



																icle	carpa	joint	articula	tio	carp	i							
Pubmed	2011	India	Anil Agarwal	Multifocal osteoarticular tuberculosis in children	woman	1	unkn own	deny	deny	yes	deny	yes	deny	deny	deny	deny	deny	Type II	Left elbow	carpal	second metacarpal bone								
Pubmed	2011	India	Anil Agarwal	Multifocal osteoarticular tuberculosis in children	woman	3	unkn own	deny	deny	yes	yes	yes	deny	deny	deny	deny	deny	Type II	Right elbow			Right 1 One metatarsal							
Pubmed	2011	India	Anil Agarwal	Multifocal osteoarticular tuberculosis in children	man	3	unkn own	deny	deny	yes	yes	yes	deny	deny	deny	deny	deny	Type II	Left foot Point near The terminal phalanx			Left fifth metatarsal							
Pubmed	2011	India	Anil Agarwal	Multifocal osteoarticular tuberculosis in children	woman	3	unkn own	deny	Type II				Right side One metatarsal																

Pubmed		2011	India	Anil Agarwal	Multifocal osteoarticular tuberculosis in children	woman	4	unkn own	deny	deny	yes	yes	yes	deny	deny	deny	deny	deny	Type II	Right food Point near The terminal phalanx			Right side Five legs phalanx near-end					
Pubmed		2011	India	Anil Agarwal	Multifocal osteoarticular tuberculosis in children	woman	4	unkn own	deny	deny	yes	yes	yes	deny	deny	deny	deny	deny	Type II	Left 1st ulna	Left 1st One metacarpal bone	Right side Seco nd metacarpal	Left tibia	Right calcaneus				
Pubmed		2011	India	Anil Agarwal	Multifocal osteoarticular tuberculosis in children	man	4	unkn own	deny	deny	yes	yes	yes	deny	deny	deny	deny	deny	Type II	Right 1st Five metacarpals			Right femur					
Pubmed		2011	India	Anil Agarwal	Multifocal osteoarticular tuberculosis in children	man	4	unkn own	deny	deny	yes	deny	yes	deny	deny	deny	deny	deny	Type II	the right hand third metacarpal bone	the left hand index finger near-end phalanx	the left hand nailless Point near The terminal phalanx						
Pubmed		2011	India	Anil Agarwal	Multifocal osteoarticular tuberculosis in children	man	5	unkn own	deny	yes	yes	yes	yes	deny	deny	yes	deny	deny	Type III	Right radius	Right humerus	Left 1st three harmonies fifth metacarpal bone	Left 1st ulna	Left 1st ulna			cervical vertebra	
Embase scopus wos		2014	India	Anil Agarwal	LYTIC LESIONS OF DISTAL RADIUS IN CHILDREN: A RARE TUBERCULAR PRESENTATION	man	5	deny	deny	yes	yes	yes	yes	deny	deny	yes	deny	deny	Type III	Left 1st Three metacarpals	Left 1st Five metacarpals	Left tibia	Left humerus	Left ulna	cervical vertebra			
Pubmed		2011	India	Anil Agarwal	Multifocal osteoarticular tuberculosis in children	man	7	unkn own	deny	deny	yes	deny	yes	deny	deny	deny	deny	deny	Type II	Right elbow	Right wrist bone							
Pubmed		2011	India	Anil Agarwal	Multifocal osteoarticular tuberculosis in children	man	8	unkn own	deny	deny	yes	yes	yes	deny	deny	deny	deny	deny	Type II	Left 1st Five metacarpals			Right 1st One metatarsal					
Pubmed		2011	India	Anil Agarwal	Multifocal osteoarticular tuberculosis in children	man	9	unkn own	deny	yes	deny	yes	yes	yes	deny	deny	deny	deny	deny	Type III			f1				thoracic vertebra	

Pubmed	2011	India	Anil Agarwal	Multifocal osteoarticular tuberculosis in children	man	10	unkn own	deny	yes	yes	yes	yes	yes	deny	yes	deny	deny	Type III	Left humerus	Two ulna bone s	the right hand index finger phalanx	the right hand middle finger phalanx	Right femur	two flanks shin bone	two flanks huckle bone	two flanks calcaneus	two flanks first metatarsal bones	lumbar verte bra	bra	
Embase scopus wos	2014	India	Anil Agarwal	LYTIC LESIONS OF DISTAL RADIUS IN CHILDREN: A RARE TUBERCULAR PRESENTATION	man	10	yes	deny	yes	yes	yes	yes	yes	deny	yes	deny	deny	Type III	Left humerus	two flanks ulna	the right hand phalanx	Right femur	bilateral shin bone	two flanks Root heel bone	two flanks huckle bone	lumbar verte bra	bilateral first metatarsal bones			
Pubmed	2011	India	Anil Agarwal	Multifocal osteoarticular tuberculosis in children	woman	11	unkn own	deny	yes	deny	yes	yes	yes	deny	deny	deny	deny	Type III				Right tibia	Left big Weak legs organization abscessus	thoracic verte bra						
Pubmed	2011	India	Anil Agarwal	Multifocal osteoarticular tuberculosis in children	woman	12	unkn own	deny	yes	yes	deny	yes	yes	yes	deny	deny	deny	deny	Type III	Left elbow	thoracic verte bra									
Pubmed	2011	India	Anil Agarwal	Multifocal osteoarticular tuberculosis in children	man	14	unkn own	deny	deny	yes	yes	yes	deny	deny	deny	deny	deny	Type II	Right radius				Left calcaneus							
Embase scopus wos	2017	India	Anirban Manda	The many faces of tuberculosis	man	3	deny	yes	deny	deny	yes	yes	deny	deny	deny	deny	deny	Type II	Right tibia	os prefrontale	offset cheek bone									
Pubmed	1996	India	Anju Aggarwal	Multifocal Cystic Bone Tuberculosis with Lupus Vulgaris and Lymphadenitis	man	2	yes	deny	yes	yes	yes	yes	yes	yes	deny	deny	deny	deny	Type III	thoracic verte bra	both hands metacarpal bone	tibia fibula	metatarsal bones							



Pubmed		2005	USA	BINDE SH	Multifocal Osteoarticular Tuberculosis	man	25	unkn own	deny	deny	yes	yes	deny	deny	deny	deny	deny	Type II	two flank s knee - joint	Right side Two and a half fifth metacarpal bone	arpal bone	end	end	end				
Pubmed		2022	Turkey	BURA K GÜNA Y	A Rare Presentation of Tuberculosis: Multifocal Skeletal and Multisystemic Disease Evaluated with Imaging Findings	woma n	27	deny	deny	yes	deny	deny	deny	yes	deny	yes	deny	deny	Type I	lumbar verte bra								
Pubmed		2020	China	Congxiao Wang	Multifocal tuberculosis simulating a cancer_x005f a case report	man	18	deny	deny	yes	deny	yes	yes	yes	yes	deny	deny	yes	deny	Type III	thoracic verte bra	Right side Eight ribs	sacra l	left side ilium				
Pubmed	1991	1998	Filipino	David S.Chang	Primary multifocal tuberculous osteomyelitis with involvement of the ribs	man	31	deny	deny	yes	deny	deny	deny	yes	deny	deny	yes	deny	yes	Type III	Left 1st Nine ribs	offside radi x arcus vertebra e	cervical verte bra					

Pubmed	1995	1998	Senegalese	David S.Chang	Primary multifocal tuberculous osteomyelitis with involvement of the ribs	man	34	deny	deny	yes	yes	yes	yes	yes	deny	deny	deny	yes	Type III	Left shoulder blade	left side Posterior Five ribs	left side Posterior Seven ribs	left side Back Inside Eight ribs	left side Forme r Foreign Minister Side 1	offside acetal bone	offside sacral bone	thoracic verte bra
Pubmed		2008	India	Dhananjaya Sabat	SCAPHOLUNATE DISSOCIATION: A RARE PRESENTATION OF TB WRIST IN A CASE OF MULTI-FOCAL SKELETAL TUBERCULOSIS	woman	13	deny	deny	deny	yes	yes	yes	deny	deny	deny	deny	Type II	the left hand scapholunate	the left hand articular carpal i	radius	ulna	Right clavicle	right crus of diaphragm first metacarpal bone			
Pubmed		2006	Turkey	Duygu Ozol	Active Pulmonary Tuberculosis with Vertebra and Rib Involvement: Case Report	man	26	yes	deny	yes	deny	deny	deny	yes	yes	deny	deny	yes	Type III	The left 8th rib	thoracic verte bra	lumbar verte bra					
Pubmed		1990	Filipino	F. BRETT SHANNON	Multifocal Cystic Tuberculosis of Bone	man	4	deny	deny	deny	yes	yes	yes	deny	deny	deny	deny	Type II	Left shoulder blade	ILR							
Pubmed		2011	Morocco	F.Dlimi	Multifocal bone tuberculosis: A case report	woman	60	deny	deny	deny	deny	yes	yes	deny	deny	deny	deny	Type II	bilateral shin bone								
Pubmed		1996	Pakistan	F.L.DIC KINSON	Multifocal skeletal tuberculosis: Bone scan appearances	woman	27	deny	deny	yes	deny	yes	yes	yes	deny	deny	yes	Type III	Left 4, 8 ribs	cervical verte bra	left side greater trochanter	offside Sacro iliac joint					
Pubmed		1996	Pakistan	F.L.DIC KINSON	Multifocal skeletal tuberculosis: Bone scan appearances	man	28	deny	deny	yes	deny	yes	yes	yes	deny	deny	yes	Type III	Right ankle joint	offside Sacro iliac joint	thoracic verte bra	Right sacrum	Right thigh Bone neck	Right crus of diaphragm ankle bone			
Pubmed		1996	India	F.L.DIC KINSON	Multifocal skeletal tuberculosis: Bone scan appearances	man	42	deny	deny	yes	deny	yes	yes	yes	yes	deny	deny	deny	Type III	lumbar verte bra	thoracic verte bra	offside Sacro iliac joint					
Pubmed		1996	India	F.L.DIC KINSON	Multifocal skeletal tuberculosis: Bone scan appearances	man	42	deny	deny	yes	deny	yes	yes	yes	yes	deny	deny	yes	Type III	lumbar verte bra	thoracic verte bra	offside Sacro iliac joint	Left sacrum	rib			
Pubmed		1996	UK	F.L.DIC KINSON	Multifocal skeletal tuberculosis: Bone scan appearances	man	59	deny	deny	yes	deny	yes	yes	yes	deny	yes	deny	deny	Type III	lumbar	Right hip						

Pubmed	1996	India	F.L.DICKINSON	Multifocal skeletal tuberculosis:Bone scan appearances	woman	60	deny	deny	yes	deny	yes	yes	yes	yes	deny	deny	Type III	lumbar verte bra	thoracic verte bra	Left sacrum	Ilia c joint				
Pubmed	2006	Turkey	Fazil Gelal	Multifocal skeletal tuberculosis involving the lumbar spine and a sacroiliac joint: MR imaging findings	man	70	deny	deny	yes	deny	yes	yes	yes	deny	yes	deny	deny	Type III	offside of Sacroiliac joint	lumbar verte bra	sacrum	ilium			
Pubmed	1983	UK	G.O.HOPKINS	Multiple joint tuberculosis presenting as HLA-B27 disease	man	19	deny	deny	yes	deny	yes	yes	yes	deny	yes	deny	deny	Type III	lumbar verte bra	Left knee joint					
Pubmed	2012	India	Gosal GS	Multifocal Skeletal Tuberculosis Involving the Lumbar Spine and Iliac Bone, Mimic king a Malignant Bone Tumour: A Case Report	man	25	deny	deny	yes	deny	yes	yes	yes	deny	yes	deny	deny	Type III	lumbar verte bra	left side ilium	ischium				
Pubmed	2015	Iran	Hamidreza Haghhighatkhah	Multifocal Skeletal Tuberculosis Mimicking Langerhans Cell Histiocytosis in a Child: a Case Report With a Long-Term Follow-Up	woman	5	deny	yes	yes	yes	yes	yes	yes	yes	yes	deny	deny	Type III	two flanks front al bone	Right shoulder shoul der blade	left ilium	left side pubis	thoracic verte bra	lumbar verte bra	
Pubmed	2017	USA	Hans A.Reyes	Multifocal Osteoarticular Tuberculosis in a Lupus With Sjogren Syndrome Patient	woman	41	unkn own	deny	deny	deny	yes	yes	deny	deny	deny	deny	deny	Type II	offside shin bone	Right hip joint	knee - joint	syste m Sex red Lupus			

Pubmed	2019	Indonesia	Heda Melinda Nataprawira	Multifocal Osteomyelitic Tuberculosis at Rare Locations with Metastatic Tu berculosis Abscess	woman	9	yes	deny	deny	yes	deny	yes	deny	deny	den	Type II	The fifth metacarpal bone of the left hand	Left ulna											
Pubmed	2003	Turkey	Hurrem Bodur	Multifocal tuberculosis presenting with osteoarticular and breast involvement	woman	40	deny	deny	deny	yes	yes	yes	deny	deny	den	Type II	Left ulna	Left radius	Left calcaneus	Left ankle joint	Tibia 1 and plantar joint								
Pubmed	2021	Tunisia	Imen Chabchoub	Multifocal bone tuberculosis simulating metastasis	woman	22	deny	deny	yes	deny	yes	yes	yes	deny	yes	yes	den	Type III	cervical vertebra	lumbar vertebra	sacral bone	Left pubic bone	sternum						
Pubmed	2005	Turkey	Is, lk Keles	Multifocal osteoarticular tuberculosis: a case report	woman	19	yes	deny	yes	deny	yes	yes	yes	yes	yes	den	Type III	offside ilium	offside Sacroiliac joint	thoracic vertebra	lumbar vertebra	cervical vertebra							
Pubmed	2020	Colombia	Isabel Cristina Ramírez Sánchez 1	Multifocal skeletal tuberculosis with mycobacteremia afterkidney transplantation: A case report	man	63	yes	yes	deny	deny	yes	yes	deny	deny	den	Type II	offside thigh-bone	frontal bone	orbital bone										
Pubmed	1988	India	K.Kumar	Multifocal osteoarticular tuberculosis	woman	4	deny	deny	deny	yes	yes	yes	deny	deny	den	Type II	Left knee joint	osseous excretion sites superioris	osseous excretion sites inferiores										
Pubmed	1988	India	K.Kumar	Multifocal osteoarticular tuberculosis	man	31	deny	deny	deny	yes	yes	yes	deny	deny	den	Type II	Left index finger	ankle	Right little finger	Right elbow joint									
Embase scopus wos	2019	Portugal	Lemos, Ana Pereira	Multifocal Chronic Osteomyelitis to Multiresistant Serratia Marcescens in a Child with Sick Cell Disease and Bone Tuberculosis	woman	12	deny	deny	yes	yes	deny	yes	yes	deny	yes	den	Type III	humerus	radius	lumbar vertebra	sacral								
Pubmed	2010	China	Liang Hong	Multifocal skeletal tuberculosis: Experience in diagnosis and treatment	man	29	deny	deny	yes	yes	deny	yes	yes	yes	den	yes	Type III	bilateral spine	thoracic vertebra	radii arcus vertebræ	Right 8, 9, 10 ribs	The left 12th rib	sternum	clavicularis	cervical vertebra	offside ischium	two ilium		
Pubmed	2016	China	LIANG ZHAN	Multifocal skeletal tuberculosis: A case report	man	19	deny	deny	yes	deny	yes	yes	yes	yes	den	yes	yes	Type III	lumbar vertebra	sacral	left ilium	thoracic vertebra	rib	Sacroiliac joint					
Pubmed	2013	Pakistan	Liaqat Ali Chaudhr	A 35-year-old immuno-competent male with open pulmonary tuberculosis associated with extraordinaryextensive extra-pulmonary tuberculosis	man	35	yes	deny	yes	deny	yes	yes	yes	yes	yes	den	den	den	Type III	lumbar	thoracic	Left hip joint	bilateral Sacro	Right hip joint					

																	vertebra	vertebra	iliac joint												
Pubmed	2004	Pakistan	M.Ali	qy_Symmetrical lytic lesions in ulna unusual presentationof multifocal osteoart	woman	25	deny	deny	deny	yes	deny	yes	deny	deny	deny	deny	Type II	bilateral ulna													
Pubmed	2001	Turkey	M.TUR GUT	Multifocal extensive spinal tuberculosis (Pott's disease) involving	woman	53	deny	deny	yes	deny	deny	yes	yes	yes	yes	den	den	Type I	cervical vertebral vertebral vertebral	thoracic vertebral	lumbar vertebral										
Pubmed	2001	South Africa	Mahomed	iThid1 bb Osseous Manifestations of Tuberculosis in Children	woman	1	unkn own	deny	deny	yes	yes	yes	deny	deny	den	den	den	Type II	humerus	thigh bone	shin bone										
Pubmed	2001	South Africa	Mahomed	Osseous Manifestations of Tuberculosis in Children	man	3	unkn own	deny	deny	yes	den	yes	den	den	den	den	den	Type II	humerus	radius											
Pubmed	2001	South Africa	Mahomed	Osseous Manifestations of Tuberculosis in Children	man	3	unkn own	deny	deny	den	yes	yes	den	den	den	den	den	Type II	first metatarsal bones	centrale											
Pubmed	2001	South Africa	Mahomed	Osseous Manifestations of Tuberculosis in Children	man	4	unkn own	deny	deny	yes	den	yes	den	den	den	den	den	Type II	big toe metacarpal bone	near-end Phalanges											
Embase scopus wos	2009	Iran	Majid Assadi	Diagnostic role of whole body bone scintigraphy in atypical skeletal tuberculosis resembling multiple metastases: a case report	man	73	deny	yes	yes	yes	yes	yes	yes	den	den	den	den	yes	Type II	Right occipital parietal area	Right orbit front al area	Left clavicle	Right thorax Subclavicular margin	Right thorax regi ones clavicularis	rib	Right humerus	Right femur	Right tibia	Right ankle joint	Right 1st toe articulation es digitorum manus	left anterior arm, artificie , Hand



																ni	bra										
Pubmed		2021	India	Rashmi Singh	Multifocal Osseous Tuberculosis Mimicking Langerhans' Cell Histiocytosis: A Case Series	man	3	yes	yes	deny	deny	yes	yes	deny	deny	deny	deny	deny	Type II	left side front al bone	parietal bone	Mastoid bone	left side ilium	offside thigh -bone	basis crani i		
Pubmed		2021	India	Rashmi Singh	Multifocal Osseous Tuberculosis Mimicking Langerhans' Cell Histiocytosis: A Case Series	woma n	8	deny	yes	yes	deny	deny	den y	yes	den y	yes	yes	yes	den y	Type III	Right parietal	cervical verte bra	lumbar verte bra	sacral			
Embase scopus wos		2020	India	Rohan Sardana	Tuberculosis of the axial skeleton mimicking malignancy	woma n	29	deny	deny	yes	deny	yes	den y	Type III	lumbar verte bra	thoracic verte bra	sacrum	sternum	cervical verte bra	two flanks sacrum	two flanks ilium						
Embase scopus wos		1994	Israel	RUTH HARD OFF	Multifocal Osteoarticular Tuberculosis Resembling Skeletal Metastatic Disease	woma n	12	deny	yes	yes	yes	den y	yes	yes	yes	yes	den y	den y	den y	Type III	Left elbow	lumbar verte bra	thoracic verte bra	Left shoulder	upper left jaw	Left temporal lower jaw joint	sternum
Pubmed		2008	Tunisia	S.Hassen-Zroun	Dactylite tuberculeuse multifocale: à propos d'un cas Multifocal tuberculous dactylitis: A case report	woma n	42	deny	deny	deny	yes	den y	yes	den y	Type II	the right hand third phalanx	the left hand fourth phalanx	the left hand third phalanx									
Pubmed		2020	Morocco	Salah Oueraghli Nahib	Contribution of radiobiphosphonates bone scan in multifocal tuberculous osteomyelitis	man	86	unkn own	den y	yes	yes	den y	yes	yes	yes	den y	yes	den y	den y	Type III	bilateral clavicles	bilateral humerus	cervical verte bra	thoracic verte bra			



Pubmed		2022	China	Yen- C h un Chiu	Single posterior approach for circumferential debridement and anterior reconstruction using fibular allograft in patients with skipped multifocal spinal tuberculosis	man	58	unkn own	deny	yes	deny	deny	deny	yes	yes	yes	deny	deny	deny	Type I	thora cic verte bra	lumbar verte bra					
Pubmed		2022	China	Yen- C h un Chiu	Single posterior approach for circumferential debridement and anterior reconstruction using fibular allograft in patients with skipped multifocal spinal tuberculosis	man	60	unkn own	deny	yes	deny	deny	deny	yes	yes	yes	deny	deny	deny	Type I	thora cic verte bra	lumbar verte bra					
Pubmed		2022	China	Yen- C h un Chiu	Single posterior approach for circumferential debridement and anterior reconstruction using fibular allograft in patients with skipped multifocal spinal tuberculosis	woman	63	unkn own	deny	yes	deny	deny	deny	yes	yes	yes	deny	deny	deny	Type I	thora cic verte bra	lumbar verte bra					
Pubmed		2022	China	Yen- C h un Chiu	Single posterior approach for circumferential debridement and anterior reconstruction using fibular allograft in patients with skipped multifocal spinal tuberculosis	man	66	unkn own	deny	yes	deny	deny	deny	yes	yes	yes	deny	deny	deny	Type I	thora cic verte bra	lumbar verte bra					



				5													vertebra										
Vip		2016	China	Chen Yonglin 6	Clinical analysis of six cases of misdiagnosis of atypical multiple bone and joint tuberculosis	woman	62	deny	deny	yes	deny	deny	deny	yes	deny	yes	deny	deny	deny	Type I	lumbar vertebral						
CNKI		2010	China	Dong Aisheng	One case of multiple bone tuberculosis	man	18	deny	deny	yes	deny	yes	yes	yes	deny	yes	yes	deny	deny	Type III	cervical vertebral	lumbar vertebral	offside calcaneus				
all places	1957	1959	China	Dong Jinxing	A case report of multiple cystic bone tuberculosis	man	54	yes	deny	yes	deny	deny	deny	yes	yes	yes	deny	yes	yes	Type III	thoracic vertebral	lumbar vertebral	The left 1st rib	Right side 1,, 2、5 , 6 ribs	right sacrum		
all places	1987	1989	China	Jia Ming Suo	A case report of multiple cystic bone tuberculosis	woman	2	yes	yes	deny	yes	yes	deny	deny	deny	deny	deny	deny	Type II	Left radius	Right pubic bone	offside occipital bone					





Vip		2007	China	Yang Zhiyun	One case of multiple bone and joint tuberculosis in the skull base, sphenoid and saddle area and the whole body	man	7	yes	yes	deny	yes	deny	yes	deny	deny	deny	deny	deny	Type II	Left clavicle	offset side ulna	Right minor Point near The phalanges	basis						
CNKI		2013	China	Yu Yipin 1	Three cases of bone tuberculosis combined with multiple bone infarction are reported	woman	54	deny	deny	deny	deny	yes	yes	deny	deny	deny	deny	deny	Type II	bilateral thigh -bone	bilateral shin bone	syste m Sex red yabby Sore for 6 years							
CNKI		2013	China	Yu Yipin 2	Three cases of bone tuberculosis combined with multiple bone infarction	man	57	yes	deny	deny	deny	yes	yes	deny	deny	deny	deny	deny	Type II	offset side shin bone	offset side thigh -bone	He has been drink ing for 30 year s							
CNKI		2013	China	Yu Yipin 3	Three cases of bone tuberculosis combined with multiple bone infarction are reported	woman	25	yes	deny	deny	deny	yes	yes	deny	deny	deny	deny	deny	Type II	bilateral thigh -bone	bilateral shin bone	neph roma synth esize Three years of servi ce							
CNKI		1992	China	Yue Jiabin	One case of multiple cystic bone tuberculosis was reported	man	5	unkn own	deny	yes	yes	yes	yes	yes	deny	deny	yes	deny	yes	Type III	offset side pubis	Right humerus	Right shoulder blade	offset side perone	Right femur	7th cervi cal verte bra	Right 8th rib	Left 8th posterior rib	Left 2nd anterior rib
CNKI		2009	China	Zhang Lixia	One case of multiple bone tuberculosis with nodular erythema as the initial manifestation	man	41	yes	deny	deny	deny	yes	yes	deny	deny	deny	deny	deny	Type II	Dou ble patella	left side thigh -bone	Right tibia							
CNKI	1991	1993	China	Zhao Xiuzhen	Multiple bone and joint tuberculosis with bilateral pleural effusion	man	40	deny	deny	yes	yes	yes	yes	yes	yes	deny	deny	yes	Type III	thoracic verte bra	Right 5th and 6th ribs	Shoulders shoulder blade	Double Ilium Bone	Double pubic bone					