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Original Article

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Evaluation of the Efficacy of Potassium Iodide Preparation for Radioactive Iodine Therapy in Graves' Disease: A Retrospective Chart Review

Figure

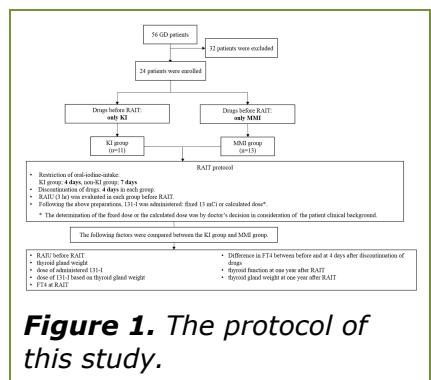


Figure 1. The protocol of this study.

Tables

Table 1. Clinical Features of KI and MMI Groups

	KI	MMI	P-value
Age (mean ± SD)	41.9 ± 11.4	39.2 ± 13.6	n.s.
Gender (male/female)	2:9	0:13	n.s.
Smoking (yes/no)	3:8	2:11	n.s.
Duration of GD treatment (median (25-75%), months	16.0 (3.0 - 52.0)	37.0 (16.5 - 58.5)	n.s.

	KI	MMI	P-value
FT4 before discontinuation of KI or MMI (median (25-75%), ng/dL)	2.11 (1.58 - 2.48)	1.21 (1.00 - 1.49)	P < 0.05
Method of RAIT (fixed dose/calculated dose)	8:3	3:10	P < 0.05
Dose of drugs before RAIT, (median (25-75%)), mg			-
MMI (n = 0:13)	-	12.5 (7.5 - 16.3)	
KI (n = 11:0)	150 (100 - 200)	-	

Table 2. Results of This Study

	KI	MMI	P-value
RAIU (median (25-75%)), %	29.9 (20.9 - 32.6)	62.9 (55.6 - 72.3)	0.0018*
Thyroid gland weight (median (25-75%)), g	24.1 (16.9 - 32.2)	32.7 (23.5 - 42.2)	0.1396
Dose of 131-I (median (25-75%)), mCi	13.0 (10.9 - 13.0)	7.5 (5.5 - 11.9)	0.0037*
Dose of 131-I based on thyroid gland weight (median (25-75%)), µCi/g	144.8 (121.8 - 176.6)	156.9 (118.7 - 193.9)	0.8393
FT4 at RAIT (median (25-75%)), ng/dL	2.25 (1.79 - 4.02)	1.47 (0.89 - 1.69)	0.0034*
Difference in FT4 between before drug discontinuation and at RAIT (median (25-75%)), ng/dL	0.54 (-0.05 - 1.70)	0.08 (-0.34 - 0.49)	0.1557
Thyroid function at 1 year after RAIT (R/non-R)	8:3	5:8	0.0932
Thyroid gland weight at 1 year after RAIT (median (25-75%)), g	5.3 (3.2 - 6.4)	8.9 (6.7 - 12.5)	0.0065*
Dose of drugs at 1 year after RAIT (median (25-75%)), mg			
MMI (n = 0:13)	-	2.5 (0 - 5)	
KI (n = 11:0)	0 (0-25)	-	