

Chapter 3

Results and Discussion

3.1. Mg analysis and distribution

3.1.1 Demographics of the study

A total of 151 person participated in the study. Of these, 101 person were healthy (34% males, 66% females), and 50 patient (54% males, 46% females). Healthy participants ranged from 18 to 42 years old, with an average of 21.5 ± 3.8 years, while patient participants ranged from 20 to 89 years old, with an average of 63.14 ± 13.73 years (Table 3.1).

3.1.2 Mg serum levels in healthy and patient population

The mean of Mg serum levels in the study population, healthy and patient subjects, was within the normal range (1.5 to 2.4 mg/dL) (Table 3.1).

- From the 101 healthy population, 2 (2%) were above the normal Mg serum levels (1 male, 1 female).
- From the 50 patient population, 3 (6%) were above the normal Mg serum levels (1 male, 2 female).