



Supplementary Information

Supplementary Table S1. Demographic Data

Demographic Data	No. (%)
Gender	
Female	56 (69.1)
Male	25 (30.9)
Age, mean (SD) [range], y	53 (16) [1 - 87]
Presenting symptoms	
Palpable mass	31 (38.3)
Pain	23 (28.4)
R/O Sjögren syndrome	16 (19.7)
Pain and swelling	8 (9.9)
Swelling	3 (3.7)
Side of clinical abnormality	
Left	30 (37.0)
Right	27 (33.3)
Bilateral	24 (29.6)

Abbreviation: R/O, rule out.

Supplementary Table S2. Further Management

Further Management	No. (%)
Further imaging	
Sialogram	2 (2.5)
Plain film	2 (2.5)
MRI	2 (2.5)
Final diagnosis by	
FNA alone	1 (1.2)
FNA followed by surgical excision	5 (6.2)
Surgical excision	9 (11.1)
Medical treatment/follow-up	66 (81.5)
Treatment	
Surgery	15 (18.5)
Specific medical treatment	34 (42.0)
Symptomatic treatment/reassurance/advise	32 (39.5)

Abbreviations: FNA, fine needle aspiration; MRI, magnetic resonance imaging.



Supplementary Table S3. Final Diagnoses

Final Diagnosis	No. (%)
Acute sialadenitis	38 (46.9)
Sjögren syndrome	14 (17.3)
Tumor*	6 (7.4)
Stone	4 (4.9)
Chronic sialadenitis	2 (2.5)
Abnormal lymph nodes**	9 (11.1)
Lymphoid proliferation, No.	1
Reactive lymphoid hyperplasia, No.	2
Lymphadenitis, No.	6
Normal SM gland without other abnormality	8 (9.9)

Abbreviation: SM, submandibular.

* Further clarified in Supplementary Table S4.

** All patients with abnormal lymph nodes (n = 9) had normal submandibular glands. The number of patients with normal submandibular gland therefore was 17.

Supplementary Table S4. Ultrasound Appearances and Pathologic Results of Masses

Case No.	Sex	Age, y	US Findings	Pathology
1	Female	41	Well-defined, heterogenous hypoechoic mass, increased flow	Pleomorphic adenoma
2	Female	23	Well-defined, heterogenous hypoechoic mass, increased flow	Pleomorphic adenoma
3	Female	44	Mainly well-defined, heterogenous hypoechoic mass, increased flow	MALT lymphoma
4	Male	53	Mainly well-defined, heterogenous hypoechoic mass, increased flow	Follicular lymphoma
5	Male	51	Mainly well-defined, heterogenous hypoechoic mass, increased flow	Metastatic tonsillar carcinoma
6	Male	28	Mainly well-defined, heterogenous hypoechoic mass, increased flow	Reactive lymphoid hyperplasia

Abbreviation: MALT, mucosa-associated lymphoid tissue.