

Supplementary Table 1: Basic characteristics of 40 patients with MAA

Items	Group S	Group M	Group F	Group MF
Age (years)	36.40±8.19	35.30±8.81	35.10±7.26	36.90±7.53
Duration of hair loss (years)	4.30±2.90	4.40±2.22	4.10±1.85	3.70±1.83
Hamilton-Norwood classification (<i>n</i>)				
II	2	3	3	2
III	3	2	1	2
IV	3	2	3	3
V	2	2	2	2
VI	0	1	1	1
Previous treatment (<i>n</i>)				
Never treated	3	6	4	5
Minoxidil	3	2	3	2
Propecia	2	1	2	1
Traditional Chinese medicine	2	1	1	2

Groups S, M, F, and MF were administered saline, 5% topical minoxidil solution, FGF; and a combination of 5% topical minoxidil and FGF, respectively, for 16 weeks. MAA: Male androgenic alopecia; FGF: Fibroblast growth factors.

Supplementary Table 2: Hair density among groups at baseline and after 16-week treatment (cm²)

Time	Group S	Group M	Group F	Group MF	P value among groups
Baseline	105.27±16.66	104.12±30.54	91.53±37.98	100.92±27.79	0.716
16 weeks	105.41±11.97	129.07±27.52	118.88±41.41	155.01±24.64	0.003 [†]
<i>P</i> value	0.951	0.003*	0.002*	0.001*	

Data are expressed as mean ± standard deviation (SD). *P* <0.05 was considered statistically significant. *Paired *t*-test was applied to analyze hair density at baseline and after 16 weeks. [†] One-Way ANOVA and LSD test were applied to analyze the difference of hair density among groups.

Supplementary Table 3: Hair diameter among groups at baseline and after 16-week treatment (μm)

Time	Group S	Group M	Group F	Group MF	<i>P</i> value among groups
Baseline	67.00±10.59	70.00±16.33	56.00±11.74	63.00±16.36	0.152
16 weeks	68.00±13.98	77.00±13.37	61.00±16.63	70.00±15.63	0.141
<i>P</i> value	0.678	0.025*	0.213	0.010*	

Data are expressed as mean ± standard deviation (SD). * Paired *t*-test was applied to analyze hair diameter at baseline and after 16 weeks, *P* <0.05 was considered statistically significant.

Supplementary Table 4: Follicular unit density among groups at baseline and after 16-week treatment (/cm²)

Time	Group S	Group M	Group F	Group MF	<i>P</i> value among groups
Baseline	118.64±23.72	130.27±36.34	109.20±32.80	109.93±19.80	0.342
16 weeks	120.10±22.63	137.83±27.71	139.95±24.48	130.02±15.65	0.225
<i>P</i> value	0.651	0.153	0.031*	0.007*	

*Paired *t*-test was applied to analyze hair follicular at baseline and after 16 weeks, *P* <0.05 was considered statistically significant.

Supplementary Table 5: Assessment of patients and investigators

Groups	Assessment of patients			Assessment of investigators		
	Worse	No change	Better	Worse	No change	Better
Group S	0	9/10	1/10	0	9/10	1/10
Group M	0	0/10	10/10	0	3/10	7/10
Group F	0	2/10	8/10	0	4/10	6/10
Group MF	0	1/10	9/10	0	2/10	8/10
<i>P</i> value	<i>P</i> >0.05 ^a		<i>P</i> <0.05 ^{*c}	<i>P</i> >0.05 ^b		<i>P</i> <0.05 ^{*d}

Kruskal-Wallis H test was used for analysis of assessment of patients and investigators between groups, *P* <0.05 was considered statistically significant. ^{a, b} There was no significant statistically difference among group M, F and MF according to assessment of patients or investigators (*P*>0.05). ^{*c, *d} There was significant statistically difference among four groups according to assessment of patients and investigators (*P* <0.05).