

**Supplementary table S1.** Changes in body composition from time of diagnosis to surgery

	<b>Diagnosis</b>	<b>At surgery</b>	<b><i>p</i> value</b>
<b>Total body fat mass (kg)</b>	23.03 ± 4.9	24.44 ± 7.75	>0.99
<b>Total body fat free mass (kg)</b>	52.27 ± 10.9	49.11 ± 10.54	0.0078
<b>Visceral fat area (cm<sup>2</sup>)</b>	157.1 ± 123.5	148.7 ± 119.3	0.21
<b>Subcutaneous fat area (cm<sup>2</sup>)</b>	163.5 ± 71.99	167.5 ± 100.7	>0.99
<b>Skeletal muscle (cm<sup>2</sup>)</b>	154 ± 36.34	143.5 ± 35.15	0.0078
<b>Intermuscular fat (cm<sup>2</sup>)</b>	11.69 ± 7.22	9.24 ± 3.67	0.68

Statistics performed on n=8 patients that received neoadjuvant treatment. Intermuscular fat (cm<sup>2</sup>) only available for 7 patients.

**Supplementary table S2. Patient Characteristics**

<b>n=12</b>		<b>Percent (%)</b>	
<b>Age</b>	Mean $\pm$ SD Range	65.6 $\pm$ 11.8 46-83	
<b>Gender</b>	Male (n)	9	75
	Female (n)	3	25
<b>Obesity status (pre-treatment)<sup>a</sup></b>	Non-obese	7	58.33
	Obese (n)	5	41.67
<b>Cancer</b>	Oesophageal adenocarcinoma (OAC) (n)	6	50
	Oesophageal gastric junction (n)	6	50
<b>T stage</b>	T0 (n)	1	8.33
	T1 (n)	1	8.33
	T1a (n)	1	8.33
	T1b (n)	2	16.67
	T2 (n)	1	8.33
	T3 (n)	5	41.67
	T4b (n)	1	8.33
<b>N stage</b>	N0 (n)	6	50
	N1 (n)	5	41.67
	N2 (n)	1	8.33
<b>M stage</b>	Mx (n)	12	100
<b>Stage of differentiation<sup>b</sup></b>	Moderate (n)	4	33.33
	Moderate to poor (n)	1	8.33
	Poor (n)	6	50
<b>Treatment received</b>	Surgery only (n)	4	33.33
	FLOT + Surgery (n)	3	25
	FOLFOX + Surgery (n)	1	8.33
	CROSS + Surgery (n)	4	33.33
<b>TRG<sup>c</sup></b>	1 (n)	1	12.5
	2 (n)	1	12.5
	3 (n)	4	50
	4 (n)	2	25

<sup>a</sup> Obesity status determined at diagnosis by CT defined as visceral fat area >80.1 cm<sup>2</sup> for females and 163.8 cm<sup>2</sup> for males

<sup>b</sup> Stage of differentiation unavailable for one patient

<sup>c</sup> TRG available for 8 patients. Expressed as a % of patients with a TRG