Introduction
Mature cystic teratoma is the most frequent neoplastic tumor of children and adolescents, accounting for more than one-half of ovarian neoplasm in women younger than 20 years of age.\(^1\) We are presenting this case because on search of literature, we could not find a case of mature cystic teratoma in such a young child, except for one case of 20-month-old infant who had a complaint of urinary retention.

Case Report
An 8-year-old girl presented with a complaint of dull aching pain in abdomen for 3–4 weeks. On examination, the vitals were stable; secondary sexual characteristics were not well developed. On abdominal examination, a well-defined lump, smooth and mobile, was felt corresponding to 16–18 weeks of gestation. The lump was firm in consistency and was very mobile. Ultrasonography shows a cystic mass of size 9.30 cm × 5.87 cm in the pelvic region (? ovarian). Serum tumor markers done. Alkaline phosphatase was 263 U/L (raised), lactate dehydrogenase was 221 U/L, alpha-fetoprotein was 1.90 ng/mL, and total beta human chorionic gonadotrophin-2 was 0.68 mIU/mL.

The patient was taken for laparotomy. On opening the abdomen, the uterus was very small in size, right ovary was normal, and a left ovarian cyst 8 cm in size with smooth surface [Figure 1] was found. An ovarian cyst in an 8-year-old girl may also have some malignant potential, so ovariectomy was done. The patient stood the procedure well. Histopathological examination of the specimen revealed uniloculated cyst with one tiny solid area. Wall thickness was 0.2 cm. The solid area showed tuft of hair and pultaceous material. Features were suggestive of mature cystic teratoma.

Discussion
In a study on 283 cases of mature cystic teratoma in National Taiwan University Hospital, Wu et al. found the youngest patient to be 12 years old and the oldest to be 76 years. The largest number of patient was found in the age of 20 and 30 years, and the mean age was 35.4.\(^2\) A case of urinary retention due to ovarian dermoid cyst in a 20-month-old infant girl has been reported by Matsumoto et al.\(^3\) The infant had a chief complaint of voiding difficulty and micturition pain. Excretory urogram, ultrasound, and computed tomography scan revealed a retrovesical mass which compressed the urinary bladder anteroinferiorly. On operation, they found that the tumor originated from the right ovary and was 6.2 cm × 5.0 cm × 5.0 cm in size, and the pathological diagnosis of the mass was ovarian dermoid cyst. The oldest patient reported to have a dermoid cyst is an 89-year-old woman. She had an adenosquamous carcinoma arising in a dermoid cyst.\(^4\)

Abstract
Ovarian tumors are commonly seen in reproductive age group in women. However, when they occur at extremes of age, the suspicion of malignancy increases. The detection of dermoid cyst at 8 years of age is uncommon and hence is being reported to acquaint the doctors of this possibility. Awareness of benign tumors in small children can help in proper counseling of patient party and planning the surgical procedure.

Keywords: Age, malignancy, mature cystic teratoma

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**Conclusion**

Mature cystic teratoma is generally seen in reproductive age group; however, rare cases may occur in prepuberty age group to women in postmenopausal age group. Although the rate of malignant transformation is only 1% in patients with mature cystic teratoma, this may be more commonly seen in those patients with extremes of age.

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**Conflicts of interest**

There is no conflicts of interest.

**References**