Reviewer's report

Title: Hemangioma of the prostate - an unusual cause of lower urinary tract symptoms : Case report

Version: 1 Date: 27 September 2010

Reviewer: Makito Miyake

Reviewer's report:

Summary,
This case report describes the hemangioma of the prostate, which is uncommon disease. It is significant that this hemangioma caused no symptom but LUTS. This makes it difficult for the urologists to diagnose the hemangioma of the prostate accurately.

Comments,
1. This patient was referred LUTS. Do the authors consider that the LUTS was caused by hemangioma? The volume or occupation rate (hemangioma volume/resected prostate volume) of the hemangioma was not described in this report. The authors should describe this information in the test.
2. The authors should explain the reason why the re-TUR for unresected hemangioma was not performed. Intermittent self catheterization had the risk of injury of unresected hemanginoma and hematuria uncontrollable in outpatient status. Moreover, does the prostate hemanginoma have the potency of regrowth or progress to a malignant disease?
3. The authors should add the more information for pre-operative rectal examination; presence or absence of (1) tenderness and (2) erythrocyte containing in prostate secretion. It is possible studied population is limited with 25 cases, consisting of only 7 of AML cases and 18 of LAM cases.
4. The authors describe post-operative uroflowmetry examination, such as Qmax and residual urine. Pre-operative result should be added.
5. Prostate hemangioma seems to be difficult for urologist to diagnose. Indeed, a transurethral power doppler ultrasonography is a useful tool. The authors should describe what is an indication criteria of doppler ultrasonography.