

**Table S1 Baseline characteristics of the 67 cases**

Case	Age (years)/ gender	Bones involved	Pleural effusion or chylothorax	Therapy protocol	Follow-up time (months)	Outcome
1981 (case1) Le XX <i>et al.</i>	29/M	Left humerus		Reconstruction using prostheses	48	Controlled
1981 (case2) Le XX <i>et al.</i>	43/M	Clavicles, ribs, sternum, cervical vertebrae		Reconstruction using bone grafts	18	Died
1982 (case1) Zhou KR <i>et al.</i>	18/F	Ribs		Radiation	12	Controlled
1982 (case2) Zhou KR <i>et al.</i>	25/M	Ribs		Resection of the lesion	24	Progression
1985 (case1) Qu H <i>et al.</i>	18/M	Cavicle, scapula, left humerus	Chylothorax	N/A	6	Progression
1985 (case2) Qu H <i>et al.</i>	27/F	Right ilium, acetabulum, sacroiliac joint	Pleural effusion	N/A	N/A	N/A
1986 (case1) Zhang WM <i>et al.</i>	28/M	Femur		Radiation (57 Gy)	60	Progression
1986 (case2) Zhang WM <i>et al.</i>	24/M	Right tibiofibula		Reconstruction using prostheses	48	Controlled
1986 (case3) Zhang WM <i>et al.</i>	29/M	Left ribs	Pleural effusion	Cyclophosphamide+fluorouracil	22	Progression
1989 He JY <i>et al.</i>	19/F	Ilium, femur, ischium, pubis, sacrocoecyx		N/A	N/A	N/A
1991 Zhang GL <i>et al.</i>	33/F	Left femur		N/A	12	Progression
1991 (case1) Han X <i>et al.</i>	11/F	Tibia, femur		Reconstruction using bone grafts	2	Progression
1991 (case2) Han X <i>et al.</i>	18/M	Clavicle, scapula, humerus	Chylothorax	Thoracic duct ligation +chest drainage	3	Controlled
1993 Wu YT <i>et al.</i>	23/M	Mandible		Reconstruction using prostheses	18	Controlled
1993 (case1) Liu SZ <i>et al.</i>	19/F	Ischium, pubis		N/A	N/A	N/A
1993 (case2) Liu SZ <i>et al.</i>	17/M	Ulna, radius		Radiation	72	Progression
1994 Liang JG <i>et al.</i>	61/F	Right scapula, right clavicle		Resection of the lesion	N/A	N/A
1994 Yang JP <i>et al.</i>	36/M	Right femur		Resection of the lesion	N/A	N/A
1994 (case1) Wang H <i>et al.</i>	54/M	Right ilium, right femur		N/A	26	Progression
1994 (case2) Wang H <i>et al.</i>	25/M	Left tibiofibula, ankle joint, foot		Reconstruction using prostheses	12	Controlled
1995 Li K <i>et al.</i>	43/F	Mandible		N/A	N/A	N/A
1996 Huang Q <i>et al.</i>	24/M	Right ilium, sacroiliac joint		radiation	8	Controlled
1996 Jiang CL <i>et al.</i>	30/F	Ribs, sacrum, lumbar vertebrae, thoracic vertebrae		N/A	102	Progression
1997 Li JF <i>et al.</i>	15/M	Radius, foot		Reconstruction using prostheses	15	Controlled

1998 Bai BC <i>et al.</i>	23/M	Femur, ilium		Calcium salts+vitamin D	72	Controlled
1998 Yang YY <i>et al.</i>	25/M	Right hip bone		Resection of the lesion	N/A	N/A
2000 Feng XM <i>et al.</i>	33/M	Cervical vertebrae		Resection of the lesion	N/A	N/A
2000 Zhou ZB <i>et al.</i>	21/M	Pubis, femur, ischium, hip bone, tibia, lumbar vertebrae, sacral vertebrae		N/A	204	Progression
2000 (case1) Zhao ZQ <i>et al.</i>	37/F	Left scapula, left clavicle	chylothorax	N/A	18	Progression
2000 (case2) Yang XL <i>et al.</i>	63/M	Hip bone, lumbar vertebrae		N/A	N/A	N/A
2000 (case2) Zhao ZQ <i>et al.</i>	25/M	Metatarsal bones		Resection of the lesion	N/A	N/A
2000 (case3) Zhao ZQ <i>et al.</i>	14/M	Right scapula		N/A	N/A	N/A
2000 (case4) Zhao ZQ <i>et al.</i>	41/M	Right ilium		N/A	24	Controlled
2001 Chang LC <i>et al.</i>	9/M	Right ulna		N/A	N/A	N/A
2001 Wang TS <i>et al.</i>	19/F	Mandible		N/A	N/A	N/A
2001 Zeng S <i>et al.</i>	15/M	Scapula, clavicle, os petrosum, occipital bone	Chylothorax	Vitamin B complex+interferon	2	Controlled
2001 (case1) Yang XL <i>et al.</i>	65/M	Maxilla, frontal bone, temporal bone, occipital bone		N/A	N/A	N/A
2002 Li HC <i>et al.</i>	17/M	Right clavicle	Chylothorax	Thoracic duct ligation+ pleurodesis	12	Controlled
2002 Qiu DS <i>et al.</i>	68/M	Maxilla, os orbitale, frontal bone, temporal bone, parietal bone		Radiation	24	Controlled
2002 Yao YR <i>et al.</i>	5/M	Tibia		N/A	24	Progression
2003 (case1) Liu F <i>et al.</i>	40/M	Femur		Reconstruction using prostheses	N/A	N/A
2003 (case2) Liu F <i>et al.</i>	16/M	Right femur		Reconstruction using bone grafts	12	Progression
2004 Jin HM <i>et al.</i>	23/F	Acetabulum, femur		N/A	N/A	N/A
2004 Pei FX <i>et al.</i>	18/F	Ischium		N/A	N/A	N/A
2004 Shou YM <i>et al.</i>	16/M	Ribs, thoracic vertebrae, lumbar vertebrae	Chylothorax	Chest drainage+radiation	4	Controlled
2004 Wang G <i>et al.</i>	8/M	Clavicle, ilium, ribs, bones of cranium	Chylothorax	Pleurodesis+chest drainage	12	Progression
2004 Yu HC <i>et al.</i>	32/F	Ribs, thoracic vertebrae		N/A	N/A	N/A
2005 Li B <i>et al.</i>	12/F	Right femur		N/A	N/A	N/A
2005 Liu XX <i>et al.</i>	20/M	Pubis, ischium, acetabulum		Resection of the lesion	N/A	N/A
2005 Xue W <i>et al.</i>	1.5/M	Left femur		Interferon	N/A	N/A
2006 Chen Z <i>et al.</i>	12/F	Femur		Reconstruction using prostheses	N/A	N/A

2006 Hu RF <i>et al.</i>	32/F	Right ribs		Resection of the lesion	36	Controlled
2007 HE MY <i>et al.</i>	37/F	Temporal bone, parietal bone		N/A	N/A	N/A
2007 Liu XY <i>et al.</i>	14/M	Radius		Radiation (50Gy)	12	Controlled
2007 Wang YH <i>et al.</i>	51/M	Mandible		Resection of the lesion	N/A	N/A
2008 Chen HP <i>et al.</i>	26/F	Scapula, femur		N/A	N/A	N/A
2008 Liao GQ <i>et al.</i>	20/F	Maxilla, mandible, zygomatic bone		Resection of the lesion	N/A	N/A
2008 Xin LW <i>et al.</i>	19/F	Pubis, femur		Diphosphonate	6	Controlled
2008 Yu XX <i>et al.</i>	25/M	Clavicle, ribs	Chylothorax	Cyclophosphamide+fluorouracil	N/A	N/A
2008 Zhong LP <i>et al.</i>	31/M	Maxilla, mandible, omatic bone		Resection of the lesion	10	Progression
2009 Mou YK <i>et al.</i>	71/M	Clavicle		Calcitonin salmon+alendronate sodium	10	Controlled
2009 Wang YJ <i>et al.</i>	59/F	Left humerus		Reconstruction using prostheses	10	Controlled
2009 Xing L <i>et al.</i>	45/F	Bones of upper limb		Resection of the lesion+ radiation (30.6 Gy)	24	Controlled
2009 Zhang J <i>et al.</i>	40/M	Cranium		Resection of the lesion	12	Controlled
2010 Liang P <i>et al.</i>	29/M	Tibiofibula, femur , ankle joint,foot		Resection of the lesion	12	Controlled
2010 Luo Y <i>et al.</i>	16/F	Ilium, pubis, femur, humerus, scapula, tibiofibula, clavicle		N/A	N/A	N/A
2010 Xu HJ <i>et al.</i>	29/M	Metacarpal bones, phalanges of fingers		N/A	N/A	N/A

F: female; M: male; N/A: not available; Controlled: the radiographic presentation of the affected bone hadn't changed, and no newly emerging bone destruction; Progression: progressive resorption of the affected bone and/or newly emerging bone destruction