



가 . 63

(plasma cell tumor)

(plasmacytoma)

(multiple myeloma)

10%

(extramedullary)

(1).

(2).

가

0.7 - 1.7 cm

(Fig. 3).

(Fig. 4).

kappa (light chain)

lambda (monoclonality)

(Fig. 5).

63

가 4

IgG 4,871 mg/dL , protein 10.6 g/dL, albumin 3.4 g/dL

IgG kappa type

(monoclonal gammaglobulinemia)

가

kappa type Bence - Jones proteinuria가

(1, 3, 5),

(4).

가

가

Kondo (2) 53

가

가

(layering)

(adenomyomatosis),

가 (6).

)

(halo)가

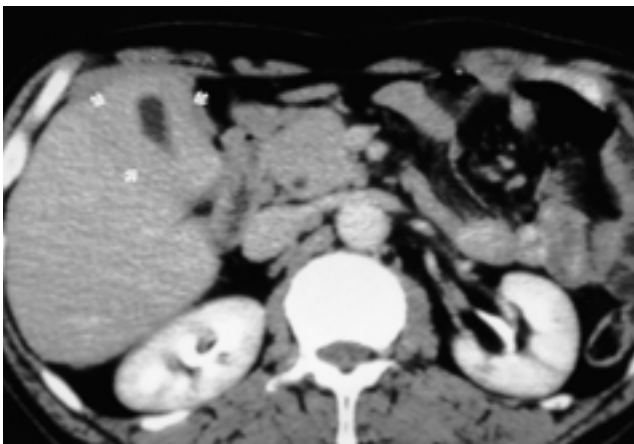
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Rokitanski Aschoff sinus

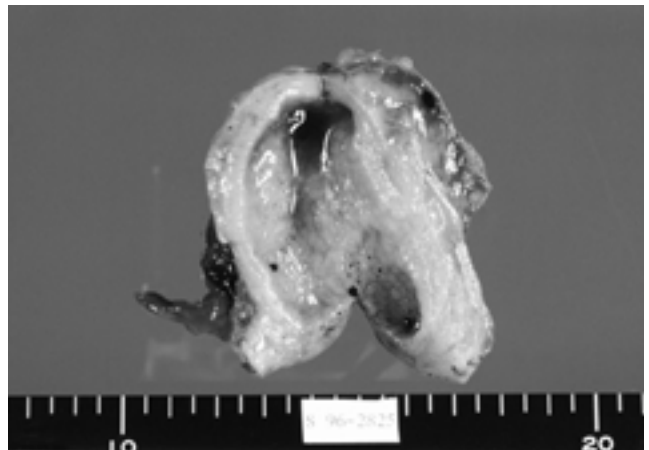
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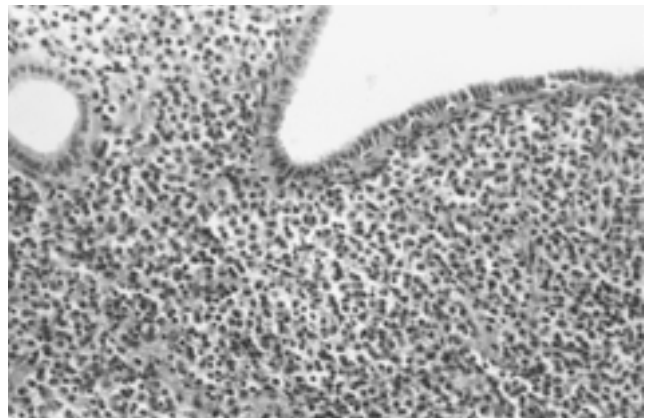
**Fig. 1.** Longitudinal ultrasonogram of the gallbladder shows diffuse and uniform thickening of the gallbladder wall (large arrows) and internal echogenic debris (small arrow). Note homogeneous echotexture of the thickened gallbladder wall without preservation of layering.



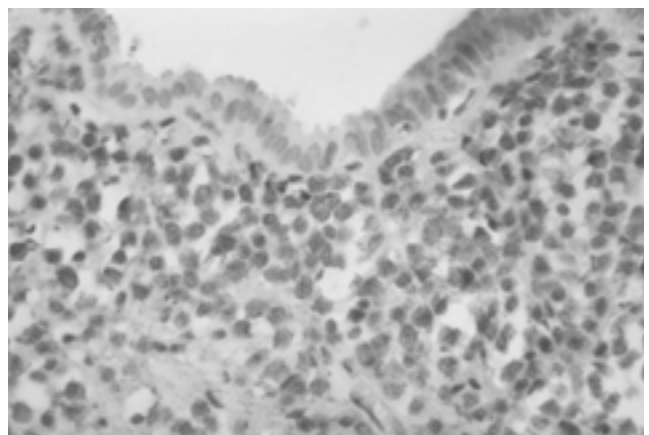
**Fig. 2.** Contrast-enhanced CT scan of the gallbladder shows diffuse and uniform thickening of the gallbladder wall (arrows). Note slight and homogeneous enhancement of the thickened gallbladder wall without preservation of layering.



**Fig. 3.** Resected specimen of the gallbladder shows diffuse thickening of the gallbladder wall replaced by fleshy and whitish tumor tissue.



**Fig. 4.** Photomicrograph of the surgical specimen shows diffuse infiltrates of monotonous mononuclear cells indicating plasma cells (Hematoxylin-eosin stain; original magnification  $\times 200$ ). Note monomorphic population of plasma cells with variable atypia. These plasma cells were confined to the gallbladder wall without infiltration to the surrounding tissue.



**Fig. 5.** Immunohistochemically stained section (ABC method; original magnification,  $\times 400$ ) shows brownish granules within the cytoplasm of plasma cells indicating immunoreactivity for kappa light chain immunoglobulin.

가  
가  
Kondo (2)  
nisone and interferon)  
(regrssion)

가  
가

가

1. Miller FR, Lavertu P, Wanamaker JR, Bonafede J, Wood BG. Plasmacytomas of the head and neck. *Otolaryngol Head Neck Surg* 1998;119:614-618
2. Kondo H, Kainuma O, Itami J, Minoyama A, Nakada H. Extramedullary plasmacytoma of maxillary sinus with later involvement of the gallbladder and subcutaneous tissues. *Clin Oncol* 1995;7:330-331
3. Geetha J, Manjula P, Linda K. Primary pulmonary plasamcytoma. *Cancer* 1993;71:721-724
4. Lake G, Schade RR, Van Thiel DH. Extrahepatic biliary tract obstruction due to plasmacytoma. *J Clin Gastroenterol* 1983;5:273-276
5. : 1  
1999;40:887-889
6. Gore RM, Levine MS, Laufer I. *Textbook of Gastrointestinal Radiology*. Philadelphia : Saunders, 1994:1712-1726

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## Extramedullary Plasmacytoma of the Gallbladder: A Case Report<sup>1</sup>

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Extramedullary plasmacytoma of the gallbladder is extremely rare. A review of the literature in English revealed only one case, involving a patient with initial extramedullary plasmacytoma of the maxillary sinus.

In this report, we describe the case of a 63-year-old man with surgically confirmed extramedullary plasmacytoma confined to the gallbladder. At ultrasonography and computed tomography, diffuse and uniform thickening of the gallbladder wall without evidence of surrounding tissue infiltration was depicted.

**Index words :** Plasmacytoma  
Gallbladder, neoplasms  
Gallbladder, CT  
Gallbladder, US

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