Supplementary Table 1 List of publications reporting individuals with Jaffe-Campanacci syndrome

N	O R	A ef. (y		ıde i	Race/E thnicit y		Other Bony Abnormalitie s	CALS		Axillary Frecklin g	Mental		Scoli	Cerebral/ne urologic abnormalitie s	Ocular anomalies Lisch Nodules	Alopecia	Short stature	Growth hormone deficiency	Precoci ous pubert y	r mani	Past illnesse s	Family History	Fulfill NIH Criteria for Diagnosis of NF1		Genetic Testing	Treatment for JCS	Prognosis
5	Mi 1 et 19	al., 1	4 Fen	nale	White	Distal of both femurs, proximal of both tibias and fibula, distal of left tibia	lytic foci consistent with giant cell	Numerous	e	On entire body, especiall y around lips	None	None	Non e	None	Eye exam done, no comment on Lisch nodules	None	None	None	None	None	Amoebi c dysenter y, pneumo nia and hepatitis	No history of NF1	NA	JCS, but NF1, others considered	NA	Curettage	NA
2	Ca pa 2 cci a 19	na et 1 .,	1 Ma	ale	ND	Mainly right sided	Four pathologic fractures, vagus deformity of the knee	Had, but not specified	Non e	None	but not	Had, but not specified	Non e	None	None	None	None	None	None	None	None	None	NA	Proposed multiple NOF plus other extraskeletal congential anomalies may constitute a new syndrome	NA	Routine treatmen for fracture	Healed in the normal time.
3	Ca pa 3 cci a 19	na et 1 .,	7 Ma	ıle	ND	Lower limbs	None	Had, but not specified	Non e	None	but not	Had, but not specified	Non e	None	None	None	None	None	None	None	None	None	NA	Proposed multiple NOF plus other extraskeletal congential anomalies may constitute a new syndrome	NA	NA	NA

4	Cam pana cci et 1' al., 1983	Male	ND	Bilateral symmetrical ,involving the humerus, radius, ilium, femur, tibia and fibula	pathological fractures, Valgus deformity of	Right side of the trunk, right arm and right leg	Non e	None	Had, but not specifie d	None	Non e	None	Bilateral conjunctiva 1 dermolipo ma, right corneal leucoma, evidence of tarsorrhaph y of the lateral third of the eye	Alopecia,	None	None	None None	None	No relevant family history	NA	Proposed multiple NOF plus other extraskeletal congential anomalies may constitute a new syndrome	NA	Routine treatmen for fracture	Healed in the normal time.
5	Cam pana cci et 1: al., 1983	2 Male	ND	Lower limbs	None	Had, but not specified	Non e	None	Had, but not specifie d	None	Non e	None	None	None	None	None	Precoci ous pubert None y	None	None	NA	Proposed multiple NOF plus other extraskeletal congential anomalies may constitute a new syndrome	NA	NA	NA
6	Cam pana cci et 1- al., 1983	I Male	ND	Diffuse	One pathological fractures, Mega-ureter	Right sided	Non e	None	None	None	Non e	None	Had, but not specified	None	None	None	None None	None	None	NA	Proposed multiple NOF plus other extraskeletal congential anomalies may constitute a new syndrome	NA	Routine treatmen for fracture	Healed in the normal time.

7	Cam pana cci et al., 1983	6	Male	ND	Right lower limb	One pathological fractures, Valgus deformity of the knee	Had, but not specified	Non e	None	None	None	Non e	None	None	None	None	None	None None None	None	NA	Proposed multiple NOF plus other extraskeletal congential anomalies may constitute a new syndrome	NA	Routine treatmen Healed for fracture norma	
8	Stein metz et al., 1988	15	Male	White	Distal femora, proximal tibia	Pathologic fracture, right distal femur	"Multiple"	Non e	None	None	None	Non e	None	None	None	None	None	None None None	None	NA	NF1 then JCS	NA		
9	Blau et al., 1988	4	Female	White	Proximal and distal of femer and tibia, distal left fibula	7 pathologic fractures after minor trauma; "Dramatic" local growth of NOF	region, and	Non e	Multiple "light- brown macules" in left axilla	None	None	Non e	None	None	None	None	None	None None None	None	NA	Multiple NOF, presumably JCS	NA	fracturs were treated in a long cast; three years later,all femoral and tibial lesions were curetted, bone-grafting was done using homologous banked bone, and both femora and both femora and tibiae were fixed internally using the Bailey- Dubow I alter,rig valgum n 20 degre discrepata discrepata entimete months lat ankle la deg for dorsifle the righ lacked 10	tunited in ted length; by years ght genu measuring ees and a length not you follow the length not you follow terms. Fifteen ter, the left acked 15 grees leexion and ht ankle 0 degrees. It lower hit was ally 3.5 ers shorter

10	Kotz ot et al., 1994	27 Female		Left proximal and distal tibia, left distal and proximal femur, left 3rd and 5th ribs	None		Non N e N	Jone Nor	Stenosis the aort isthmu	erate	None	None	None	None	None	Chyl othor ax,C None hylo N peric ardiu m	Jone N	None	NA	jcs	None	The lesiaons of left proximal and distal tibia, left distal and The left leg was proximal femur than the right were cureted at 12 to 16 years.	
11	Hau et al., 2002	15 Male	ND	Distal femora, proximal left tibia and fibula,	Pathologic fracture in left distal femur	coast of	Non e bila	Mild omine to nt mode ateral tely	era None	Non e	None	None	None	None	None	None None N	None N	None	NA	NF1, then JCS	Not specified	Two previous surgical procedures consisting of curettage and bone graft packing for lesions in the distal parts of both femora two years before admission. The patient underwent intralesional excision purpettage.	had he rell

without signs of

recurrence.

excision, curettage,

allograft strut-

grafting, and plate

fixation of the left femoral lesion. Six months later, underwent a similar operation on the right femur.

axillary retarde

proximal

right tibia

café-au-lait

spots on

the trunk

d

12	Colb y et al., 2003	13	Female	ND	Bilateral distal femur tibia and fibula	Pathologic ' fracture in left femur	Multiple large CALS over the limbs and torso	0	Axillary	Had trouble in school and typical garades include d Cs, Ds and Fs	None	Non e	None	No Lisch, but an medial ectopic pupil of the left eye	None	None	None	None N	Jone Noi	ne of NF1 a	Diagnosed res based on d CALS and NF1, then JCS ons Axillary Freckling	Not specified	Routine treatmen for fracture	Fracture healed
13	Colb y et al., 2003	15	Male	ND	Bilateral femurs, tibias and fibulas	Pathologic fracture in left femur	Multiple truncal CALS	Non e	Axllary and inguinal freckling	IQ(WIS C-III) was 82	None		Cranial Imaging showed enhanced signal density in the brain stem, basal ganglia, thalamus, cerebellum and white matter; Mild hydrocephal us	Lisch nodules were present	None	None	None	None N	lone n dei	ntio No featu ficit of NF1 a der bone lesie	nd CALS and NF1, then JCS	Not	Surgical fixation of the NOFs and fracture with plate and screws for left femur; Bone graft in the right femur	ND
14	Colb y et al., 2003	13	Male	ND	Right distal femur, right proximal tibia and lef proximal tibia	t ND	On the torso	On the torso	None	Psycho metric testing: low normal - mild mental retardat ion	None	e	MR scan: several signal variations; Mild balance and gait abnormalitie s	Palpebral fissures, mild ptosis and Lisch nodules	None	None	None	None N	None No	ne of NF1 a	res Had, but nd not NF1, then JCS ons specified	Not specified	Surgeries on right distal femur, right proximal tibia and left proximal tibia	ND

15	Col y e al., 200	17	Male	ND	Bilateral tibias and fibulas	Pseudoarthros is of the right lower leg; Velopharynge al insufficiency	Multiple	the	Axllary and inguinal freckling	IQ was 74	None	Mild scoli osis	Mild unsteady gait	Mildly down slanting palpebral fissures and Lisch nodules	None	None	None	None	None	None	No features	pseudoart	NF1, then JCS	Molecul ar testing of the NF1gene showed a partial deletion	ND	ND
16	Nez ad o al., 200	t 7	Male	ND	Proximal and diatal of the right tibia, femur and right humerus diaphysis	Pathologic fracture in right tibia; The skull was abnormal shape	Multiple "Coast of California" CALS on the right side of torso	Non e	None	None	Mild cardiomeg aly, Atrial septal defect and coarction of aorta	Non e	None	Right eye amblyopia with sceroma and optic nerve hypoplasia	Alopecia on the right occiput	None	None	None	None		Negative for neurofibrom atosis or any related disorders	ND	jcs	ND	Intralesional excision, curettage and allograft strut grafting of the proximal tibial lesion	ND
15	Al- Rika i e al., 200	b 6	Male	ND	Right upper tibia bone lesion"; similar lesions observed radiographi cally in right distal femur	deformity with leg	Large confluentC ALS from pubis to right thigh		None	None	None	Non e	None	None	None	None	None	None	None	None	ND	Diagnosed based on CALS	NF1 then JCS	Not specified	Curettage and bone grafting of the right upper tibia	ND

a distal tibia

18	Kour elis et al., 2012	21 F	emale		Multiple old NOF in left humerus, pelvis	Multiple pathologic fractures in the past; A small pulmonary embolus in a subsegmental branch	Numerous	Non Ax	illary	None	None	Non e	None	None	None	None	None	None N	one None	Unknown - adopted	the criteria for the diagnosis of NF1 more thn 6 CALM, axillary freckling and thinning of the long bone cortex."	jcs	Not specified	d ND	ND
15	Sonar 9 et al., 2012	13 1	Male	White	Distal left tibia and femur	Pathologic fracture of distal part of left tibia	"Variously sized café- au-lait spots," location not specified	Non e Ax	illary	IQ was 69	None	Non e	None	None	None	None	None	None N	One Cryptoi chidism	None of the family members had skin lesions, such as café-au- lait spots, axillary freckling and long bone fracture history. Family research showed no genetic errors	ı	"Neurofibrom atosis" then JCS	ND	Curettage, grafting with allograft, and fixation with conventional plate of the left tibia and femur	Both tibial and femoral fractures healed on time; No signs of recurrence

"...patient met 3 of

2	Yan 0 et al 201:	, 2	Female	Yellow		Pathologic fracture of the right humerus and femur		Non e	None	None	None	Non e	None	None	None	None	None	None	None		Negative for features of NF1 and bone lesions	but not	NF1, then JCS	ND	Curettage and bone grafting of the right humerus and femur	
2	Che: 1 x ei al., 201-	17	Female	ND	Bilateral distal femurs and proximal tibias	Pathologic fracture of the right distal femoral diaphysis	Multiple "coast of California" CALS on the abdomen, the back and all four	Non e	Bilateral axillary freckles	Mild mental retardat ion	None	Non e	None	A Lisch nodule	None	None	None	None	None	None	Her father suffered from NF1		NF1, then JCS	ND	Open recuction and internal plate fixation of the right distal femoral diaphysis; the others performed curettage and bone grafting	The fracturs healed without complications, and the patient returned to work witnin 4 months; the others healed after surgery
2	Eur MC 2 at ai 2016	, 9	Female	Yellow	The left proximal humerus, left distal femur,both proximal tibias, and left proximal fibula		Multiple CALS on the left side of her face, trunk, and left extremity	Non e	None	She display ed 2 years of retarde d develop ment	A grade I- II systolic heart murmur was heard on auscultati on of the chest; aortic coarctatio n	Non e	fluid space	on the left side and	Sparse hair with separated alopecia	Her height was 110 cm, which was under the 3rd percentile for her age	and levo- dihydroxyphe	None	Ede ma of the left lowe r extre mity	None	None	None	Encephalocra niocutaneous lipomatosis, JCS	None	ND	ND

Diagnositic criteria for neurofibromatosis type 1 (NF1) was published in 1988. The *NF1* gene was identified in 1990. NA: Not applicable; ND: No data; NOF: Non-ossifying fibroma; CALM: Café-au-lait macule.