

Supplementary Table S1 Clinical characteristics of 20 patients with nasolabial cyst

Age (years)	Sex	Side	Duration of disease (months)	Size (cm)	Type of surgery	Symptom	Physical sign
49	Female	Both	2	Left:2.0×2.0×1.6 Right:1.3×0.9×0.6	Nasal endoscopic cyst uncovering	Protuberance,Swelling,Pain	Left:Hard Right:Soft
48	Male	Left	12	1.3×1.0×1.2	Labial gingival sulcus approach	Protuberance,Swelling,Pain	Hard
41	Male	Right	0.5	3.4×2.7×2.3	Nasal endoscopic cyst uncovering	Protuberance,Swelling,Pain	Soft
42	Male	Left	12	2.2×1.6×1.7	Nasal endoscopic cyst uncovering	Protuberance,Nasal obstruction	Soft
51	Female	Right	12	1.1×0.7×0.5	Labial gingival sulcus approach	Protuberance,Swelling,Nasal obstruction,Headache	Hard
52	Female	Left	24	2.1×1.2×0.9	Nasal endoscopic cyst uncovering	Nasal obstruction,Hyposmia	Soft
39	Male	Right	3	3.1×2.5×2.1	Nasal endoscopic cyst uncovering	Protuberance,Swelling,Nasal obstruction	Soft
77	Female	Left	4	1.6×1.3×1.0	Nasal endoscopic cyst uncovering	Protuberance,Pain	Soft
31	Female	Right	1	1.2×1.2×0.7	Labial gingival sulcus approach	Protuberance,Swelling,Pain,Nasal obstruction	Soft
28	Male	Left	12	1.6×1.5×1.1	Nasal endoscopic cyst uncovering	Protuberance,Swelling	Hard
39	Female	Left	0.5	2.4×1.5×1.8	Nasal endoscopic cyst uncovering	Protuberance	Soft
79	Female	Right	6	2.2×1.4×1.9	Labial gingival sulcus approach	Protuberance,Swelling,Pain	Soft
56	Female	Right	6	2.5×2.0×1.1	Labial gingival sulcus approach	Swelling,Pain	Hard
52	Female	Left	5	1.4×1.2×0.9	Nasal endoscopic cyst uncovering	Protuberance,Swelling,Pain	Hard
54	Female	Left	18	2.1×1.3×1.3	Nasal endoscopic cyst uncovering	Protuberance,Swelling,Pain	Hard
48	Female	Right	0.5	3.2×1.8×1.5	Nasal endoscopic cyst uncovering	Swelling,Pain	Soft
63	Female	Left	9	1.6×1.0×0.7	Nasal endoscopic cyst uncovering	Protuberance,Swelling,Pain	Hard
40	Male	Right	3	2.0×1.5×1.2	Nasal endoscopic cyst uncovering	Protuberance,Nasal obstruction	Hard
59	Female	Right	7	2.6×1.9×1.3	Nasal endoscopic cyst uncovering	Protuberance	Soft
54	Female	Left	12	2.6×1.3×0.6	Nasal endoscopic cyst uncovering	Protuberance	Hard

Supplementary Table S2 Imaging parameters of USG in 20 patients with nasolabial cyst

Shape	Boundary	Cystic wall (cm)	Echo	Distribution	Acoustic transmission	Blood flow signal	Bone compression
Left:Quasi-circular	Left:Clear	Left:0.2,Non-smooth	Left:Mixed	Left:Heterogeneous	Left:Poor	Left:No	Left:Yes
Right:Irregular	Right:Clear	Right:0.1,Smooth	Right:Anechoic	Right:-	Right:Good	Right:No	Right:No
Quasi-circular	Unclear	0.4,Non-smooth	Mixed	Heterogeneous	Poor	No	Yes
Quasi-circular	Clear	0.2,Smooth	Mixed	Heterogeneous	Poor	No	Yes
Quasi-circular	Clear	0.1,Smooth	Mixed	Heterogeneous	Poor	No	Yes
Quasi-circular	Clear	0.4,Non-smooth	Hypoechoic	Homogeneous	Poor	No	Yes
Quasi-circular	Clear	0.1,Smooth	Anechoic	-	Good	No	Yes
Quasi-circular	Clear	0.1,Smooth	Anechoic	-	Good	No	Yes
Quasi-circular	Clear	0.1,Smooth	Anechoic	-	Good	No	Yes
Quasi-circular	Clear	0.2,Smooth	Anechoic	-	Good	No	Yes
Quasi-circular	Clear	0.1,Smooth	Anechoic	-	Good	No	Yes
Quasi-circular	Clear	0.1,Smooth	Anechoic	-	Good	No	Yes
Quasi-circular	Clear	0.2,Smooth	Anechoic	-	Good	No	Yes
Quasi-circular	Clear	0.2,Smooth	Anechoic	-	Good	No	No
Quasi-circular	Clear	0.1,Smooth	Anechoic	-	Good	No	Yes
Irregular	Clear	0.2,Non-smooth	Mixed	Heterogeneous	Poor	Yes	Yes
Irregular	Unclear	0.3,Non-smooth	Mixed	Heterogeneous	Poor	Yes	Yes
Irregular	Unclear	0.5,Non-smooth	Mixed	Heterogeneous	Poor	Yes	Yes
Irregular	Unclear	0.4,Non-smooth	Mixed	Heterogeneous	Poor	Yes	No
Irregular	Unclear	0.3,Non-smooth	Mixed	Heterogeneous	Poor	Yes	Yes

Supplementary Table S3 Imaging parameters of CT in 20 patients with nasolabial cyst

Shape	Boundary	Density	Distribution	CT value (Hu)	Bone compression	Enhanced sign
Left:Quasi-circular	Left:Clear	Left:Low	Left:Homogeneous	Left:15	Left:Yes	-
Right:Irregular	Right:Clear	Right:Low	Right:Homogeneous	Right:12	Right:No	-
Quasi-circular	Unclear	High	Heterogeneous	80	Yes	No
Quasi-circular	Clear	High	Heterogeneous	46	Yes	-
Quasi-circular	Clear	High	Heterogeneous	57	Yes	-
Quasi-circular	Clear	High	Homogeneous	76	Yes	-
Quasi-circular	Clear	Low	Homogeneous	35	Yes	No
Quasi-circular	Clear	Low	Homogeneous	13	Yes	-
Quasi-circular	Clear	Low	Homogeneous	23	Yes	-
Quasi-circular	Clear	Low	Homogeneous	30	Yes	-
Quasi-circular	Clear	Low	Homogeneous	26	Yes	-
Quasi-circular	Clear	Low	Homogeneous	25	Yes	-
Quasi-circular	Clear	Low	Homogeneous	16	Yes	-
Quasi-circular	Clear	Low	Homogeneous	18	Yes	-
Quasi-circular	Clear	Low	Homogeneous	27	No	-
Quasi-circular	Clear	Low	Homogeneous	29	Yes	No
Irregular	Clear	High	Heterogeneous	86	Yes	-
Irregular	Unclear	High	Heterogeneous	54	Yes	-
Irregular	Unclear	Medium	Heterogeneous	40	Yes	-
Irregular	Unclear	High	Heterogeneous	45	No	-
Irregular	Unclear	High	Heterogeneous	50	Yes	-

Supplementary Table S4 Imaging parameters of MRI in 20 patients with nasolabial cyst

Shape	Boundary	T1WI	T2WI	DWI	ADC	Bone compression	Enhanced sign
Left:Quasi-circular	Left:Clear	Left:High,Homogeneous	Left:High,Homogeneous	Left:High	Left:Low	Left:Yes	-
Right:Irregular	Right:Clear	Right:Low,Homogeneous	Right:High,Homogeneous	Right:High	Right:High	Right:No	-
Quasi-circular	Unclear	High,Heterogeneous	High,Heterogeneous	High	High	Yes	-
Quasi-circular	Clear	High,Heterogeneous	High,Heterogeneous	High	Low	Yes	-
Quasi-circular	Clear	High,Heterogeneous	High,Heterogeneous	High	Low	Yes	No
Quasi-circular	Clear	High,Homogeneous	High,Homogeneous	High	High	Yes	-
Quasi-circular	Clear	Low,Homogeneous	High,Homogeneous	High	High	Yes	-
Quasi-circular	Clear	Low,Homogeneous	High,Homogeneous	Low	High	Yes	-
Quasi-circular	Clear	Low,Homogeneous	High,Homogeneous	Low	High	Yes	-
Quasi-circular	Clear	Low,Homogeneous	High,Homogeneous	High	High	Yes	No
Quasi-circular	Clear	Low,Homogeneous	High,Homogeneous	Low	High	Yes	-
Quasi-circular	Clear	Low,Homogeneous	High,Homogeneous	Low	High	Yes	-
Quasi-circular	Clear	Low,Homogeneous	High,Homogeneous	Low	High	Yes	-
Quasi-circular	Clear	Low,Homogeneous	High,Homogeneous	High	High	Yes	No
Quasi-circular	Clear	Low,Homogeneous	High,Homogeneous	Low	High	No	-
Quasi-circular	Clear	Low,Homogeneous	High,Homogeneous	Low	High	Yes	-
Irregular	Clear	High,Heterogeneous	High,Heterogeneous	Low	High	Yes	-
Irregular	Unclear	High,Heterogeneous	High,Heterogeneous	High	Low	Yes	-
Irregular	Unclear	Medium,Heterogeneous	Medium,Heterogeneous	High	Low	Yes	-
Irregular	Unclear	High,Heterogeneous	High,Heterogeneous	High	High	No	-
Irregular	Unclear	High,Heterogeneous	High,Heterogeneous	High	Low	Yes	-