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Case Report

A Rare Case of Incidentally Detected Urinary Bladder Lipoma

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Abstract: Urinary bladder lipomas are rare benign neoplasm. These are fatty tumors made of adipose tissue. Very few cases has been documented in literature. Hence, it necessary to be know the typical imaging finding when incidentally detected in imaging. We report a case of 70 year who presented with complaints of loose stool and right iliac fossa pain. Patient gives no history of any recent urinary tract complaints or previous history of urinary tract infection or any previous urological complaint.

Keywords: Visceral lipoma, lipoma, computed tomography, mesenchymal tumours.

INTRODUCTION

Urinary bladder lipoma's are the benign fatty-tumors of adipose tissue. Bladder lipomas are of very rare neoplasm, very few cases have been documented in literature.

These are generally classified into the histological pattern whereas conventional lipomas are common variant. The conventional lipomas appear as a well-encapsulated mature adipocytes involving superficial tissues of proximal limbs and trunk, however visceral lipomas are less common than the superficial lipomas but have similar histopathological pattern. However clinical presentation is nonspecific, hence, it necessary to be know the typical imaging finding when incidentally detected in imaging.

CASE REPORT

We present a case of urinary bladder lipoma discovered incidentally during work up for lower abdominal pain in a 70 year old elderly male who presented with complaints of loose stool and right iliac fossa pain. Patient gives no history of any recent urinary tract complaints or previous history of urinary tract infection or any previous urological complaint. Urine analysis was normal without any signs of infections or microscopic hematuria. Prostate specific antigen level was in normal level.

Plain CT ABDOMEN: Shows a well-defined, smoothly marginated, ovoid shape, homogenously hypodense mass lesion of fat density without any internal structure arising from inner surface of anterior bladder wall.

Image 1

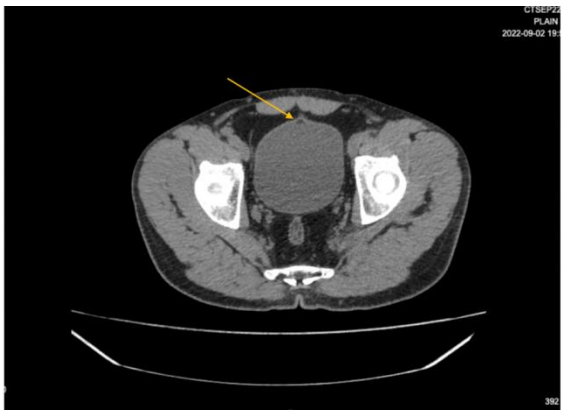

Image 1: 70 year old male patient with lipoma; CT axial section shows a well-defined, ovoid shaped homogenously hypodense lesion with arising from inner surface of anterior bladder wall

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Image 2

Image 2: CT saggital section shows a well-defined, ovoid shaped hypodense lesion arising from the inner surface of the anterior bladder wall

DISCUSSION

Urinary bladder lipoma is a rare benign lesions with varied clinical presentation, usually asymptomatic but often causes lower urinary tract symptoms or hematuria. On imaging, bladder lipomas appear as a homogenous, endophytic lesion comprised of macroscopic fat _(fat density value range between -50 to -150 HU on CT) arising from the bladder wall.

Urinary bladder lipoma, the differentials includes, other benign rare mesenchymal tumours arising the urinary bladder's submucosal layer which includes leiomyoma, fibroma, plasmacytoma, hemangioma and neurofibroma.

Bladder lipoma should not be confuse with pelvic lipomatosis and liposarcomas which also shows similar features.

Less differentiated liposarcomas show more heterogenous-enhancement, with ill-defined irregular shaped margin and in-filtrative behaviour. Although appropriate multiplanar reconstruction may allow radiologist to differentiate whether it is a truly bladder lesion or if it is an extravesical pelvic lipomatosis.

COMPLIANCE WITH ETHICAL STANDARDS

Funding: There is no funding.

Conflict of Interest

Author declares that they have no conflict of interest.

Ethical Approval (Animals)

This article does not contain any studies with animals performed by any of the author(s).

Ethical Approval

All procedures performed in studies involving human participants were in accordance with the ethical standards of the institutional and/or national research committee and with the 1964 Helsinki Declaration and its later amendments or comparable ethical standards.

Informed Consent

Informed consent was obtained from individual participant included in the study.

Authors' Contributions

1. DR. KALAICHEZHIAN MARIAAPPAN (KM)
2. DR. ASOKAN ARADHANA SHANMUGHAN (AAS)

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Substantial contributions to the conception or design of the work; or the acquisition, analysis, or interpretation of data for the work –
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Final approval of the version to be published -
Agreement to be accountable for all aspects of the work in ensuring that questions related to the accuracy or integrity of any part of the work are appropriately investigated and resolved.

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