DIABETIC KETOACIDOSIS RISK FACTORS IN THE INITIAL PRESENTATION OF TYPE 1 DIABETES MELLITUS

IN CHILDREN AND ADOLESCENTS



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BACKGROUND

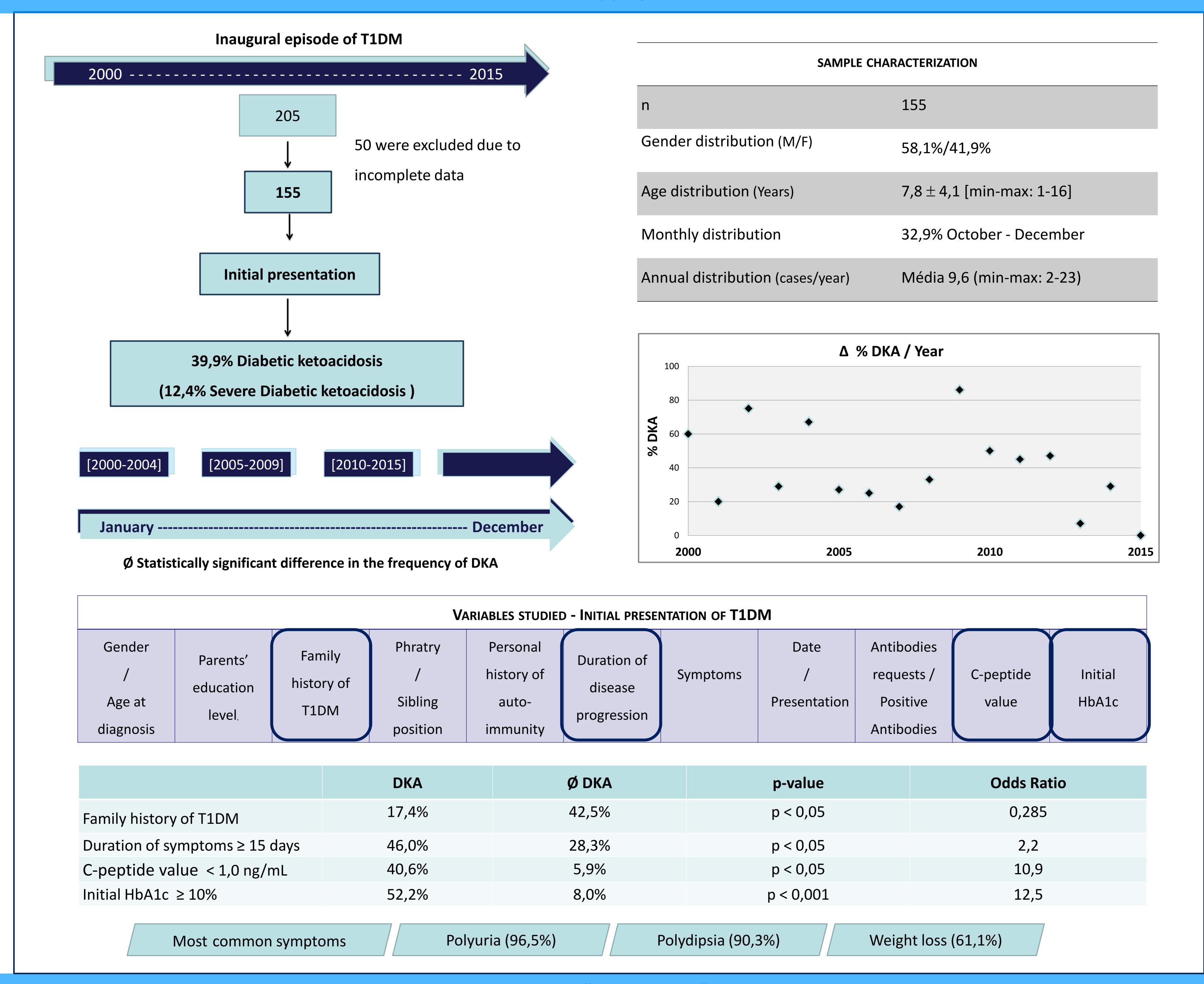
Diabetic ketoacidosis (DKA) is the most serious acute complication of type 1 Diabetes mellitus (T1DM). It is important to know the factors associated with the development of DKA and elaborate preventive strategies to reduce their prevalence.

OBJECTIVE AND HYPOTHESES / METHOD

Objective and hypotheses: To identify diabetic ketoacidosis predictive risk factors in the initial presentation of T1DM in children and adolescents.

Method: We conducted a retrospective study, by analyzing the medical records of children/adolescents diagnosed with T1DM between 2000 and 2015, followed in our hospital. We have made a descriptive analysis of demographic and clinical variables, the occurrence of DKA in the initial presentation and a comparative analysis between the groups with and without DKA. Statistical analysis was performed with SPSS.

RESULTS



CONCLUSÃO / DISCUSSÃO

The DKA as the initial presentation of T1DM in pediatric population was high, above the international average that is around 30%. Were identified as risk factors: symptoms that persist longer than 15 days, initial HbA1c ≥ 10% and C-peptide < 1.0 ng/mL and as a protective factor the family history of T1DM. It is necessary to strengthen the public education in order to reduce the time between the onset of symptoms and the diagnosis of T1DM.

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