

**SUPPLEMENTAL DIGITAL CONTENT 2: OVERVIEW OF MEAN AGE, BODY MEASUREMENTS AND  
SUBSTITUTION OF HORMONES**

	<b>Control Group</b>	<b>Lipedema St.I</b>	<b>Lipedema St.II</b>	<b>Lipedema St.III</b>
<b>Mean Age</b>	42.7years (±14.2 years SD)	39.9 years (±8.9 years SD)	43 years (±10.7 years SD)	48.2 years (±11.2 years SD)
There is no significant difference in age between control and study groups (p=0.959).				
<b>Mean BMI</b>	25.98 (±3.6 SD)	29.8 (±5.3 SD)	31.92 (±4.65 SD)	36.93 (±6.25 SD)
There is a significant difference in BMI between the control group and lipedema St. II (p= 0.0042) and lipedema St. III (p= 0.0003).				
<b>Mean Waist-to-Hip-Ratio (WHR)</b>	0.76 (±0.064 SD)	0.82 (±0.08 SD)	0.85 (±0.09 SD)	0.86 (±0.09 SD)
There is a significant difference in WHR between the control group and lipedema St. II (p= 0.025) and lipedema St. III (p=0.0122) .				
<b>Mean Waist-to-Height-Ratio (WHtR)</b>	0.46(± 0.058 SD)	0.51 (±0.069 SD)	0.57(±0.07 SD)	0.65 (±0.096 SD)
There is a significant difference in WHtR between the control group and lipedema St. II (p= 0.0022) and lipedema St. III (p=0.0001). Further a significant difference between lipedema St. I and St. II (p=0.0246) as well as St. II and St. III (p= 0.0122) could be detected.				
<b>Mean Substitution of hormonal contraceptives</b>	8.3(±5.07 years SD)	11.55 years (±7.38 years SD)	11.08 (±7.57 years SD)	15.41 (±8.49 years SD)

The difference of hormonal substitution between St.III and the control group is statistically significant ( $p=0.0463$ )