Dear Editor,

We have read the article numbered doi: 10.5152/jarem.2012.09 with the title "A rare case: gluteal muscular metastasis of bladder cancer" presented under Case Presentation by Akın et al. in the April 2012 issue of your journal. We would like to mention a case of multiple organ metastasis of bladder cancer, which we consider would contribute to this valuable article. Bladder cancer is most commonly metastatic to the lymph nodes, lung, bone, liver, and adrenal glands (1, 2). Orbita and pituitary gland metastases are very rare. There are cases in the literature that presented with orbital metastasis findings before bladder cancer diagnosis. Orbital metastases are considered to be indicators of poor prognosis. The mean survival time is reported to be 3 months (3). Pituitary metastases are generally rare clinically. They have been detected as occurring between 1% and 25% in the autopsies of those who had had malignancy at the terminal stage. Pituitary gland metastases generally originate from the breast and lung. Pituitary gland metastasis from the bladder is rare. The cases are generally asymptomatic, and diabetes insipidus or oculomotor nerve palsies can be seen (4). In our case, a 69-year-old male patient presented with intermittent gross hematuria and irritative micturation. There was no medical feature in his medical history. Urothelial carcinoma was detected in the bladder. Mass lesion was observed in the right lung in chest radiography. Orbital magnetic resonance (MR) imaging was performed because of redness in the left eye in fundus examination. In orbital MR, the mass lesion was observed to not extend out of the globus at the medial in the left globus, which had a hypointense feature in T2-weighted series and a mild hyperintense feature in T1-weighted series, with contrast involvement restricted in diffusion in diffusion-weighted examination and with a diameter of approximately 12×8×17 mm at its widest (Figure 1). Pituitary and brain MR were conducted on observing the mass in cella in the sections examined. In the pituitary MR, a mass lesion with an approximate diameter of 27×33 mm at its widest was observed, which had sellar-suprasellar localization, generated pressure on the optic chiasm, had thickened infundibulum, and had extension into the sphenoid sinus. The mass leaned to the cavernous portion of the bilateral internal carotid

Figure 1. Mass lesion having contrast involvement not extending out of the globus in the medial and left globus in orbital MR. MR: Magnetic resonance

Figure 2. Mass lesion having sellar-suprasellar localization, generating pressure on the optic chiasm, a thickening infundibulum, and having extension into the sphenoid sinus in pituitary MR. MR: Magnetic resonance

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artery and extended to the cavernous sinus (Figure 2). No other mass lesion was detected in brain MR. Bladder Ca metastasis was verified in the biopsy. In the positron emission tomography/computerized tomography examinations, widespread hypermetabolic metastatic lesions were detected in the right lung lower lobe superior segment and right lung middle and lower lobe bronchus neighborhood; in both the lungs and the subpleural region; in the left orbita, hypophysis, and in a large number in the liver; in the left adrenal gland and bilateral renal neighborhood and fat tissue; in the bilateral anterior peridiaphragmatic region and neighborhood of the lower end anterior esophagus; in the neighborhood of the pancreatic tail and the right external iliac region; and in the right scapula posterior and the right abdominal wall between the muscular structures and musculoskeletal system (Figure 3). The case died a month later. Consequently, striated muscular structures, pituitary gland, and orbita metastasis are rare, and pituitary gland metastases may not have clinical findings. These metastases are indicators of poor prognosis.

REFERENCES