

Suppl. Table S1. Characteristics of all 16 patients with histologically confirmed MTC that was detected by Ctn screening. *external laboratory; stimulation test: Ca=calcium glucuronate, Pg=pentagastrin; n.d.= not determined

ID	sex (f/m) age at surgery [y]	ultrasonographical appearance of the MTC	Ctn (IRMA) at primary screening [pg/ml]	Ctn (ICMA) at primary screening [pg/ml]	CEA [ng/ml]	stimulation test: Ca / Pg (Ctn peak [pg/ml])	pre-op. Ctn [pg/ml] (time since primary screening)
MTC-01	f 38	MTC could not be clearly assigned to a nodule	53.0	65.2	1.3	Ca (>2000)	45.2 (8 months)
MTC-02	f 70	bilateral hypoechoic nodules with well-defined margins up to 1.2cm, part. microcalcifications	868	821	16.6	Ca (>2000)	1156 (2 months)
MTC-03	f 45	MTC could not be clearly assigned to a nodule	19.3	31.6	3.1	Ca (612)	29.9 (1.5 months)
MTC-04	m 73	MTC could not be clearly assigned to a nodule	30.5	40.0	6.2	Ca (1616)	54.0 (1 month)
MTC-05	m 72	2.4x1.8x3.6cm isoechoic nodule with well-defined margins, small cystic internal structures, no calcifications	1132	1022	22.2	n.d.	1022 (0 months)
MTC-06	m 44	MTC could not be clearly assigned to a nodule	90.4	83.3	0.7	Ca (1363)	120 (1,5 months)
MTC-07	f 39	1.1x1.5x2.8cm hypoechoic nodule with well-defined margins	838	632	36.7	n.d.	632 (0 months)
MTC-08	f 67	0.7x1.0x1.0cm hypoechoic nodule with well-defined margins	280	268	5.4	Pg (5347)	268 (1 month)
MTC-09	f 29	0.7x0.5x0.9cm hypoechoic nodule with well-defined margins, without calcifications	14.6	n.d.	4.2	Ca (>2000)	71.6 (5 years, 1 month)
MTC-10	m 47	1.1x0.9x1.1cm hypoechoic nodule with well-defined margins	227	81.1	1.5	Ca (459)	108 (1 month)
MTC-11	f 47	MTC could not be clearly assigned to a nodule	31.9	n.d.	n.d.	Pg (1189)	28.0 (2 months)
MTC-12	f 78	0.9x0.5x0.9cm hypoechoic nodule with well-defined margins and microcalcifications	128	92	3	Ca (>2000)	126 (1.5 months)
MTC-13	m 77	MTC could not be clearly assigned to a nodule	49.4	41.2	4.1	Ca (1517)	48.4 (1 month)
MTC-14	m 72	1.4x1.4x2.3cm hypoechoic nodule with well-defined margins, small cystic structures, micro- and macrocalcifications	291	266	7.9	Ca (>2000)	345 (1 month)
MTC-15	f 76	2.1x2.6x1.3cm hypoechoic nodule with macrocalcifications and cystic structures	1276	1312	42.2	n.d.	1312 (0 months)
MTC-16	f 64	MTC could not be clearly assigned to a nodule	10.1	n.d.	n.d.	Ca (>2000)	25.1 (3 years 9 months)