



10% (malignant fibrous histiocyte-like dedifferentiated sarcoma) (peculiar neurallike whirling pattern associated with metaplastic bone formation) 가 .

69 1 .

가 , (Fig. 1A). T1 T2 (borderline) (high - grade) (1, 2). 가 , T1 , T2 (1, 3). 가 , T1 (Fig. 1B, C).

가 , T1 (Fig. 1D, E). 가 30×23×9 cm (medial 2000 gm condyle) 15×20 cm 5×4 cm 가 (Fig. 2). 가 (Fig. 3A),

69

20

14

2002 8 8

2002 10 30

(Fig. 3B)

(peculiar neurallike
whirling pattern associated with metaplastic bone forma-
tion) (Fig. 3C, D)

Dhalin

1967 Evans

(malignant fibrous histio-
cytoma)
16 - 18% (1).

, 1994 WHO

(1, 2).

40 50

(1),

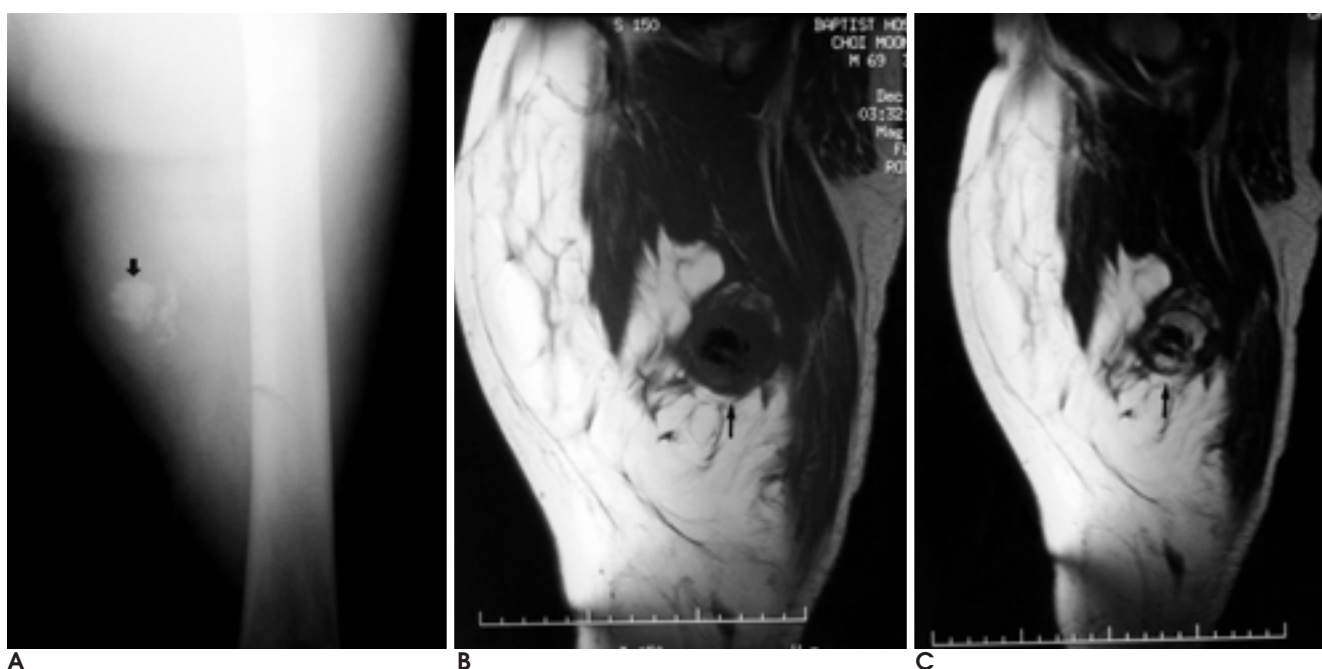


Fig. 1. Dedifferentiated liposarcoma of the thigh in a 69-year-old man.
A. AP radiography demonstrates a large mass in the medial aspect of the left thigh. Note large dense mineralization (solid arrow) within the mass.
B. On T1-weighted sagittal image, a large thigh mass has signal intensity equal to the fat within multiple hypointense septae and relatively round non-lipomatous mass with dark signal intensity foci seated deep portion of the lipomatous mass (arrow).
C. Increased signal intensity of the deep seated round mass with dark signal intensity foci (arrow) on T2-weighted sagittal image is compared to T1-weighted sagittal image.
D, E. On fat-suppressed T1 weighted axial & sagittal image following Gd-DTPA, most part of the mass shows a signal intensity similar to that of subcutaneous fat, whereas the non-lipomatous component does not (arrow).

(51%) , 30%, 8% , 4% (1). (3). 가 (atypical lipoma) (well - differentiat - ed liposarcoma) , (1, 2). 가 가 가 (1, 2). 10% 가 , (1). Deirdre (3) 32 15 가 , 6 . (spermatic cord) 1 (4), 1 (5), 1 (6) 1 (7) 4 가 . 가 (pleomorphic sarcoma) (, secondary dedifferenti - ation), (malignant fibrous histiocytoma with pleo - morphism) (myxofibrosarcoma) (3). 가 (, primary dedifferentiation) (8). Evans (2)

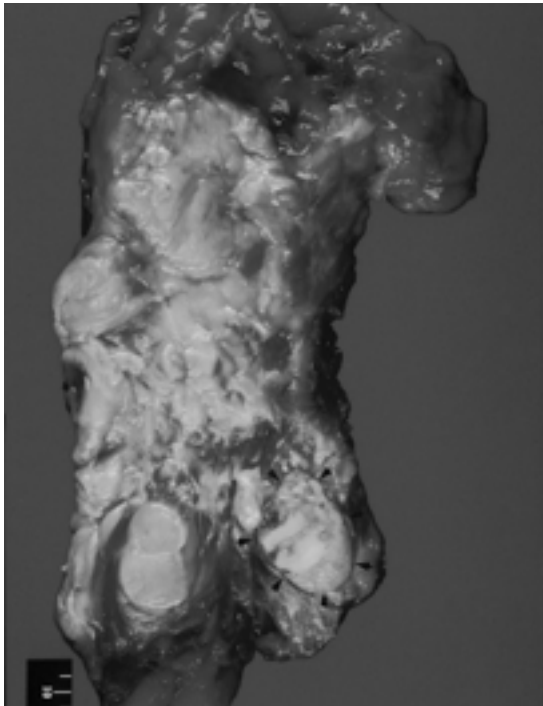
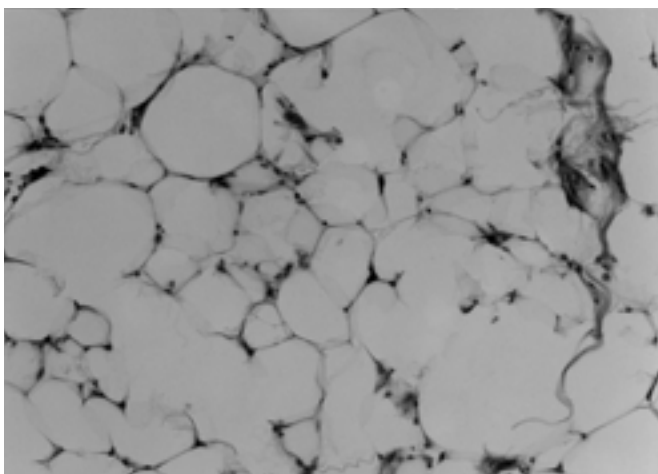


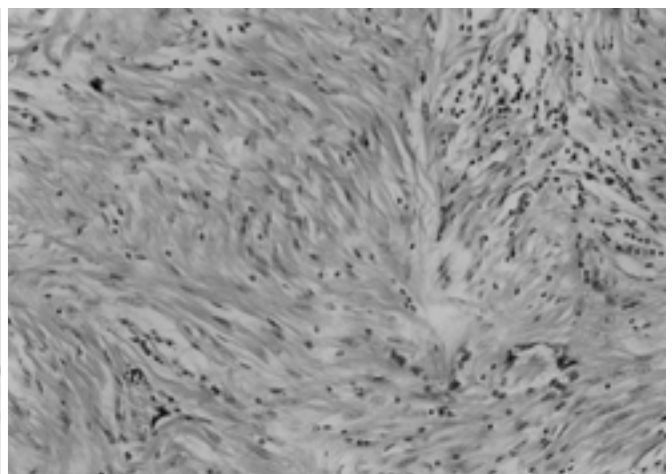
Fig. 2. Gross findings. The tumor is huge, multilobular mass. Cut surface is light yellowish with well-demarcated nodule representing focus of metaplastic bone formation (arrow-heads).



A

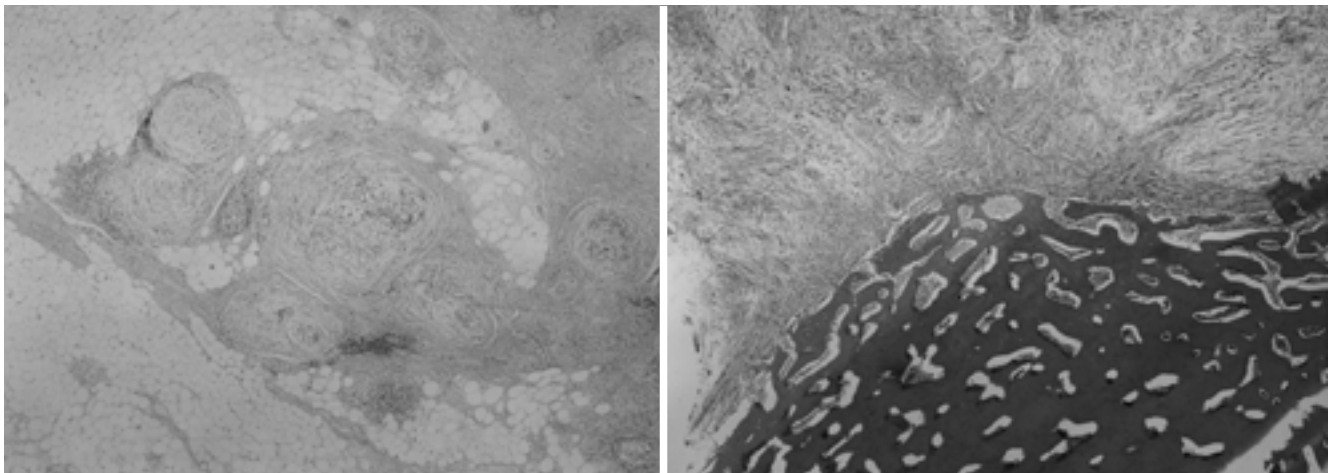
Fig. 3. Microscopic findings.

A. Photomicrograph of well-differentiated component of tumor shows a fibrous septum containing cells with mature fat cells and scattered lipoblasts (H & E, $\times 200$).



B

B. Photomicrograph of nonlipogenic malignant fibrous histiocytoma portion of mass shows a pleomorphic cell with distinct spindle cell pattern (H & E, $\times 200$).



Case	Age	Sex	Location	Size	Imaging	Pathology	Outcome
1	30	M	Right thigh	10 cm	MR	Well-differentiated liposarcoma	10 years
2	45	F	Left thigh	12 cm	MR	Well-differentiated liposarcoma	5 years
3	60	M	Right thigh	15 cm	MR	Well-differentiated liposarcoma	10 years
4	55	F	Left thigh	18 cm	MR	Well-differentiated liposarcoma	15 years
5	70	M	Right thigh	20 cm	MR	Well-differentiated liposarcoma	20 years
6	40	F	Left thigh	10 cm	MR	Well-differentiated liposarcoma	10 years
7	50	M	Right thigh	12 cm	MR	Well-differentiated liposarcoma	15 years
8	65	F	Left thigh	15 cm	MR	Well-differentiated liposarcoma	20 years
9	75	M	Right thigh	18 cm	MR	Well-differentiated liposarcoma	25 years
10	80	F	Left thigh	20 cm	MR	Well-differentiated liposarcoma	30 years

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Dedifferentiated Liposarcoma in the Thigh: Case Report¹

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Dedifferentiated liposarcoma occurs in less than 10% of all liposarcoma and is found most often in the retroperitoneum and extremities. Histologically, the tumor was composed of well-differentiated liposarcomatous areas with malignant fibrous histiocytoma-like area, peculiar neurallike whirling pattern associated and focal metaplastic bone formation. The rare radiologic feature of this have not been sufficiently described in the previous literature, and we now report a case of dedifferentiated liposarcoma in the thigh.

Index words : Liposarcoma
Soft tissues, neoplasms
Soft tissues, MR

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