

Supplementary Table 2. Serum androgen levels using LC-ESI-MS/MS method coupled with Girard-T derivatization for keto-androgen quantitation or picolinic acid derivatization (bold highlight) for hydroxy-androgen quantitation from patients in treatment group 1 (12-week AA).

Patients: 12-week AA		Androgen (ng/dL)							
		T		DHEA		DHT		AST	
		Girard-T	Picolinic acid	Girard-T	Picolinic acid	Girard-T	Picolinic acid	Girard-T	Picolinic acid
1	Day 1	279.8	235.5	593.0	391.6	46.1	36.6	61.6	35.6
	Week 12	17.2	18.5	331.6	330.2	6.4	10.4	56.8	22.0
	Week 24	10.8	< 1.0	40.3	43.0	9.3	< 1.0	0.0	< 1.0
2	Day 1	899.2	691.2	422.5	239.8	89.5	71.1	23.7	17.5
	Week 12	18.5	14.4	198.2	217.6	8.8	3.1	0.0	5.0
	Week 24	0.0 ¹	< 1.0²	0.0	4.5	0.0	< 1.0	0.0	< 1.0
3	Day 1	399.1	309.6	232.8	125.6	18.2	27.7	12.6	9.7
	Week 12	15.5	4.7	118.7	108.1	0.0	< 1.0	0.0	2.7
	Week 24	0.0	< 1.0	0.0	< 1.0	0.0	< 1.0	0.0	< 1.0
4	Day 1	305.6	366.3	170.0	177.3	23.7	32.4	6.2	17.8
	Week 12	17.1	12.6	220.4	184.6	11.8	< 1.0	7.8	5.5
	Week 24	0.0	< 1.0	0.0	< 1.0	0.0	< 1.0	0.0	< 1.0

	Day 1	371.4	228.5	433.2	183.4	25.3	21.1	43.1	19.8
5	Week 12	16.3	10.2	139.3	180.7	9.2	< 2.5 ³	7.3	10.4
	Week 24	0.0	< 1.0	0.0	< 1.0	0.0	< 1.0	0.0	< 1.0
	Day 1	281.8	304.9	239.4	169.9	44.0	25.1	18.0	17.9
6	Week 12	15.3	6.5	234.6	176.7	10.3	< 2.5	6.3	8.2
	Week 24	0.0	< 1.0	0.0	< 1.0	0.0	< 1.0	0.0	< 1.0
	Day 1	169.4	213.9	199.1	154.6	8.3	18.7	7.8	4.9
7	Week 12	17.2	11.6	420.6	390.8	7.2	< 2.5	8.5	6.7
	Week 24	0.0	< 1.0	0.0	< 1.0	0.0	< 1.0	0.0	< 1.0

1. 0.0 in the column of Girard-T: less than limit of detection (LOD) based on Girard-T derivatization method for keto-androgen quantitation
2. < 1.0 in the column of Picolinic acid: less than LOD (1.0 ng/dL) based on picolinic derivatization method for hydroxy-androgen quantitation
3. < 2.5 in the column of Picolinic acid: less than LOQ (2.5 ng/dL) based on picolinic derivatization method for hydroxy-androgen quantitation
4. AA: abiraterone acetate; TX1: treatment group 1 (LHRHa plus 12-week AA and prednisone); T: testosterone; DHEA: dehydroepiandrosterone; DHT: 5 α -dihydrotestosterone; AST: androsterone.