Frequency of anemia in King Khalid General Hospital in Almajma'ah (indoor and outdoor patients)

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**Abstract**

**Background and purpose:**

Anaemia is a disease prevalent worldwide, effects all age groups, and almost all countries are effected heavily, according to WHO 24.8% (1.62 billion people) of the population is effected worldwide [1]. This study was taken with above background, to know the frequency of anemia in patient visiting King Khalid General Hospital in Almajma'ah in Riyadh province.

 **Methods:** study used a cross-sectional survey from the people who attended the outpatient and inpatient department in king Khalid hospital of majmaah, eligible patients had a provisional diagnosis done by the treating physicians on a questioner, and final diagnosis was confirmed by laboratory investigations which included complete blood count, hemoglobin level, RBC morphology and related RBC indexes.

 **Result:** At the time of diagnosis shows: out of 200 cases there are 81 cases of anemia (aged from 14 – 85 years old) present in KKGH in Majma'ah. And out of 81 anemic patients there are 57 female patients aged from 16 – 60 years old, and rest 24 anemic patients represent males patients aged from 14 - 85 years old.

**Conclusion: our study shows high frequency of anemia in patients visiting KKGH. And it needs a larger and broader study to have accurate prevalence of anemia and also to know its types so that preventive and curative measures can be adapted.**

**Key words: Anemia, hematological parameters, Majmaah University**

**References:**

[1] World Health Organization. *World Health Statistics*

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