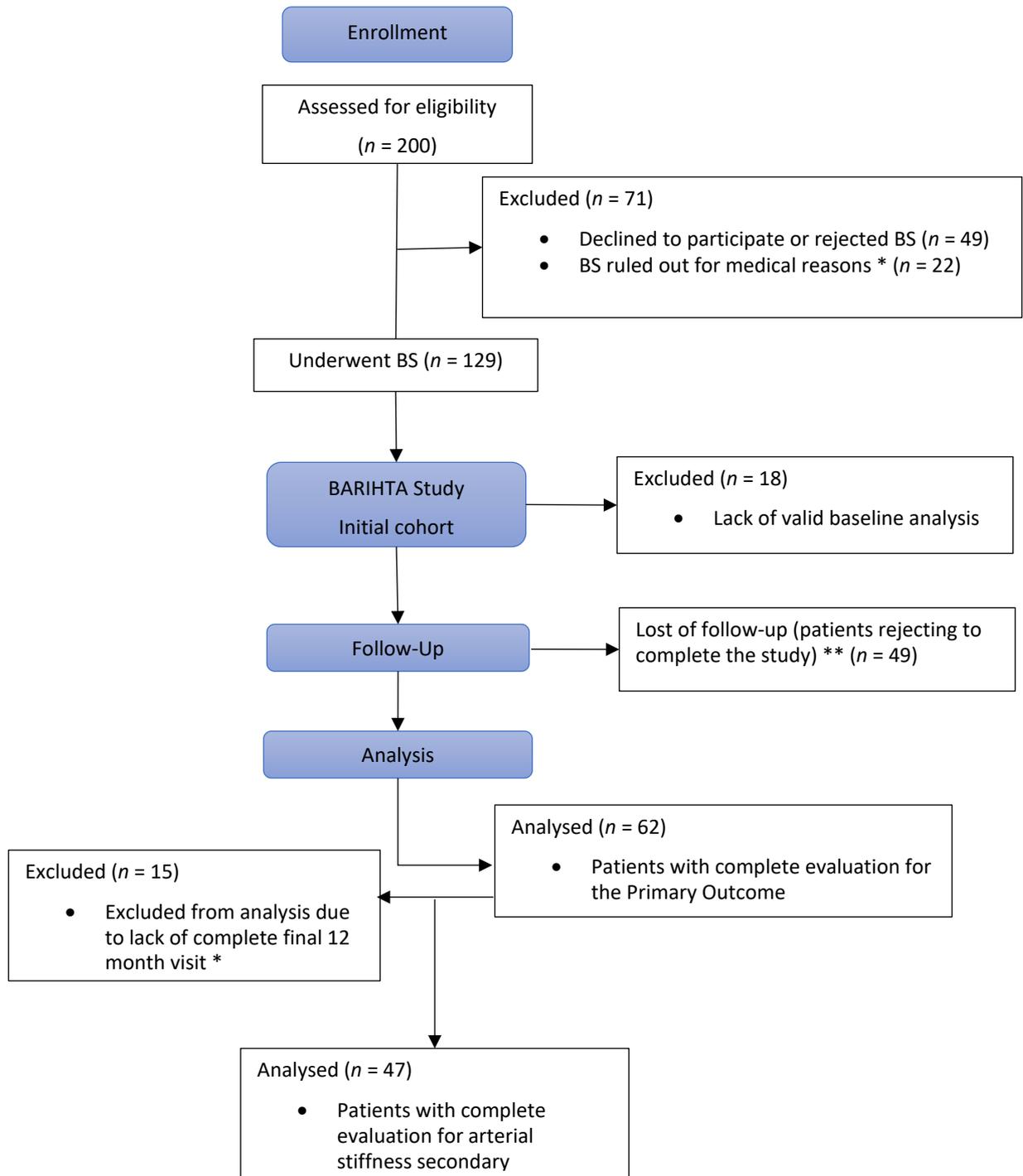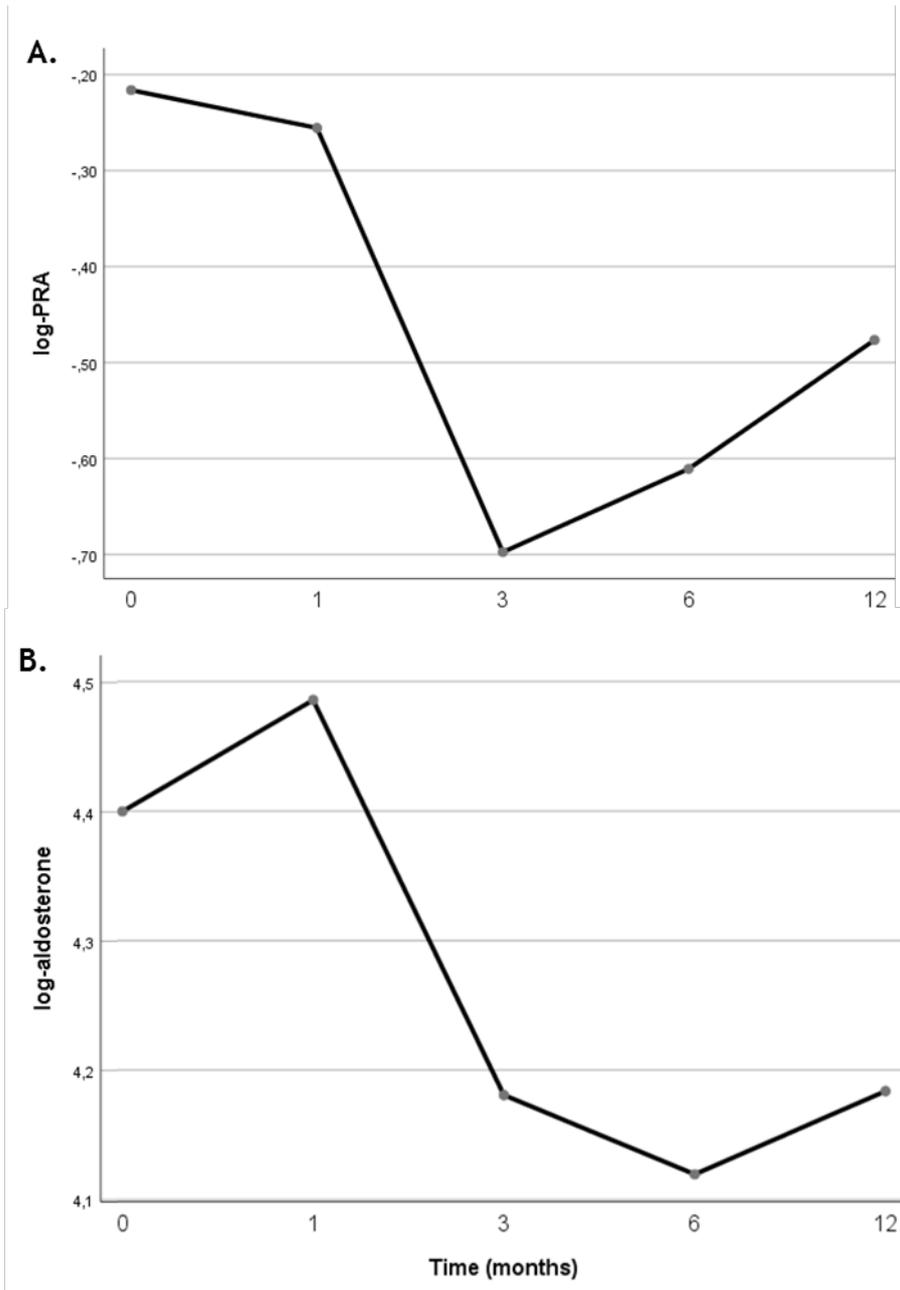# SUPPLEMENTARY MATERIALS

Supplementary Table S1. Changes in anthropometric, blood pressure and arterial stiffness parameters one-month after bariatric surgery according to the type of surgery.

Parameter	Roux-en-Y gastric Bypass (n = 27)			Sleeve Gastrectomy (n = 20)			*p* Between Groups
	Baseline Mean ± SD	1 month Mean ± SD	*p*	Baseline Mean ± SD	1 month Mean ± SD	*p*	
Anthropometric parameters							
Body weight, kg	117.4±15.8	104.2± 13.6	**<0.001**	119.1± 24.1	105.0±15.2	**<0.001**	0.448
Waist circumference, cm	130.9 ± 8.2	122.9 ± 7.1	**<0.001**	132.4 ± 13.7	121.7 ± 13.6	**<0.001**	0.106
Arterial stiffness							
24h-PP, mmHg	45.1 ± 6.5	42.7 ± 7.3	**0.047**	49.8 ± 7.7	46.2 ± 6.5	**0.006**	0.434
24h-PWV, m/s	6.31 ± 1.0	6.06 ± 0.92	**0.011**	6.76 ± 1.04	6.49 ± 1.02	**<0.001**	0.818
AIx@75, %	25.1± 6.1	21.7 ± 7.0	**0.004**	26.8 ± 8.9	24.0 ± 7.3	**0.052**	0.723
Blood pressure and other hemodynamic parameters							
24h-SBP, mmHg	119.0 ± 11.3	113.5 ± 11.1	**0.005**	122.8±13.6	115.5 ± 8.2	**<0.001**	0.455
24h-DBP, mmHg	73.9 ± 9.1	70.7 ± 8.5	**0.006**	73.1 ± 7.8	69.4 ± 3.9	**0.009**	0.759
24h-HR, bpm	73.1 ± 7.7	66.9 ± 7.6	**<0.001**	73.4 ± 9.2	66.6 ± 8.2	**<0.001**	0.491
Cardiac output	4.6 ± 0.6	4.5 ± 0.5	0.057	4.7 ± 0.6	4.5 ± 0.5	**0.001**	0.637

AIx@75 = augmentation index at 75 beats/minute; **DBP** = diastolic blood pressure; **HR** = heart rate; **PP** = pulse pressure; **PWV** = pulse-wave velocity; **SBP** = systolic blood pressure.

Supplementary Figure S1. Flowchart for participants in the BARIHTA Study. BS = Bariatric surgery. * None of them was excluded because of heart failure or other cardiac disease. ** Most patients rejected to complete the study because of complains about wearing the 24h-Mobile-O-Graph device or due to work reasons (having achieved work reinsertion after losing weight)

Supplementary Figure S2. (A) Variation of plasma renin activity (log-transformed) levels at fol-low-up. **(B)** Variation of plasma aldosterone (log-transformed) concentration at follow-up. **log =** log-transformed; **PRA** = plasma renin activity