

# Genital Tuberculosis in a 6 year old girl

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## Abstract

A 6 year old girl presented with acute retention of urine and pain abdomen for 2 days. Clinical examination and ultrasonography suggested fluid collection in the uterus and vagina. When incision was given over the bulging hymen about 300 ml of pus was drained. Z N stain of the pus showed plenty of acid fast bacilli were detected confirming the diagnosis of tubercular pyometra and pyocolpos.

**Key words:** Tubercular pyometra and pyocolpos.

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## INTRODUCTION

Genital tuberculosis in prepubertal girls is quite uncommon. Here we present an interesting case of retention of urine in a girl of 6 years due to tubercular pyometra and pyocolpos.

## CASE REPORT

6 year old PS from a tribal area of south odisha was admitted on 5<sup>th</sup> may 2013 with complains of inability to pass urine and pain lower abdomen for 2 days. There was no history of fever, vomiting, loose motions, trauma or any such attack in the past. On examination she was thin

built without any secondary sexual characters. Her vitals were stable. General and systemic examination revealed no abnormalities. Abdomen was soft and there was no distension. A suprapubic tender cystic mass of 16 weeks size was present suggestive of full bladder. Vulval inspection revealed bulging of hymen. Per rectal examination showed bulging of posterior vaginal wall into the rectum. Trans abdominal sonogram showed full bladder with fluid collection with debris in the endometrial cavity along with large fluid collection in the vagina of 85mmx55mm suggestive of haematocolpos and haematometra. Catheterisation was done and 600 ml of urine was drained. Routine haematological investigations were within normal limits. The girl was prepared for incision and drainage. Under anaesthesia when a small incision was given over the intact hymen. About 300ml of pus drained out. It was send for microscopic study and culture. Patient was put on ofloxacillin + metronidazole. She could pass urine normally when the catheter was removed after a few hours of the procedure. Z-N stain of the pus showed plenty of Acid Fast Bacilli. Antitubercular therapy with 4-drugs started and follow-up is continuing.



## DISCUSSION

Genital tuberculosis is common in the age group of 20-40 in India. It constitutes 0.25% of all TB cases and contributes to 3 to 16% of all cases of infertility.<sup>1,2</sup> But it is very rare in prepubertal girls. Tubercular pyometra and pyocolpos leading to retention of urine in a prepubertal girl has hardly been reported. Hence this case is particularly unique and interesting because the age of presentation makes it a rare one and the clinical picture

was such that one will be tempted to diagnose as hematometra and hematocolpos leading to retention.

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