INTRODUCTION

Aneuploidy is the most common genetic abnormality detected by prenatal diagnosis and about 90% involves chromosomes 21, 18, 13, X and Y. Detection of fetal aneuploidy is one of the major goals of prenatal screening programs. Selective termination refers to the reduction of the anomalous/aneuploid fetus within a multifetal gestation which may optimize the outcome of the normal fetus.

OBJECTIVE AND METHODS

The aim of this study is to review a clinical case about selective termination of a dichorionic twin pregnancy with a trisomy 18 fetus, performed in Divino Espírito Santo Hospital, Ponta Delgada, Azores, Portugal.

CASE REPORT

Identification: Female 30-year-old Caucasian

Medical history: G1P0A0 A Rh+ Familial hypercholesterolemia

Referred to our centre due to abnormal findings at first trimester ultrasonography in a spontaneous dichorionic twin pregnancy.

1st trimester ultrasound

<table>
<thead>
<tr>
<th>13+4 WG</th>
<th>Fetus 1</th>
<th>Fetus 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRL</td>
<td>73.8mm</td>
<td>59.3mm</td>
</tr>
<tr>
<td>BPD</td>
<td>25.7mm</td>
<td>19.7mm</td>
</tr>
<tr>
<td>NT</td>
<td>1.0mm</td>
<td>2.9mm</td>
</tr>
<tr>
<td>DV</td>
<td>Normal</td>
<td>Abnormal</td>
</tr>
<tr>
<td>Chorionicity</td>
<td>Dichorionic</td>
<td>Diamniotic</td>
</tr>
</tbody>
</table>

Chorionic Villus Sampling

14+1 WG

Fetus 1 Fetus 2

46,XX Trisomy 18 Edwards Syndrome

Selective Termination

15+2 WG

Ultrasound-guided transabdominal intrathoracic injection of KCl at fetus 2.

38+3 WG

Elective cesarean section

Female, 3400g, Apgar scores of 10/10

CONCLUSION

✓ First trimester ultrasound examination is crucial because it also allows to detect congenital anomalies, in addition to assessing gestational age, number of fetuses and amnionicity/chorionicity.
✓ Selective termination has been established as a safe and effective method for termination of a specific anomalous fetus of a multifetal pregnancy in which the fetuses are discordant for anomalies.