

Table S1 Detailed clinical data of 18 patients with osteosarcoma

N	Age	Gender	Tumor location	Tumor size (cm)	Enneking stage	Histologic type	Pulmonary metastasis	Pathological fracture	Serum AKP levels before treatment	KPS score
1	9	Female	Femur	4.5	II B	Osteoblastic	No	No	Increase	80
2	11	Female	Tibia	5.4	II B	Fibroblast	No	No	Increase	80
3	11	Male	Femur	4.8	II B	Chondroblast	No	No	Increase	80
4	12	Male	Femur	3.7	II B	Osteoblastic	No	No	Normal	80
5	14	Female	Tibia	3	I B	Well differentiated in bone	No	No	Normal	90
6	15	Female	Femur	9.2	III	Dedifferentiated parosteal	Yes	No	Increase	70
7	15	Male	Femur	3.4	II B	Chondroblast	No	No	Normal	80
8	18	Male	Humerus	3.3	I B	Parosteal	No	No	Normal	90
9	20	Male	Femur	8.8	III	Round cell	Yes	No	Increase	70
10	21	Female	Spine	3.8	II B	Osteoblastic	No	No	Increase	80
11	24	Male	Tibia	11.6	III	Malignant fibrous histiocytoma	Yes	No	Increase	70
12	29	Male	Femur	10.4	III	Telangiectatic	Yes	Yes	Increase	60
13	33	Male	Humerus	2.5	I A	Parosteal	No	No	Normal	90
14	36	Female	Tibia	4.1	II B	Osteoblastic	No	No	Increase	80
15	41	Male	Femur	4.4	II B	Fibroblast	No	No	Normal	80
16	48	Female	Tibia	5	II B	Osteoblastic	No	No	Increase	80
17	55	Female	Femur	12.3	III	Telangiectatic	Yes	Yes	Increase	50
18	61	Male	Femur	5.4	II B	Fibroblast	No	No	Increase	80