COULD CARDIAC PATHOLOGY BE A USEFUL CLUE ABOUT İNHERİTED METABOLİC DİSEASE?

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Background:
Inherited metabolic diseases may be accompanied by multiple organ manifestations, such as cardiac involvement. The most common findings associated with metabolic diseases are hypertrophic, dilated, restrictive cardiomyopathy, dysrhythmia, valve and, vascular/coronary artery diseases.

Materials and Methods:
Patients with suspected metabolic disease diagnosis due to cardiac involvement were included. The files of patients who applied between the years 2004 and 2020 to the department of metabolic diseases were retrospectively analyzed.

Results:
77 patients (35 female (%45.4), 42 male (%54.5)

- 43 (%55.8) patients with dilated cardiomyopathy (DCMP)
- 18 (%23.3) with hypertrophic cardiomyopathy (HCMP)
- 11(%14.2) with non-compaction cardiomyopathy (NCC)
- 3 (%3.8) with restrictive cardiomyopathy (RCMP)
- 2 (%2.5) with dysrhythmia

Mean age: 5.6 years (min: 1 day-max: 65 years)
Consanguineous marriages in 29 (%37.6) patients
Ten (%12.9) patients had a history of ex-siblings.

<table>
<thead>
<tr>
<th>Cardiomyopathy Type</th>
<th>Number of Patients</th>
</tr>
</thead>
<tbody>
<tr>
<td>DCMP</td>
<td>43</td>
</tr>
<tr>
<td>HCMP</td>
<td>18</td>
</tr>
<tr>
<td>NCC</td>
<td>11</td>
</tr>
<tr>
<td>RCMP</td>
<td>3</td>
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</tbody>
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Discussion:
In our study, HCMP was noticed as the most common manifestation of metabolic diseases. If the etiology of cardiac disease has not been explained, possible metabolic diseases should be investigated, especially those that might benefit from treatment.