

Supplementary data 4. Average cumulative dispensing of agents used in the treatment of inflammatory bowel disease in disease modifying medication in defined daily dose (DDD) in Norwegian patients with ulcerative colitis two years before and after first dispense of low dose naltrexone (LDN). Three groups based on number of LDN dispenses: LDN x 1 (N=54) collected LDN once, LDN x 2-3 (N=43) two or three times and LDN x 4+ (N=81) four or more times. Other immunosuppressants include azathioprine, mercaptopurine, methotrexate and tacrolimus.

Ulcerative colitis	Group	Average DDD per patient		Difference of mean		p
		Before LDN	After LDN	DDD	(95% CI)	
All outcome drugs	<i>LDN x1</i>	970.8	1026.3	55.5	-198.5 to 309.5	0.663
	<i>LDN x 2-3</i>	856.1	841.6	-14.5	-171.1 to 142.0	0.852
	<i>LDN x 4+</i>	996.0	983.7	-12.4	-169.3 to 144.6	0.876
Systemic immunosuppressants	<i>LDN x1</i>	338.1	395.6	57.6	-0,74.1 to 189.2	0.384
	<i>LDN x 2-3</i>	234.6	276.8	42.2	-34.9 to 119.3	0.275
	<i>LDN x 4+</i>	269.7	279.5	9.8	-64.2 to 83.9	0.792
Systemic glucocorticoids	<i>LDN x1</i>	180.8	159.4	-21.4	-91.8 to 48.9	0.544
	<i>LDN x 2-3</i>	129.9	136.6	6.7	-60.1 to 73.5	0.840
	<i>LDN x 4+</i>	152.1	118.6	-33.4	-83.2 to 16.3	0.185
TNF- α inhibitors	<i>LDN x1</i>	76.5	161.1	84.6	-6.8 to 175.9	0.069
	<i>LDN x 2-3</i>	55.2	93.1	38.0	-24.8 to 100.7	0.229
	<i>LDN x 4+</i>	55.8	66.8	11.0	-18.3 to 40.2	0.458
Other immunosuppressants	<i>LDN x1</i>	80.7	75.2	-5.6	-45.4 to 34.2	0.779
	<i>LDN x 2-3</i>	49.5	47.0	-2.4	-16.2 to 11.3	0.722
	<i>LDN x 4+</i>	61.8	94.1	32.3	-10.4 to 75.0	0.136
Intestinal anti-inflammatory agents	<i>LDN x1</i>	632.7	630.7	-2.1	-178.0 to 173.9	0.981
	<i>LDN x 2-3</i>	621.5	564.8	-56.8	-170.0 to 56.5	0.318
	<i>LDN x 4+</i>	726.4	704.2	-22.2	-158.6 to 114.2	0.747
Intestinal corticosteroids	<i>LDN x1</i>	31.6	37.0	5.4	-20.3 to 31.1	0.677
	<i>LDN x 2-3</i>	50.5	27.4	-23.0	-59.9 to 13.8	0.214
	<i>LDN x 4+</i>	37.1	15.6	-21.5	-55.8 to 12.8	0.215
Aminosalisylates	<i>LDN x1</i>	601.1	593.7	-7.4	-177.9 to 163.0	0.930
	<i>LDN x 2-3</i>	571.1	537.3	-33.7	-149.9 to 82.5	0.561
	<i>LDN x 4+</i>	689.3	688.6	-0.7	-122.6 to 121.3	0.991