmatic wall (1: Right upper)	Mesentery (9-12: Upper/Lower jejunum, Upper/Lower ileum)	Right antero-lateral infraumbilical wall (0: Central)
2	Gastrocolic ligament (0: Central)	Left diaphragmatic wall (3: Left upper)	Jejunum-ileum (9-12: Upper/Lower jejunum, Upper/Lower Ileum)	Left antero-lateral infraumbilical wall (0: Central)
3	Stomach (3: Left upper)	Right antero-lateral supraumbilical wall (0: Central)	Greater omentum (0: Central)	Left dorsal infracolic parietal wall (4: Left flank)
4	Spleen (3: Left upper)	Left antero-lateral supraumbilical wall (0: Central)	Sigmoid colon (5: Left lower)	Right dorsal infracolic parietal wall (8: Right flank)
5	Transverse mesocolon: superior layer (0: Central)	Right dorsal supracolic parietal wall (1: Right upper)	Transverse colon (0: Central)	Left lateral pelvic wall (5: Left lower)
6	Lesser omentum (2: Epigastrium)	Left dorsal supracolic parietal wall (3: Left upper)	Transverse mesocolon: inferior layer (0: Central)	Right lateral pelvic wall (7: Right lower)
7	Falciform ligament (2: Epigastrium)		Caecum v. appendix ascending colon (8: Right flank)	
8	Pancreas (0: Central)		Sigmoid mesocolon (5: Left lower)	
9	Gastrosplenic ligament (3: Left upper)		Uterus and broad ligaments (6: Pelvis)	
10	Teres ligament (2: Epigastrium)		Rectum (6: Pelvis)	
11	Duodenum (1: Right upper)		Descending colon (4: Left flank)	
12	Left triangular ligament (2: Epigastrium)		Urinary bladder (6: Pelvis)	
13	Gall bladder (1: Right upper)			
14	Lienorenal ligament (3: Left upper)			
15	Right triangular ligament (1: Right upper)			
16	Abdominal esophagus			

(3: Left upper)

Table S2. Peritoneal surface area (cm²) before and after cytoreductive surgery in all 13 Peritoneal Cancer Index (PCI) regions. Data of all procedures are shown as mean \pm SD and range (minimum [min] and maximum [max]).

Region	Peritoneal surface area before cytoreductive surgery				Peritoneal surface area after cytoreductive surgery			
	<i>mean</i>	<i>SD</i>	<i>min</i>	<i>max</i>	<i>mean</i>	<i>SD</i>	<i>min</i>	<i>max</i>
Central	3,163	332	2,386	3,163	1,646	755	62	1,646
Right Upper	2,219	232	1,673	2,219	1,995	440	928	1,995
Epigastrium	939	99	708	939	447	185	0	447
Left Upper	1,723	181	1,299	1,723	1,562	341	474	1,562
Left Flank	549	57	414	549	288	240	4	288
Left Lower	1,128	118	851	1,128	292	487	0	292
Pelvis	605	64	456	605	345	193	5	345
Right Lower	337	35	254	337	118	129	0	118
Right Flank	650	68	490	650	305	300	0	305
Upper Jejunum	1,825	191	1,376	1,825	1,812	179	1,376	1,812
Lower Jejunum	1,825	191	1,376	1,825	1,804	171	1,376	1,804
Upper Ileum	1,825	191	1,376	1,825	1,667	515	0	1,667
Lower Ileum	1,825	191	1,376	1,825	1,399	646	0	1,399

Table S3. Resected peritoneal surface area in cm² in all 13 Peritoneal Cancer Index (PCI) regions. Data of all patients are shown as mean \pm SD and range (minimum [min] and maximum [max]).

Region	mean	SD	min	max
Central	1,517	737	691	1,517
Right Upper	223	351	0	223
Epigastrium	492	209	0	492
Left Upper	161	292	0	161
Left Flank	260	244	0	260
Left Lower	836	512	0	836
Pelvis	259	187	0	259
Right Lower	218	141	0	218
Right Flank	345	306	0	345
Upper Jejunum	13	32	0	13
Lower Jejunum	21	58	0	21
Upper Ileum	158	507	0	158
Lower Ileum	425	649	0	425

References

1. Albanese, A.M.; Albanese, E.F.; Mino, J.H.; Gomez, E.; Gomez, M.; Zandomeni, M.; and Merlo, A.B. Peritoneal surface area: measurements of 40 structures covered by peritoneum: correlation between total peritoneal surface area and the surface calculated by formulas. *Surg Radiol Anat* **2009**, 31(5), p. 369-377.
2. Jacquet, P. and Sugarbaker, P.H. Clinical research methodologies in diagnosis and staging of patients with peritoneal carcinomatosis. *Cancer Treat Res* **1996**, 82, p. 359-374.