UROLOGICAL CONSERVATIVE MANAGEMENT OF A PATIENT WITH TUBEROUS SCLEROSIS COMPLEX (BOURNEVILLE DISEASE)

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Summary.- OBJECTIVE: To report the clinical and radiological data of a 23-year-old woman with bilateral angiomyolipomas and Tuberous Sclerosis with conservative treatment.

METHODS: The patient underwent conservative urological management, based on clinical and complementary tests’ data (ultrasonography, CT scanning, excretory urogram, and laboratory). Monitoring was carried out in external consultation by the urology group. In some occasions she was hospitalized due to distant geographical factors.

RESULTS: This patient provides long-term outcome of AML with Tuberous Sclerosis followed by repeated evaluation to define the conservative management or not. Ultrasonound and CT scan were two basic studies to maintain conservative treatment, as well as a good clinical evaluation.

CONCLUSIONS: Renal lesions associated with tuberous sclerosis are frequent and serious. Monitoring should be based on a careful monitoring since the renal lesions are the second death cause after the lesions of the nervous system. This case report provides long-term outcome of AML with tuberous sclerosis, that can be followed expectantly with repeated evaluations to define the clinical significance.

Keywords: Angiomyolipoma. Sclerosis tuberosa.
INTRODUCTION

Tuberous sclerosis is an autosomal dominant condition described for the first time in 1880, can affect multiple organs, causing tumors in kidneys, skin, brain, heart, eyes, lung, teeth as well as in other organs and systems (1).

In most cases affects only some of those organs. The severity understands since small abnormalities in the skin to serious cases with mental retardation or renal failure. Many demonstrations can be developed late in the life of the patient.

Due to the improvement in the test to detect these illnesses their frequency enlarges to expenses fundamentally of cases with clinical manifestation serious. Prevalence of the population: 1/9,407 cases. Incident: 1/6000 births. Occurs in both sexes, all the races and ethnic groups.

CASE REPORT

A case of bilateral angiomyolipoma (AML) with tuberous sclerosis in a 23-year-old diagnosed from girl is reported. Clinical complaints were mainly bilateral lumbar pain and flank palpable mass, mental retardation, epilepsy, adenoma sebaceum (Figure 1).

Diagnostic techniques: Angiomyolipomas was diagnosed ultrasonography (Figure 2), brain CT scanning (Figure 3), renal CT scanning (Figures 4 and 5), biopsy of skin and excretory urography. The following of this patient has been during the last 10 years in our institution by the same group of urologist.

DISCUSSION

Since the point of view urological the presence of bilateral renal tumors (angiomyolipoma)- secondary judgment for the diagnostic has been well supported by the patient, not causing symptoms. The other renal lesions could to shape of cysts, angiomyolipoma, oncocytoma and renal carcinoma (2).

The patients with Sclerosis Tuberous and angiomyolipoma renal, they have greater renal risk to develop malignant growths that the individual that only presents...
angiomyolipoma (3). The renal carcinoma is seen seldom but when they exist often they are bilateral and multicentric. The cysts are commonly multiple and bilateral. Some cysts can to stop and to disappear. They are used to appearing in early phase of the illness. The producing gene is the TSC 2 in the chromosome 16.

The oncocytoma is a benign tumor occasionally seen in these patients. The spontaneous break of the angiomyolipoma is a dramatic event, being accompanied many times of intense pain in the side (4). The hemorrhage can be intratumoral, subcapsular or peri renal (5). The elements to keep in mind for the surgical processing are the intense pain, bleeding and suspects of malignancy (6,7).

**CONCLUSIONS**

The renal lesions are frequent and serious. The monitoring should base on a careful monitoring since the renal lesions are the death cause second after the lesions of the nervous system (8-10). This case report provide long-term outcome of AML with tuberous sclerosis can be followed expectantly with repeat evaluation to define the clinical significance.

**TABLE 1.**

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<tr>
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<th>Stability of the renal lesion.</th>
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<tbody>
<tr>
<td>A</td>
<td>Require not specific processing.</td>
</tr>
<tr>
<td>B</td>
<td>Nephrectomy. Malignant growths or to eliminate obstruction.</td>
</tr>
<tr>
<td>D</td>
<td>Embolization. Bleeding.</td>
</tr>
<tr>
<td>E</td>
<td>Renal transplant. Angiomyolipoma.</td>
</tr>
<tr>
<td>F</td>
<td>Prophylactic. Justifiable in cases of large tumors in womans or childbearing or in patients whose following or access to cares of emergency could be inadequate.</td>
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REFERENCES AND RECOMMENDED READINGS
(*of special interest, **of outstanding interest)