

Table S1. Reported cases of primary xanthoma of the jaw.

Authors	Year	Age	Sex	Site	Size cm	Symptoms	Radiological features	Comorbidity	Treatment	Relapse	Histology	Follow-up
Mosby et al.	1983	28	F	L. mandible	-	-	-	A simple bone cyst 7 years previously Normal hematologic value	Enucleation and curettage	no	Sheet of foamy macrophage in enlarged marrow spaces Scanty fibrovascular network Trabeculae of mature vital bone Inflammatory cells mainly lymphocytes	-
Harsanyi and Larsson	1988	16	F	L. mandible	-	Painless swelling ? fibrous dysplasia	multilocular from condylar neck to midline, root resorption, buccolingual expansion no uptake of radionuclide	Normal hematologic value	Partial enucleation and third molar extraction	Very slow expansion	Sheet of foam cells in fibrous tissue. Inflammatory cells S100-, cathepsin, lys	18 y
		23	M	R. mandible	2,3x1,8	? ossifying fibroma	radiopaque/radiolucent, sclerotic margin	Not available	Only two biopsy	Minimal enlargement	Sheet of foam cells in fibrous tissue.	8 y
		27	F	R mandible	-	Painless swelling Change occlusion ? myeloma-lymphoma	multilocular /ill-defined honeycomb, no uptake of radionuclide	Normal hematologic value	Only three biopsy	enlargement	Sheet of foam cells in fibrous tissue. Inflammatory cells, S100-, cathepsin, lys	8 y
		13	F	R mandible	-	Painless swelling ? fibrous dysplasia	Diffuse ground-glass Buccolingual expansion, incompletely erupted second premolar Intense radionuclide uptake	Not available	Only biopsy	no	Sheet of foam cells in fibrous tissue. Inflammatory cells, immature bone	4 y
		12	F	A mandible	-	Painless swelling	Diffuse honeycomb Radionuclide uptake Angiography ruled out intraosseous hemangioma	Venous mucous malformation Normal hematologic value	Only biopsy Mv completely removed	Slight enlargement	Sheet of foam cells in fibrous tissue. Inflammatory cells	2 y
		15	F	L mandible	-	Painless swelling ? cyst	Diffuse ground-glass	Normal hematologic value	Only biopsy	No increasement	Sheet of foam cells in fibrous tissue. Inflammatory cells cathepsin, lys	2 y
		72	F	L mandible	2,5x1	Painless swelling ? osteoma	Bony mass	no	Partial excision	no	Sheet of foam cells in fibrous tissue. Inflammatory cells Fibroblast bone lamellae	1 y
Slottweg et al.	1993	49	M	L Mandible	-	Painless swelling	Ill-defined radiopacity with mandibular contour deformation	Not available	curettage		Foam cells in marrow spaces, multinucleated giant cells and cholesterol cleft, old and fresh hemorrhage bone lamellae, calcified material	-
Mateo et al	2004	11	M	L mandible	-	Painless swelling	Ill-defined radiolucent lesion with one unerupted canine Radionuclide hypercapture	unerupted canine Normal hematologic value	Enucleation with tooth preservation	No Correct eruption of the canine	Foam cells and immature fibrous tissue and adipocyte, inflammatory cells CD68+	5 y
Ramos-Perez et al	2011	25	M	L mandible	2	-	Ill-defined unicocular radiopaque/radiolucent Adjacent to distal root of the third molar	Local history negative Normal hematologic value	Enucleation and curettage	no	Foam cells, scarce fibrous connective and adipocytes CD68 +	2 y
Daley et al.	2015	56	M	A-L mandible	1,1x3,5 cm	Numbness and swelling	Scalloped radiolucency 1,1 x 3,5 cm	Not available	Curettage, with tooth preservation	no	Sheet of foam cells Fibrous tissue, giant cells with cholesteolecleft, Lymphocytes and plasma cells, hemorrhage CD68 +, HLA-DR + S100 -, CD1a -	2y
		24	M	L mandible	2x2 cm	-	Radiolucency 2 x 2 cm corticated	Not available	Curettage, with tooth preservation	no	Partially encapsulated, Sheet of foam cells Fibrous tissue Lymphocytes and plasma cells CD68 +, HLA-DR + S100 -, CD1a -	6 y
		47	M	L mandible	3x2 cm	-	Radiolucency 3 x 2 cm	Not available	Curettage, teeth removed	no	Partially encapsulated, Sheet of foam cells Fibrous tissue Lymphocytes and plasma cells, hemorrhage CD68 +, HLA-DR + S100 -, CD1a -	5,5 y
		48	M	Ant maxilla	-	Painless swelling	Radiolucency, labial plate perforation	Not available	Curettage, with tooth preservation	no	Partially encapsulated, Sheet of foam cells Fibrous tissue Lymphocytes and plasma cells, hemorrhage CD68 +, HLA-DR +	lost

		13	F	PL mandible	3.5	-	III-defined/punched-out margin Radiopaque/radiolucent multilocular Cortical resorption and expansion	No available	curettage	no	Foamy cells and scarce connective tissue, trabecular bone CD 68+, S100-	1 y
Wilkinson et al 2020		28	F	PL mandible	1	-	Multilocular radiolucency	Not available hematic value Local history negative	curettage	no	Foamy cells, chronic lymphocytic, foci of hemorrhage, dystrophic calcifications, cholesterol clefts, multinucleated giant cells, 6-60 months mature adipocytes CD 68+, CD1a+, S100-	
		17	F	PL mandible	-	-	Well-circumscribed, unilocular radiolucency, area of teeth 18-19	Not available hematic value Local history negative	curettage	no	Foamy cells, chronic , lamellar and woven bone fragments, lymphocytic, foci of hemorrhage, dystrophic calcifications, CD 68+, CD1a-, S100-	6-60 months
		27	M	PL mandible	2.0	-	Multilocular radiolucency with honeycomb pattern and sclerotic margins	Not available hematic value Local history negative	Incisional biopsy	no	Foamy cells, chronic lymphocytic, foci of hemorrhage, dystrophic calcifications, CD 68+, CD1a-,	Lost to follow up
		33	M	PR mandible	1.0	-	Multilocular radiolucency with honeycomb pattern	Not available hematic value Local history negative aggressive curttage	Enucleation with aggressive curttage	no	Foamy cells, chronic lymphocytic, foci of hemorrhage, fibroblastic proliferation, mature adipocytes, hyaline globules, CD 68+, CD1a-, S100-	6-60 months
		14	F	PR mandible	1.0	-	Multilocular radiolucency with sclerotic margins	Orthodontic therapy Not available hematic value	curettage	no	Foamy cells, lamellar and woven bone fragments, chronic lymphocytic, foci of hemorrhage, fibroblastic proliferation CD 68+, CD1a-, S100-	6-60 months
		12	F	PL mandible	1.5	-	Radiolucency	Not available hematic value Local history negative	curettage	no	Foamy cells, lamellar and woven bone fragments, chronic lymphocytic, hemorrhage, 6-60 months mature adipocytes, CD 68+, CD1a-, S100-	
Kim et al 2022		17	M	PR mandible	2.4	Painless swelling	Heterogeneous radiolucent multilocular, honeycomb-like structure, well-defined, sclerotic margins, with third molar germ OPT , CBCT	Normal hematic value	Excisional biopsy, and third molar extraction and curettage, curettage with peripheral ostectomy 1 year later Orthognathic surgery 7 month later	Enlargement of lesion after the first surgery, No recurrence after second treatment	Sheets of foamy and ne foamy cells CD68+	2 y after second treatment
									Incisional biopsy and third molar extraction			
Jones et al 2022		17	M	PL mandible	Body, angle and ramus	-	Irregular shaped, non corticated mixed radiolucent and radiopaque lesion, well-defined multilocular, with Normal hematic value germ of the third molar OPT, CBCT	Normal hematic value Local history negative	Complete enucleation and curettage with superficial neurolysis and second molar extraction	no	Sheet of foamy cells, bone trabeculae, lymphocytic infiltrates, scattered giant cells CD68+, CD 163+ CD1a -	1 y