

Supplemental Table 1. Study characteristics

1 st author	Year	Retinoic acid	Dosage	Tg measurement		¹²³ I or ¹³¹ I Dose	WBS
				TSH stimulation	TSH stimulation		
Handkiewicz-Junak D [24]	2009	13-cis-retinoic acid	1.0mg/kg/day x 1 week 1.5mg/kg/day x 5 weeks	Unstimulated	rhTSH	3.70-5.55 GBq	3 days after 2 nd rhTSH injection
Zhang Y [25]	2007	all-trans-retinoic acid	1.00±0.09 mg/kg/day x 30 or 60 days	Stimulated	THW	3.7-7.4 GBq	3 days after iodine administration
Short SC [26]	2004	13-cis-retinoic acid	1.5mg/kg/day x 8 weeks	Stimulated	-		within 2 weeks of completing RA treatment
Simon D [5]	2002	13-cis-retinoic acid	1.5mg/kg/day over 5 weeks	Stimulated	THW	3-10 GBq	-
Oh SW [35]	2011	13-cis-retinoic acid	1.0mg/kg/day x 2 week 1.5mg/kg/day x 4 weeks	Stimulated	THW	5.5-16.7 GBq	3-5 days after iodine administration
Courbon F [27]	2006	13-cis-retinoic acid	0.5 mg/kg/day x 1 week 1 mg/kg/day x 1 week 1.5 mg/kg/day x 6 weeks	Unstimulated	THW	Same amount of iodine than previously given for the last irradiation	5 days after iodine administration
Coelho SM [34]	2011	13-cis-retinoic acid	1.0-1.5 mg/kg/day x 5 weeks	Unstimulated	THW	150mCi (5.55 GBq)	5-7 days after iodine administration
Boerner A [36]	2002	13-cis-retinoic acid	0.3-1 mg/kg/day x 9 months	Unstimulated	-		Pre-RA, 3, 6, 9, 12 months after starting RA
Kim WG [28]	2009	13-cis-retinoic acid	1.5mg/kg/day x 5 weeks	Stimulated	THW	7.4 GBq	7 days after iodine administration
Grünwald F[29]	1998	13-cis-retinoic acid	1.0-1.5 mg/kg/day x 2-9 months	Before RA : Stimulated After RA : Unstimulated		3.7-11.1 GBq	3-4 days after iodine administration 3-4 days after 1 st WBS
Damle N [30]	2011	all-trans-retinoic acid	1.5mg/kg/day x 1.5-18 months	Stimulated	-		-

1 st author	Year	Retinoic acid	Dosage	Tg measurement		WBS	
				TSH stimulation	TSH stimulation	¹²³ I or ¹³¹ I Dose	Scan time
Simon D [33]	1998	13-cis-retinoic acid	1.0-1.5 mg/kg/day over 5 weeks	Unstimulated	-		before, after, and during therapy
Coelho SM [31]	2004	13-cis-retinoic acid	1.0-1.5 mg/kg/day x 5 weeks	Before RA : Stimulated After RA : Unstimulated	THW	150mCi (5.55 GBq)	5-7 days after iodine administration
Grüning T [32]	2003	13-cis-retinoic acid	1.0mg/kg/day x 3 months	Unstimulated Stimulated	THW	3.2-7.8 GBq	3 days after iodine administration

Tg : thyroglobulin; TSH : thyroid-stimulating hormone; WBS : whole body scintigraphy; rhTSH : recombinant human thyroid-stimulating hormone; RA : retinoic acid; THW : thyroid hormone withdrawal;