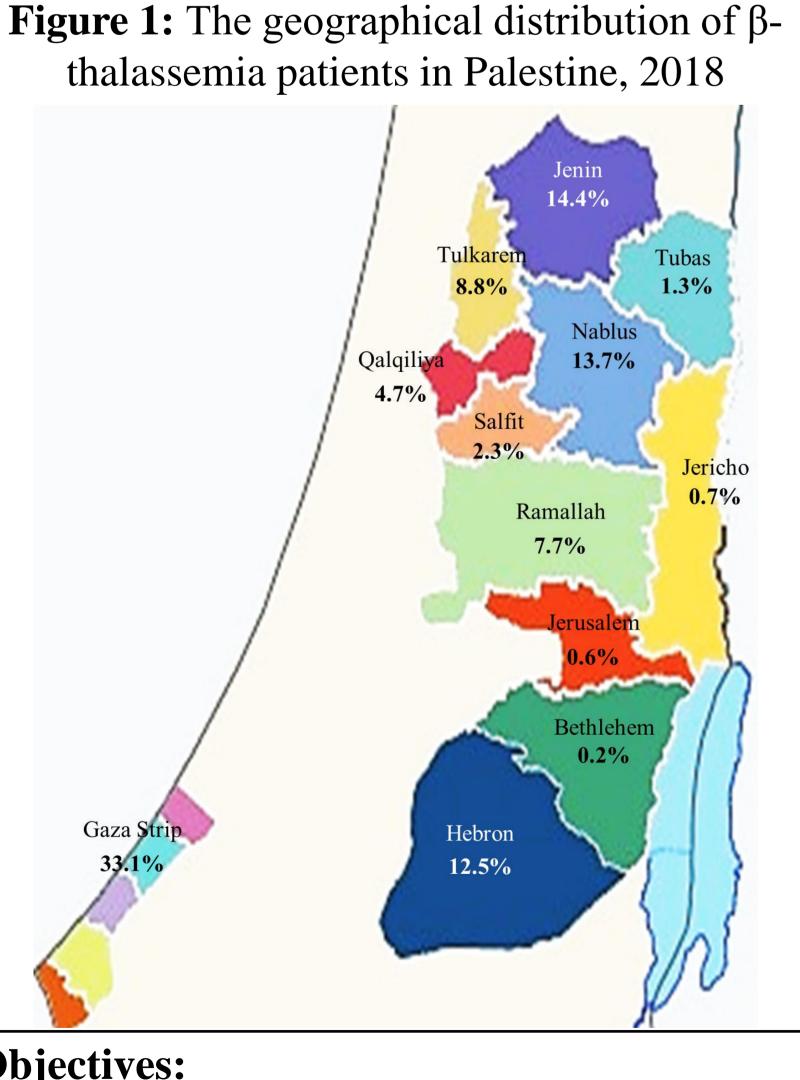
Health Status of β -Thalassemia Patients in the West Bank

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Introduction

- β-thalassemia is a recessively autosomal inherited blood disorder characterized by anomalies in the production of hemoglobin beta chain resulting in variable degrees of hemolysis, chronic anemia, and ineffective erythropoiesis.
- In Palestine, there are more than 150,000 carriers of β -thalassemia as reported in 2014.
- In 2018, Thalassemia Patients' Friends Society (TPFS) 847 symptomatic reported has thalassemia patients with a prevalence of 17.4 / 100,000.
- Around 70% of Palestinian thalassemia patients are from the West Bank. The geographic distribution of patients in the West Bank is shown in **Figure 1**.
- Only 4% of thalassemia patients in Palestine received bone marrow transplantation.
- Even though blood transfusion is lifesaving for β thalassemia patients, it burdens the body with excess iron leading to momentous and irrevocable biological damages.
- developing countries, management of • In thalassemia a major challenge.

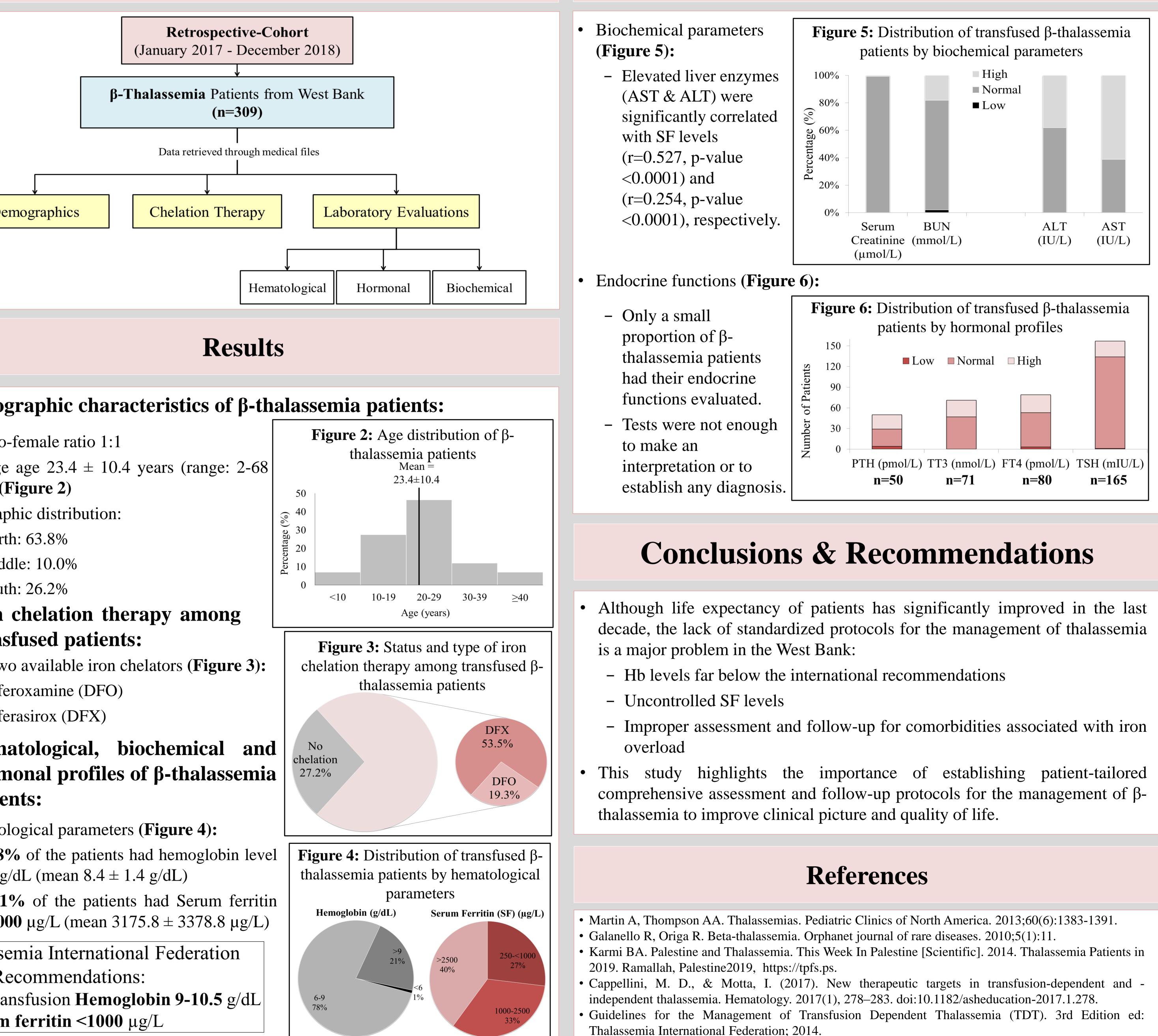


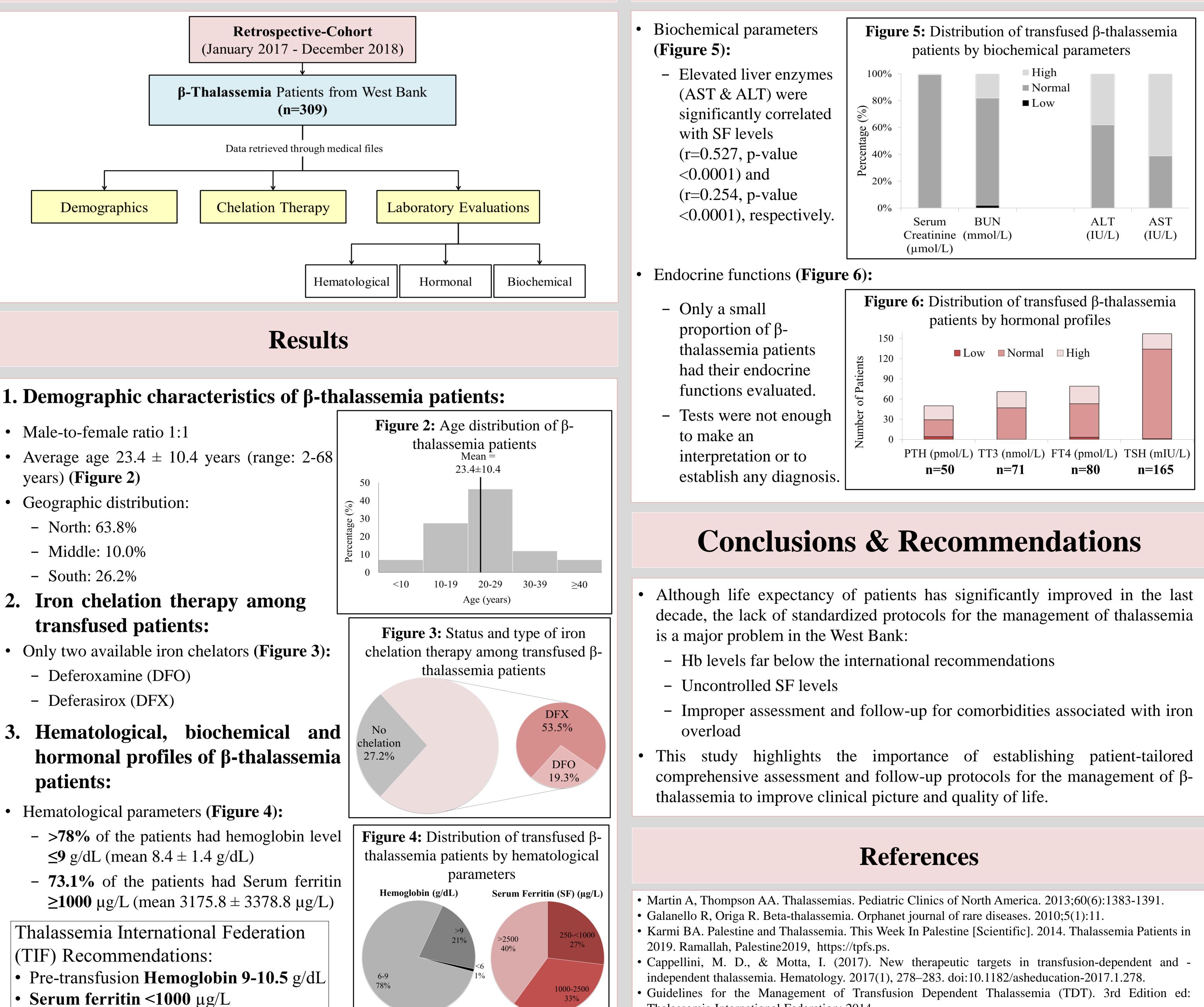
- Objectives:
 - Describe demographic characteristics of β thalassemia patients in the West Bank.
 - Evaluate hematological, biochemical and endocrine profiles and their correlation with iron overload.

1. Demographic characteristics of β**-thalassemia patients:**

- 3.

Methodology







Results, *Continue*