

Table S1 Clinical data and nomogram scores for patients with VCP in training, internal and external cohort.

Data base	Age	Neck Surgery	Hoarseness	Size	Suspicious Lymph node Metastasis	Nomogram	Cutoff*
Union hospital*	51	Yes	Yes	8.2	Yes	263.1766667	1*
Union hospital	47	Yes	Yes	6.1	Yes	256.9272222	1
Union hospital	71	No	Yes	66.3	No	241.4038889	1
Union hospital	45	Yes	No	64	Yes	215.7	1
Union hospital	58	Yes	No	45.8	Yes	209.7344444	1
Union hospital	83	No	Yes	24.2	No	209.3322222	1
Union hospital	25	No	Yes	26.4	Yes	185.9977778	1
Union hospital	45	Yes	No	35.3	Yes	185.565	1
Union hospital	51	Yes	No	28.8	Yes	184.8066667	1
Union hospital	71	Yes	No	4.7	Yes	179.7238889	1
Union hospital	60	Yes	No	12.3	Yes	176.5816667	1
Union hospital	43	Yes	No	27.8	Yes	175.6677778	1
Union hospital	57	Yes	No	10.2	Yes	171.3433333	1
Union hospital	57	Yes	No	36.3	No	165.7483333	1
Union hospital	76	No	No	50.6	Yes	162.9744444	1
Union hospital	41	Yes	No	13.8	Yes	158.9455556	1
Union hospital	66	No	No	49.8	Yes	152.0233333	1
Union hospital	44	Yes	No	35.4	No	151.6588889	1
Union hospital	28	Yes	No	18.9	Yes	151.1561111	1
Union hospital	37	Yes	No	6.4	Yes	147.1311111	1
Union hospital	25	Yes	No	38.1	No	135.2827778	1
Union hospital	53	Yes	No	11	No	135.1388889	1
Union hospital	58	Yes	No	5.6	No	134.5244444	1
Union hospital	62	No	No	35.1	Yes	132.5438889	1
Union hospital	52	Yes	No	5.1	No	127.9327778	1
Union hospital	41	Yes	No	15.6	No	127.8355556	1
Union hospital	62	No	No	22	Yes	118.7888889	1
Union hospital	63	No	No	15.7	Yes	113.185	1
Union hospital	53	No	No	21.8	Yes	109.4788889	1
Union hospital	51	No	No	19.8	Yes	105.3566667	1
Union hospital	52	No	No	16.2	Yes	102.5877778	1
Union hospital	28	No	No	38.9	Yes	102.1561111	1
Union hospital	47	No	No	17.9	Yes	99.3172222	1
Union hospital	42	No	No	54	No	99.1666667	1
Union hospital	59	No	No	35.4	No	96.8255556	1
Union hospital	43	No	No	18	Yes	95.3777778	1
Union hospital	44	No	No	15.5	Yes	93.7638889	0*
Union hospital	36	No	No	16.5	Yes	86.725	0
Union hospital	44	No	No	8.6	Yes	86.5188889	0
Union hospital	50	No	No	32.7	No	84.8905556	0
Union hospital	58	No	No	11.9	No	71.1394444	0
Union hospital	53	No	No	13.6	No	67.8688889	0
Union hospital	62	No	No	4.9	No	67.8338889	0
Union hospital	27	No	No	35.5	No	64.575	0
Union hospital	24	No	No	37.5	No	63.6416667	0
Union hospital	54	No	No	6.9	No	61.845	0
Union hospital	45	No	No	7.4	No	53.27	0
Union hospital	46	No	No	4.4	No	51.1311111	0
DTCC*	85	No	Yes	3.59	No	223.6394444	1
DTCC	60	No	Yes	2.84	Yes	223.4866667	1
DTCC	51	No	Yes	3.6	Yes	222.3666667	1
DTCC	68	No	Yes	5	No	221.2555556	1
DTCC	43	No	Yes	3.91	Yes	217.5327778	1
DTCC	48	No	Yes	2.7	Yes	209.8833333	1
DTCC	54	No	Yes	1.78	Yes	206.29	1
DTCC	26	No	Yes	2.9	Yes	189.7388889	1
DTCC	37	No	Yes	1.2	Yes	183.0111111	1
DTCC	50	No	Yes	3.09	No	183.0005556	1
DTCC	22	No	Yes	2.4	Yes	180.4444444	1
DTCC	35	No	Yes	1.1	Yes	179.9388889	1
DTCC	49	No	Yes	1.37	No	163.9294444	1
DTCC	30	No	Yes	0.7	No	137.6833333	1
DTCC	65	No	No	2.51	Yes	125.0772222	1
DTCC	32	No	No	4.21	Yes	109.5605556	1
DTCC	44	No	No	2.4	Yes	102.6888889	1
DTCC	46	No	No	3.3	No	81.1611111	0
DTCC	21	No	No	2.4	Yes	79.4333333	0
DTCC	45	No	No	0.76	No	53.48	0
DTCC	27	No	No	1.42	No	42.21	0

Union hospital*: Union Hospital, Tongji Medical College of Huazhong University of Science and Technology; DTCC*: Differentiated thyroid cancer in China; Cutoff*: The cutoff value was 94.7; 1*: Nomogram score surpassed the cutoff value; 0*: Nomogram score did not reach the cutoff value.