

[ PICTURES IN CLINICAL MEDICINE ]

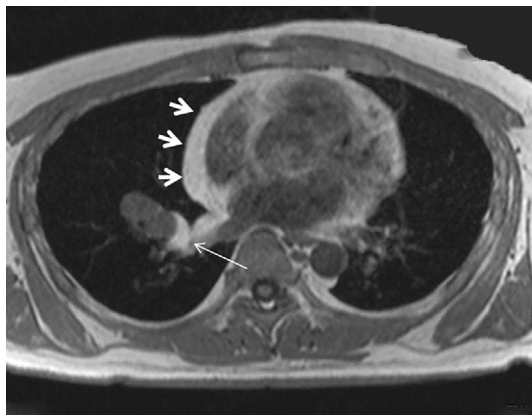
## Dedifferentiated Liposarcoma Occurring in the Right Pulmonary Hilum

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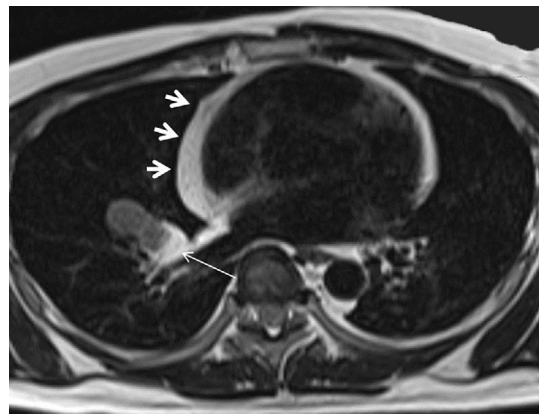
**Key words:** liposarcoma, MRI

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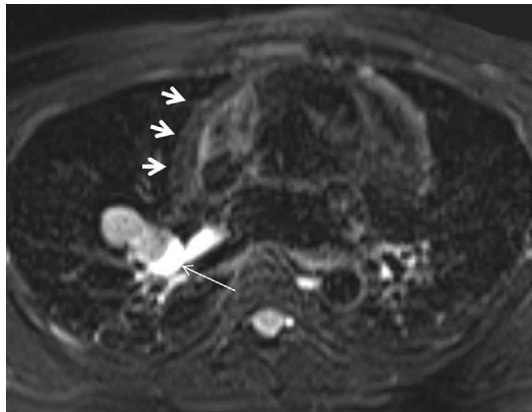
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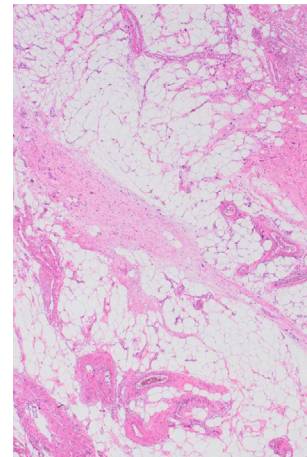
**Picture 1.**



**Picture 2.**



**Picture 3.**



**Picture 4.**

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A few previous reports have presented the imaging findings of mediastinal dedifferentiated liposarcomas (1, 2). We herein report a surgically resected case of dedifferentiated liposarcoma occurring in the right pulmonary hilum in a 47-year-old asymptomatic man. Magnetic resonance imaging (MRI) showed that the medial part of the lesion (arrow) as well as a prominent pericardial fat pad (arrowheads) had high signal intensity (SI) on both T1-weighted imaging (T1WI) (Picture 1) and T2WI (Picture 2). However, although the SI of the pericardial fat pad (arrowheads) was reduced on fat-suppressed T2WI, the medial part of the lesion (arrow) displayed homogeneous high SI (Picture 3). Pathologically, the lateral part of the lesion was a dedifferentiated liposarcoma component, while the medial part of the lesion was sclerosing-type well-differentiated liposarcoma tissue containing collagen with low cellularity and edematous stroma (Picture 4). MRI might be useful for revealing

the malignant potential of the fatty components of a tumor.

**The authors state that they have no Conflict of Interest (COI).**

### References

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