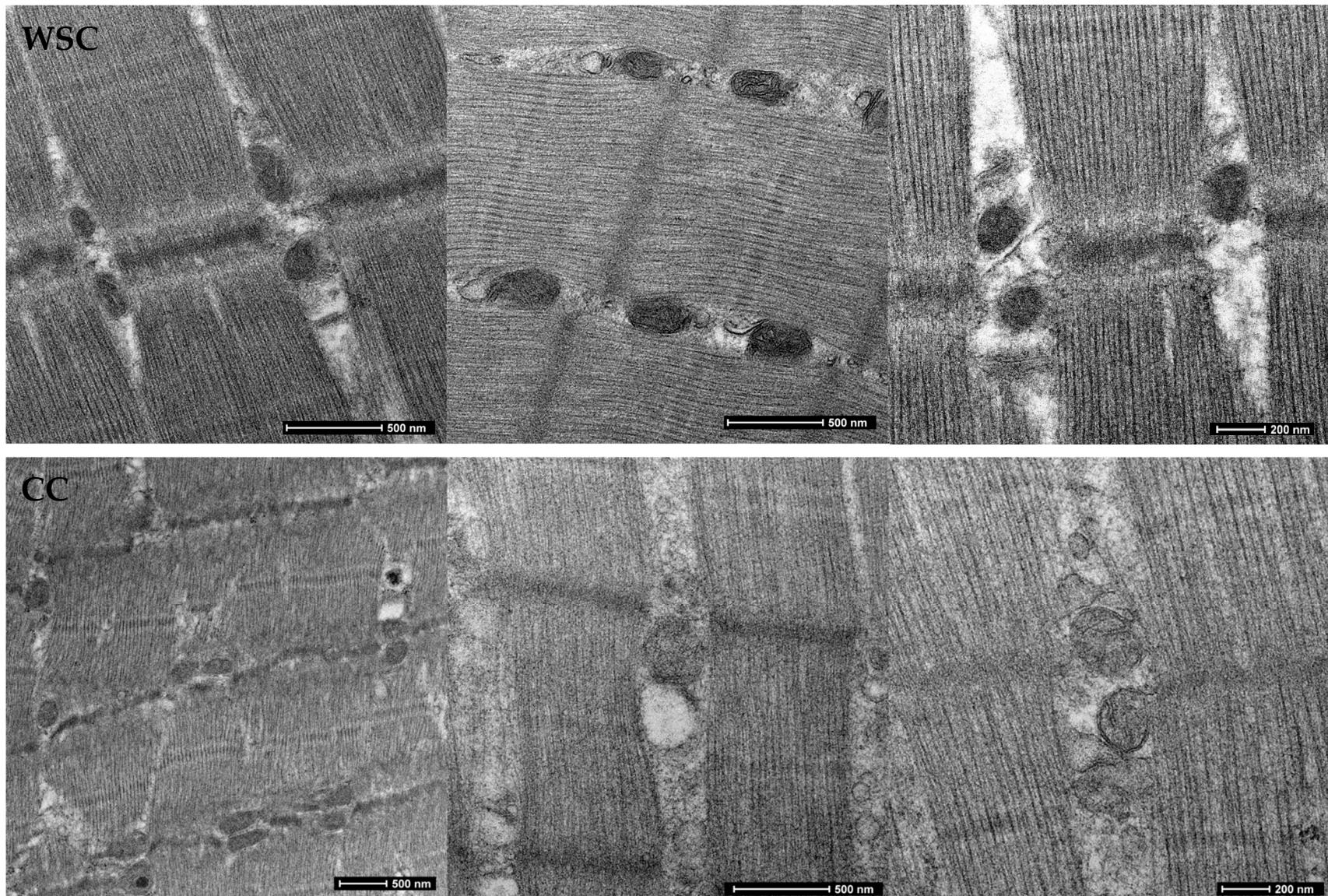




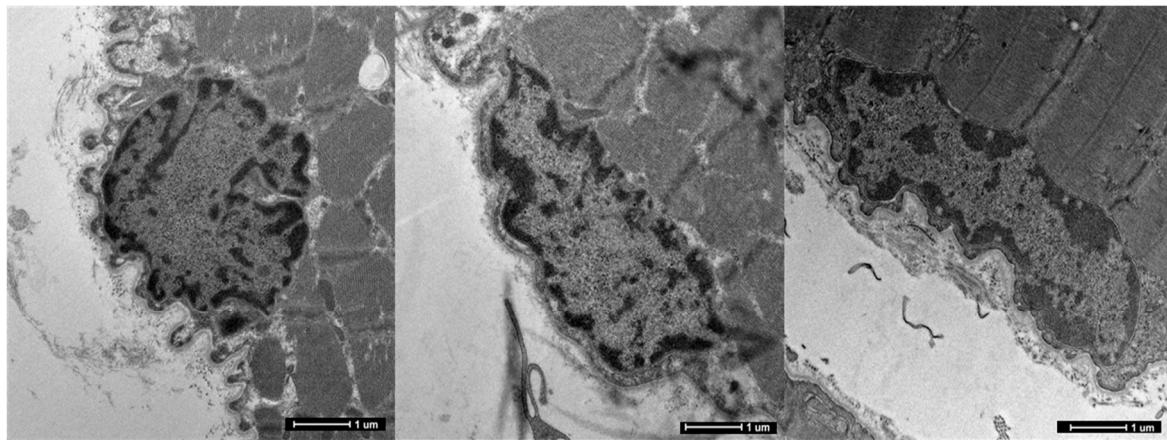
**Table S2.** Analyses performed in each patient of Cachectic Cancer Group (CC).

	Haemoglobin	Serum C reactive	Serum albumin	Serum glucose	Serum triacylglycer	Serum total	Serum LDL	Serum HDL	Mitochondrial area	Fis1	MFN2	TFAM	PGC-1α	Mitochondrial copy	LC3II	LC3I	p62	ATG7	ATG5	JNK	AKT	BCl2	p53	Caspase 8	Caspase 9	
1 CC	x	x	x	x	x	x	x	x		x	x	x	x						x	x	x	x	x	x		
2 CC	x	x	x	x	x	x	x	x		x	x	x	x						x	x	x	x	x	x		
3 CC	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x	x	x								
4 CC	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		
5 CC	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		
6 CC	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		
7 CC	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		
8 CC	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		
9 CC	x	x	x	x	x	x	x	x						x	x	x	x	x	x	x	x	x	x	x	x	
10 CC	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		
11 CC	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		
12 CC	x	x	x	x	x	x	x	x					x							x	x	x	x	x	x	
13 CC	x	x	x	x	x	x	x	x					x	x	x	x										
14 CC	x	x	x	x	x	x	x	x					x	x	x	x				x	x	x	x	x	x	
15 CC	x	x	x	x	x	x	x	x					x	x	x	x										
16 CC	x	x	x	x	x	x	x	x					x	x	x	x										
17 CC	x	x	x	x	x	x	x	x					x	x	x	x										
18 CC	x	x	x	x	x	x	x	x						x						x	x	x	x	x	x	
19 CC	x	x	x	x	x	x	x	x					x	x	x	x										
20 CC	x	x	x	x	x	x	x	x					x	x	x	x				x	x	x	x	x	x	
21 CC	x	x	x	x	x	x	x	x					x	x	x	x				x	x	x	x	x	x	
22 CC	x	x	x	x	x	x	x	x						x	x	x	x	x	x	x	x	x	x	x	x	
23 CC	x						x						x							x	x	x	x	x	x	x
24 CC	x	x					x						x							x	x	x	x	x	x	x

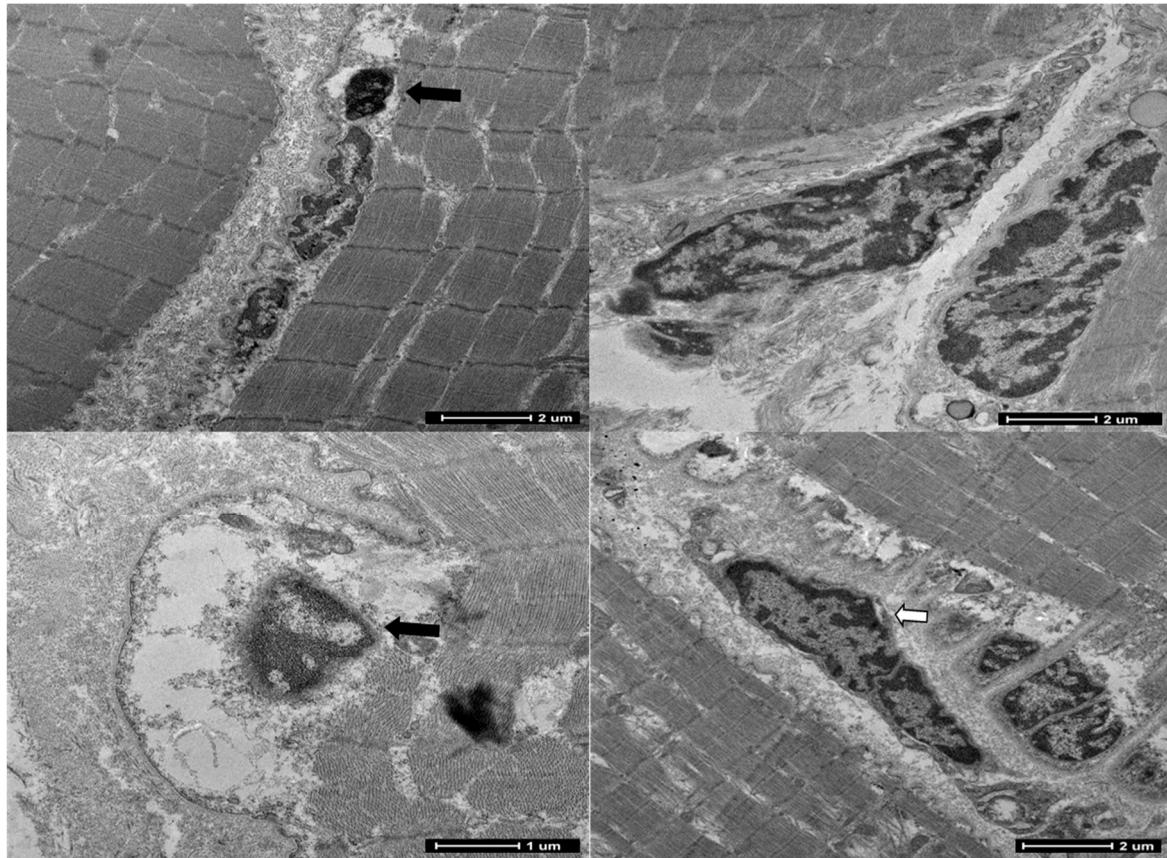


**Figure S1.** Skeletal muscle photomicrograph showing intermyofibrillar mitochondria of WSC ( $n = 3$ ) and CC ( $n = 3$ ). WSC – weight-stable cancer patients; CC – cachectic cancer.

WSC



CC



**Figure S2.** Skeletal muscle nuclei photomicrograph of WSC ( $n = 3$ ) and CC ( $n = 4$ ). Black arrows indicate apoptotic body; white arrow indicate chromatin condensation in CC patients. WSC – weight-stable cancer patients; CC – cachectic cancer patients.



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