CASE REPORT

Primary Adenocarcinoma of the Fallopian Tube

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ABSTRACT

Carcinoma of the fallopian tube is not one of the commonest cancer encountered in the clinical practice. Nevertheless, it is vital to have clear knowledge about this disease, since it often presents with various common disorders and when missed, it lends poor prognosis to the patient.

Keywords: Carcinoma, Fallopian tube chemotherapy.

INTRODUCTION

Primary tumors of the fallopian tube are rare, accounting for only 0.31 to 1% of all gynecological malignancies.1 Primary fallopian tube carcinoma occurs in the age ranging from 18 to 88 years with the usual age of occurrence between 40 to 65 years and a mean age of 55 years. Even though the etiology is not known, it is reported to be associated with chronic tubal inflammation, infertility, tuberculous salpingitis, and tubal endometriosis.2 Preoperative diagnosis of this malignancy is difficult due to its insidious onset and silent course, and the diagnosis is usually made at laparotomy or by postoperative histology.3

CASE REPORT

A 40-year-old Muslim woman presented with complaints of foul smelling vaginal discharge since one month, and lower abdominal pain since 4 days. Her menstrual cycles were regular with last menstrual period 8 days ago. She was para 2 with last childbirth and tubal ligation 8 years ago. Her mother had died cervical cancer. She was obese with weight of 75 kg. Physical and systemic examinations were normal. Genital examination revealed hypertrophied cervix and bulky uterus with nontender fullness of 7 to 8 cm in the right fornix.

Her hepatic, renal function, and the chest radiograph were normal. HIV I, II, and serum Australia antigen were negative. Pap smear showed inflammatory picture. Ultrasonography showed a bulky uterus with right tubo-ovarian mass measuring of 7.8 × 4 cm. She was diabetic and anemic, which were treated preoperatively.

Patient underwent laparotomy on 16 July 2003. There was a 6×5 cm fleshy growth arising from the right fallopian tube. Para-aortic lymph nodes were enlarged, matted and unresectable. She underwent total hysterectomy, bilateral salpingo-oophorectomy and partial omentectomy. Ascitic fluid was positive for malignant cells.

PATHOLOGICAL EXAMINATION OF THE SPECIMEN

Uterus was bulky and measured 10 × 8 × 5 cm with a grey-white tumor nodule in the myometrium. The right tube was diffusely enlarged measuring 5 × 4 × 3 cm with fimbrial extension. The right ovary measured 4 × 2.5 × 1.5 cm. The cut surface showed a solid grey-white tumor (Fig. 1). The left ovary measured 4 × 3 × 1 cm with unremarkable cut surface.

The histological examination demonstrated features of moderately differentiated adenocarcinoma with transmural infiltration of the right fallopian tube (Figs 2 and 3). The right ovary, left ovary and the myometrium showed tumor deposits and vascular emboli. The left tube was normal and free from the tumor. The omentum showed deposits of this tumor. The endometrium and the endocervical canal were unremarkable.

Between July 30th 2003 and 8 January 2004, patient received six cycles of chemotherapy with injection. Paclitaxel 230 mg (175 mg/m²) and Carboplatin 450 mg (300 mg/m²) injections once in 4 weeks. On 9 August 2004, patient was admitted with dysphagia, ascites and foul smelling ulceration of the inguinal regions.

Ultrasound showed mixed echogenic lesion of 5 cm in right adnexa, gross ascites, peritoneal thickening and omental cakes. She was treated with antibiotics for the secondary infection of the inguinal ulcers. Patient succumbed to the disease on 2 September 2004 due to multiple metastases.
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Present with vaginal bleeding. The classic triad of symptoms—vaginal bleeding, pelvic pain, and watery vaginal discharge are seen infrequently. A pelvic mass is the most common physical finding. Most cases are preoperatively diagnosed to have ovarian carcinoma, uterine fibroid or pelvic inflammatory disease. Tumor marker CA-125 may be elevated in cases of tubal cancer. The FIGO staging system (1991) of tubal carcinoma follows the general outline of ovarian carcinoma as the pattern of spread, the anatomic location of ovarian, and tubal carcinomas appear to be similar. Primary route of spread of fallopian tube carcinoma is by lymphatics. As the tube is rich in lymphatics, it facilitates the spread of tumor once the mucosa is breached. The other methods of spread are: direct extension and transcelomic spread. Surgery is the main stay of treatment of carcinoma of fallopian tube. The current recommendation is to perform total abdominal hysterectomy, bilateral salpingo-oophorectomy, appendicectomy, omentectomy, and retroperitoneal lymph node sampling.

Patients with advanced (stage II and III) fallopian tube carcinoma with optimal debulking will benefit from whole abdomen radiation with pelvic boost. Advanced disease with unresectable para-aortic lymph nodes is the main hindrance to curative treatment.

Our patient had stage III tubal malignancy with large unresectable para-aortic lymph nodes. She had residual/recurrent disease and succumbed to it in 14 months.

REFERENCES