

Results

Table (5): Frequency distribution of CO poisoning patients to all cases seeked medical care in Benha Poison Control unit.

| Year | Total no of patients seeking care in the center | No. of cases of CO poisoning | Incidence rate |
|------|---|------------------------------|----------------|
| 2007 | 729 | 13 | 1.8% |
| 2008 | 947 | 34 | 3.6% |
| 2009 | 898 | 23 | 2.6% |

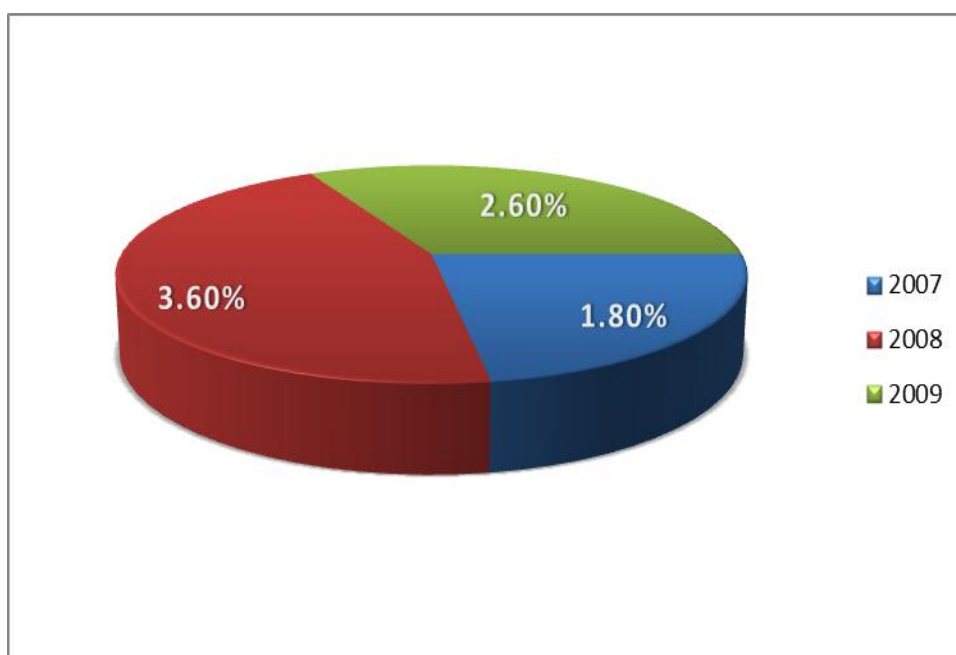


Figure (4): Pie chart shows frequency distribution of CO poisoning patients to all cases seeked medical care in Benha Poison Control unit.

Table (6): Frequency distribution of total number of patients from 2007-2009.

| Year | No. | Percent % |
|--------------|-----------|--------------|
| 2007 | 13 | 18.6 |
| 2008 | 34 | 48.6 |
| 2009 | 23 | 32.8 |
| Total | 70 | 100.0 |

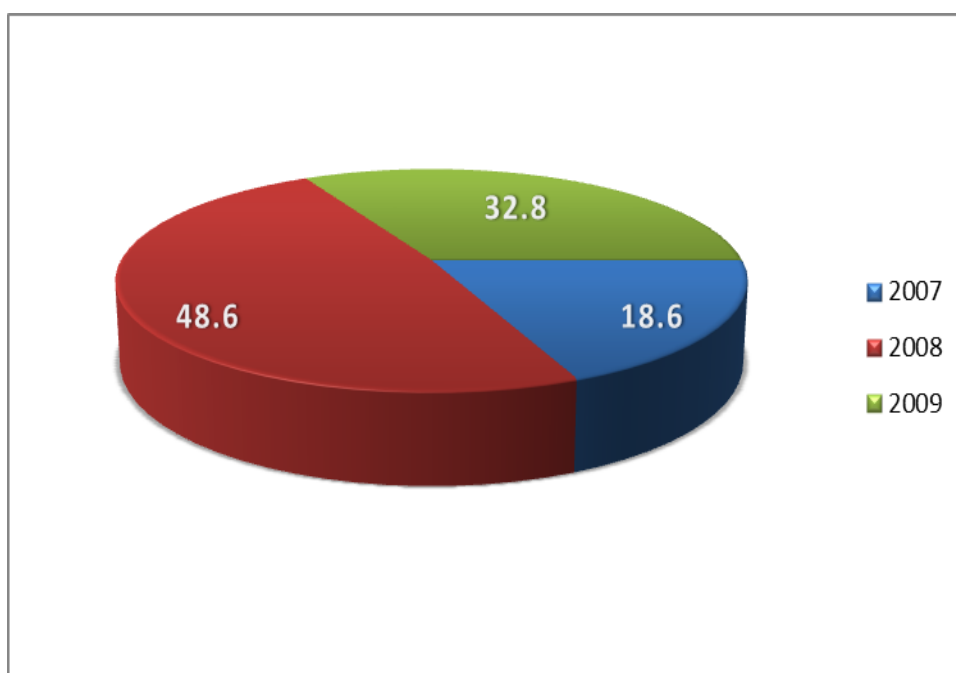


Figure (5): Pie chart shows percentage of total number of CO cases from 2007-2009.

Table (7): Frequency distribution of the studied patients according to gender.

| Gender | No. | Percent % |
|--------|-----|-----------|
| Male | 31 | 44.3 |
| female | 39 | 55.7 |
| Total | 70 | 100.0 |

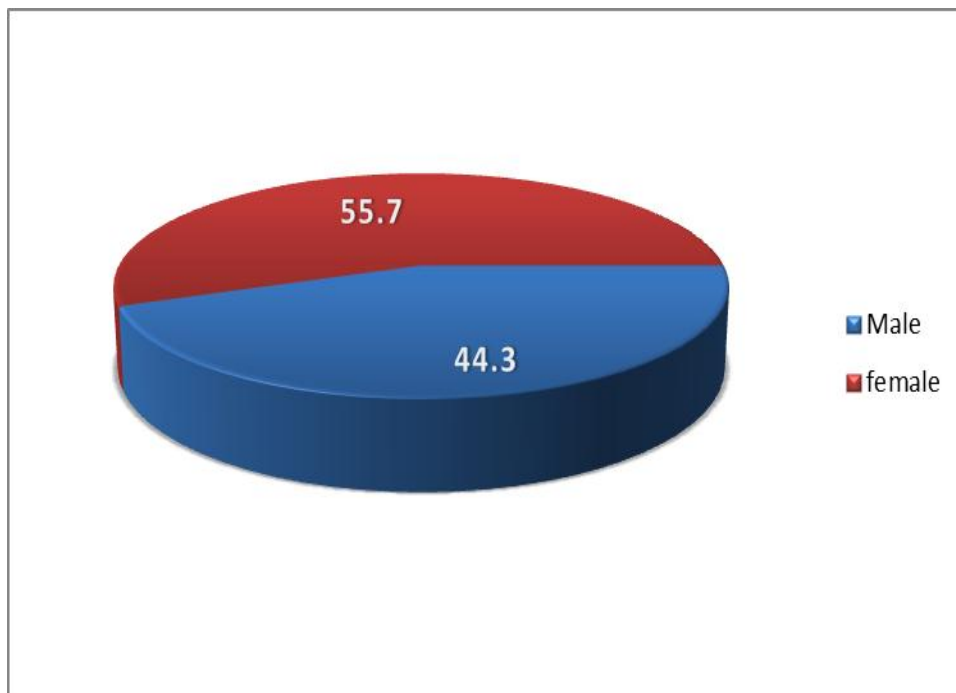


Figure (6): Pie chart shows frequency distribution of the studied patients according to gender.

Table (8): Distribution of studied cases from 2007-2009 according to gender.

| | | | years | | | |
|--------|--------|---------------|--------|--------|--------|--------|
| | | | 2007 | 2008 | 2009 | |
| gender | male | Count | 6 | 16 | 9 | 31 |
| | | % within year | 46.2% | 47.1% | 39.1% | 44.3% |
| | female | Count | 7 | 18 | 14 | 39 |
| | | % within year | 53.8% | 52.9% | 60.9% | 55.7% |
| Total | | Count | 13 | 34 | 23 | 70 |
| | | % within year | 100.0% | 100.0% | 100.0% | 100.0% |

$$X^2 = 0.37$$

$$P > 0.05$$

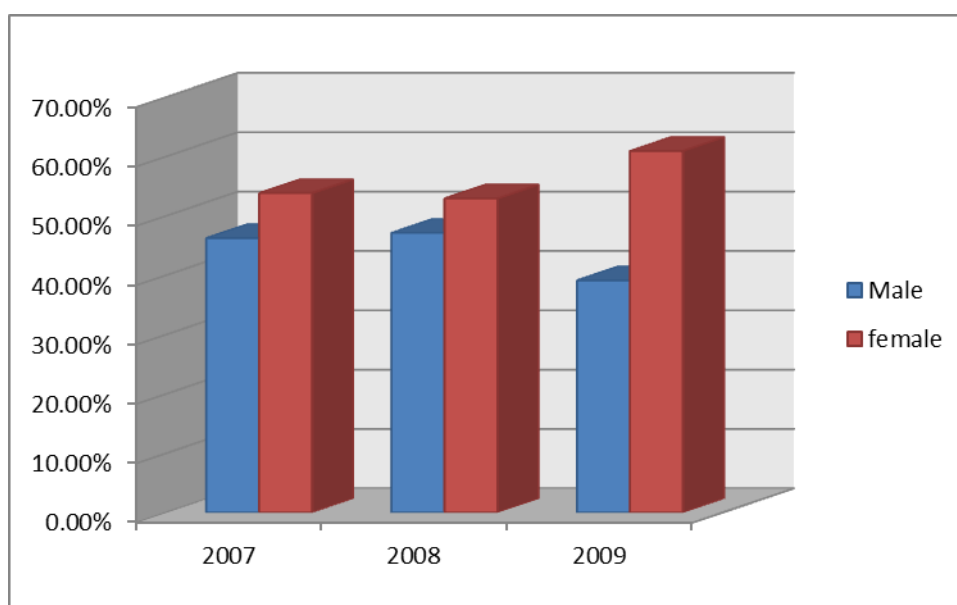


Figure (7): Bar chart shows distribution of studied cases from 2007-2009 according to gender.

Table (9): Frequency distribution of cases according to age (in years).

| Age of cases | Frequenc (y) | Percent |
|--------------|--------------|--------------|
| <20 y | 18 | 25.7 |
| 20-40 y | 41 | 58.6 |
| >40 y | 11 | 15.7 |
| Total | 70 | 100.0 |

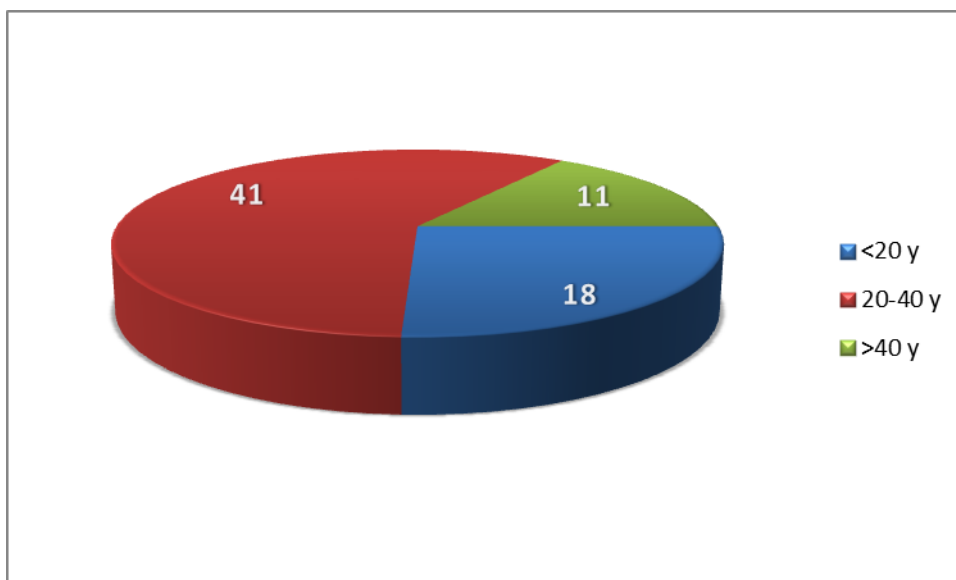


Figure (8): Pie chart shows frequency distribution of cases according to age.

Table (10): Distribution of cases from 2007-2009 according to months.

| Month | | year | | | Total |
|-------|---------------|--------|--------|--------|--------|
| | | 2007 | 2008 | 2009 | |
| Jan. | Count | 0 | 14 | 3 | 17 |
| | % within year | .0% | 41.2% | 13.0% | 24.3% |
| Feb. | Count | 0 | 2 | 7 | 9 |
| | % within year | .0% | 5.9% | 30.4% | 12.9% |
| Marc | Count | 3 | 2 | 4 | 9 |
| | % within year | 23.1% | 5.9% | 17.4% | 12.9% |
| April | Count | 0 | 2 | 2 | 4 |
| | % within year | .0% | 5.9% | 8.7% | 5.7% |
| May | Count | 2 | 1 | 1 | 4 |
| | % within year | 15.4% | 2.9% | 4.3% | 5.7% |
| Jun | Count | 0 | 0 | 0 | 0 |
| | % within year | .0% | 0.0% | .0% | 0.0% |
| Jul. | Count | 0 | 0 | 0 | 0 |
| | % within year | .0% | 0.0% | 0.0% | 0.0% |
| Aug. | Count | 0 | 0 | 0 | 0 |
| | % within year | .0% | 0.0% | 00% | 0.0% |
| Sept. | Count | 1 | 0 | 0 | 1 |
| | % within year | 1.4% | .0% | .0% | 1.4% |
| Oct. | Count | 0 | 1 | 0 | 1 |
| | % within year | .0% | 1.4% | 0.0% | 1.4% |
| Nov. | Count | 4 | 9 | 3 | 16 |
| | % within year | 30.8% | 26.5% | 13.0% | 22.9% |
| Dec. | Count | 3 | 3 | 3 | 9 |
| | % within year | 23.1% | 8.8% | 13.0% | 12.9% |
| Total | Count | 13 | 34 | 23 | 70 |
| | % within year | 100.0% | 100.0% | 100.0% | 100.0% |

Table (11): Descriptive statistics of age (in years) of studied cases.

| | |
|----------------|------|
| Mean | 28.2 |
| Std. Deviation | 13.1 |
| Range | 58.5 |
| Minimum | 1.5 |
| Maximum | 60 |

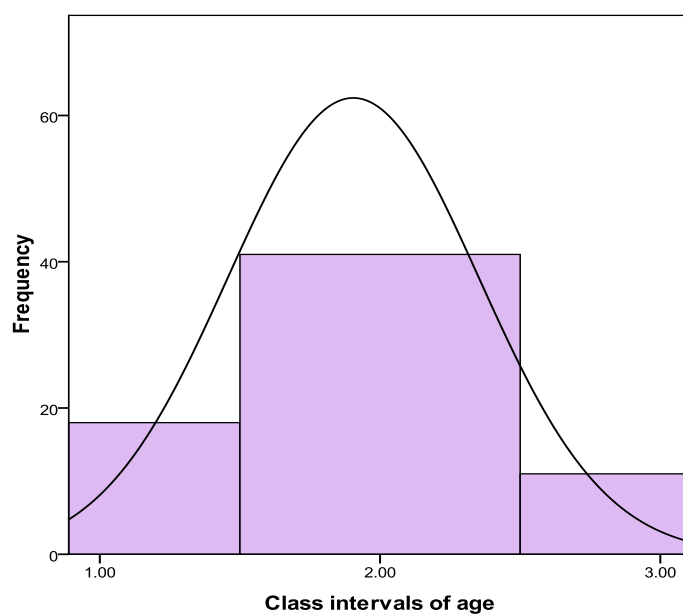


Figure (9): Relation between frequency and class intervals of age.

Table (12): Distribution of the studied cases according to season and mean age.

| | N | Mean | Std. Deviation | Minimum | Maximum |
|--------------|-----------|----------------|-----------------|-------------|--------------|
| winter | 41 | 31.4024 | 11.60992 | 1.50 | 60.00 |
| spring | 10 | 20.8000 | 6.82805 | 11.00 | 35.00 |
| summer | 1 | 20.0000 | 0.00000 | 20.00 | 20.00 |
| autumn | 18 | 25.5000 | 17.03025 | 3.00 | 60.00 |
| Total | 70 | 28.2071 | 13.13710 | 1.50 | 60.00 |

F=2.4

P>0.05 (0.08)

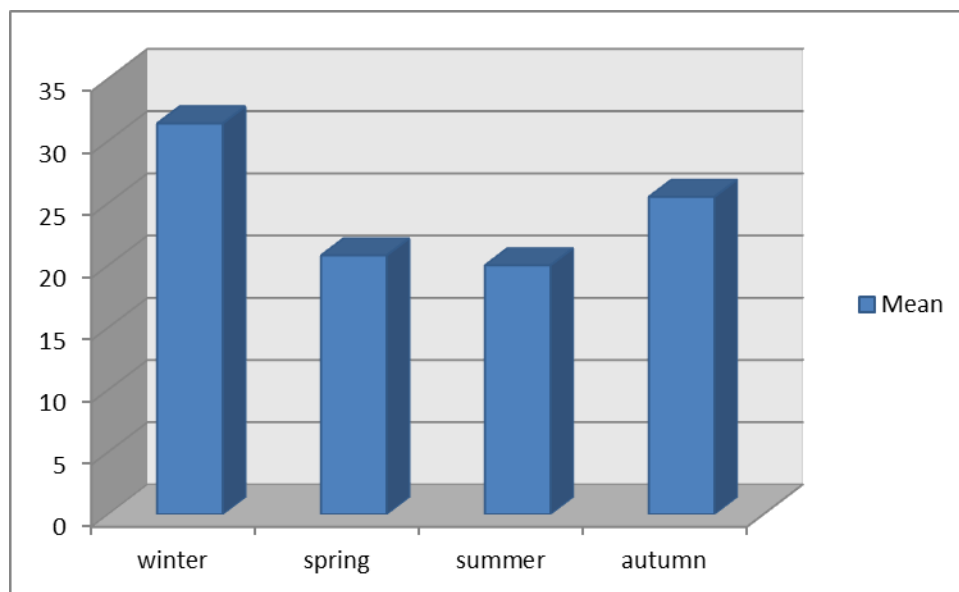


Figure (10): Bar chart shows distribution of studied cases according to season and mean age.

Table (13): Frequency distribution of studied cases according to residence.

| Residence | Frequency | Percent |
|--------------|-----------|--------------|
| urban | 53 | 75.7 |
| rural | 17 | 24.3 |
| Total | 70 | 100.0 |

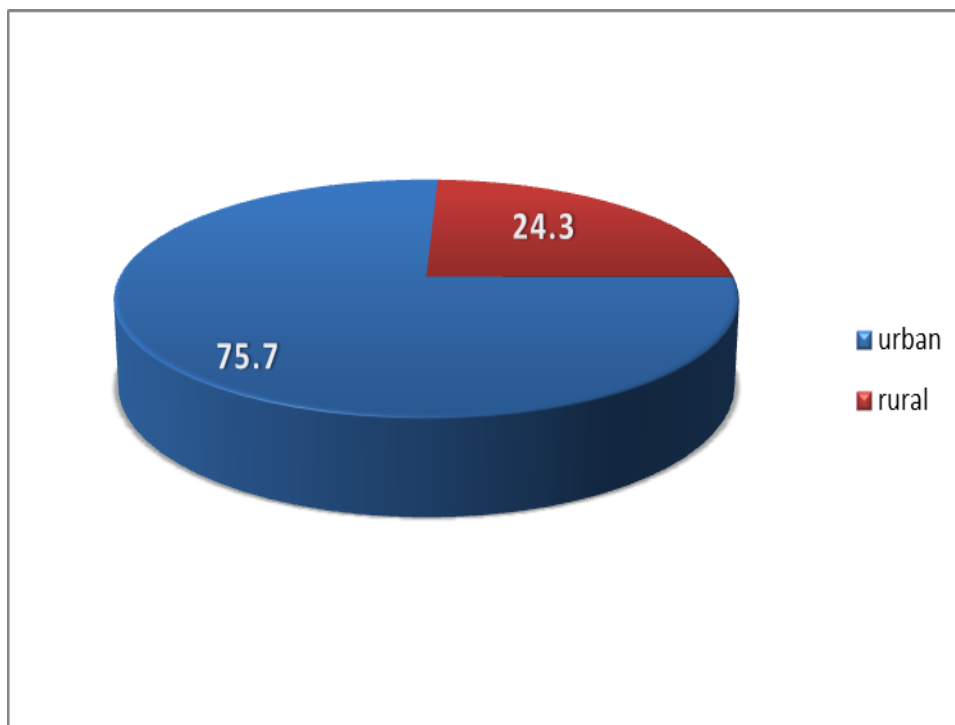


Figure (11): Pie chart shows Distribution of cases according to residence.

Table (14): Distribution of studied cases from 2007-2009 according to residence.

| | | | residence | | Total |
|-------|---------------|---------------|-----------|--------|--------|
| | | | urban | rural | |
| years | 2007 | Count | 10 | 3 | 13 |
| | | % within year | 76.9% | 23.1% | 100.0% |
| | 2008 | Count | 27 | 7 | 34 |
| | | % within year | 79.4% | 20.6% | 100.0% |
| | 2009 | Count | 16 | 7 | 23 |
| | | % within year | 69.6% | 30.4% | 100.0% |
| Total | Count | 53 | 17 | 70 | |
| | % within year | 75.7% | 24.3% | 100.0% | |

$$X^2=0.74$$

$$P>0.05$$

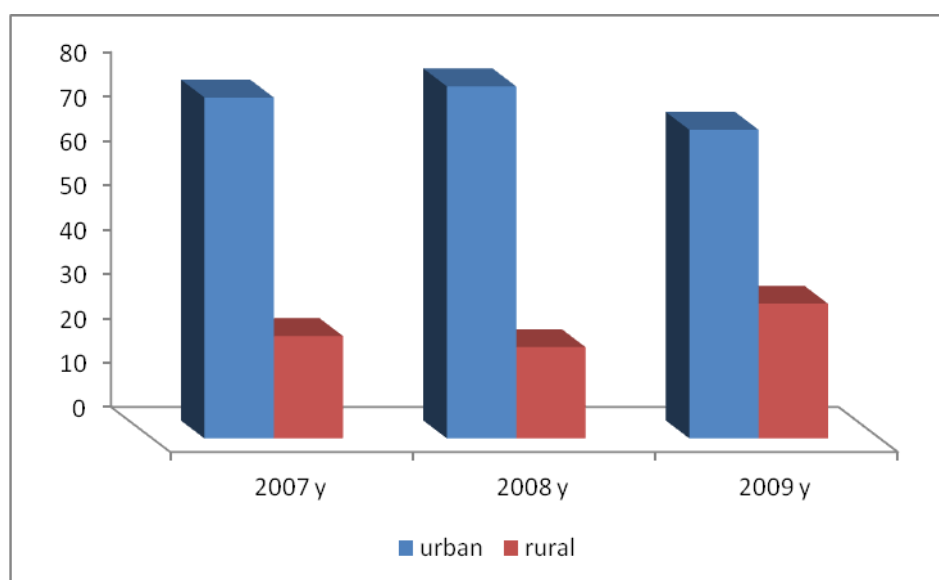


Figure (12): Bar chart shows distribution of studied cases from 2007-2009 according to residence.

Table (15): Frequency distribution of cases according to season.

| | Frequency | Percent |
|--------------|-----------|--------------|
| winter | 41 | 58.6 |
| spring | 10 | 14.3 |
| summer | 1 | 1.4 |
| autumn | 18 | 25.7 |
| Total | 70 | 100.0 |

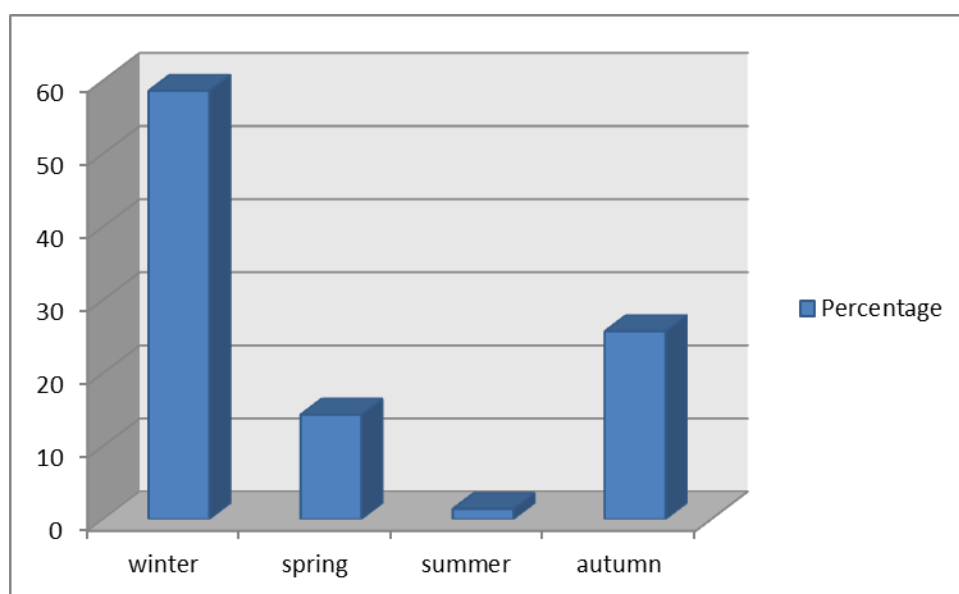


Figure (13): Bar chart shows frequency distribution of cases according to season.

Table (16): Distribution of studied cases according to seasons and gender.

| season * gender Crosstabulation | | | | | |
|---------------------------------|--------|-----------------|--------|--------|--------|
| | | | gender | | Total |
| | | | male | female | |
| season | winter | Count | 17 | 24 | 41 |
| | | % within season | 41.5% | 58.5% | 100.0% |
| | spring | Count | 6 | 4 | 10 |
| | | % within season | 60.0% | 40.0% | 100.0% |
| | summer | Count | 0 | 1 | 1 |
| | | % within season | .0% | 100.0% | 100.0% |
| | autumn | Count | 8 | 10 | 18 |
| | | % within season | 44.4% | 55.6% | 100.0% |
| Total | | Count | 31 | 39 | 70 |
| | | % within season | 44.3% | 55.7% | 100.0% |

$X^2=1.9$

$P>0.05$

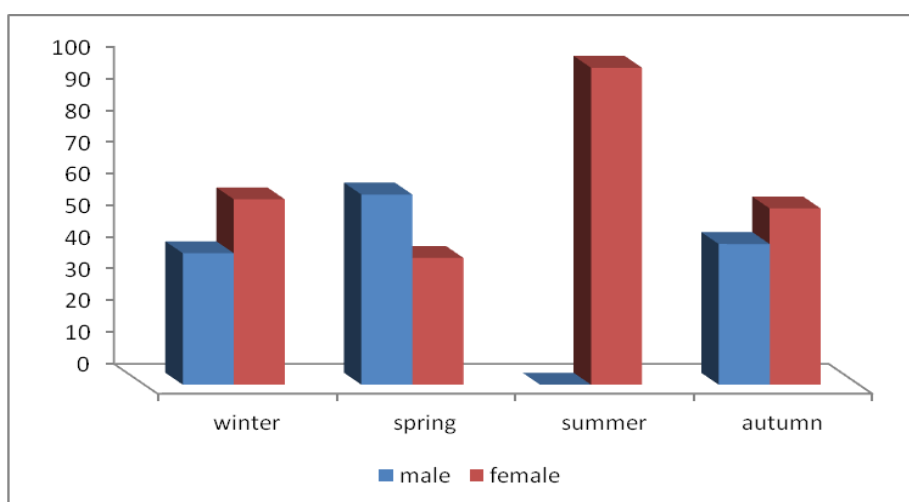


Figure (14): Bar chart shows Distribution of gender according to seasonal variation.

Table (17): Frequency distribution of studied cases according to occupation.

| Occupation | No | % |
|----------------|-----------|--------------|
| House wife | 24 | 34.3 |
| Manual worker | 14 | 20.0 |
| Student | 13 | 18.6 |
| Civil employer | 12 | 17.1 |
| farmer | 7 | 10.0 |
| Total | 70 | 100.0 |

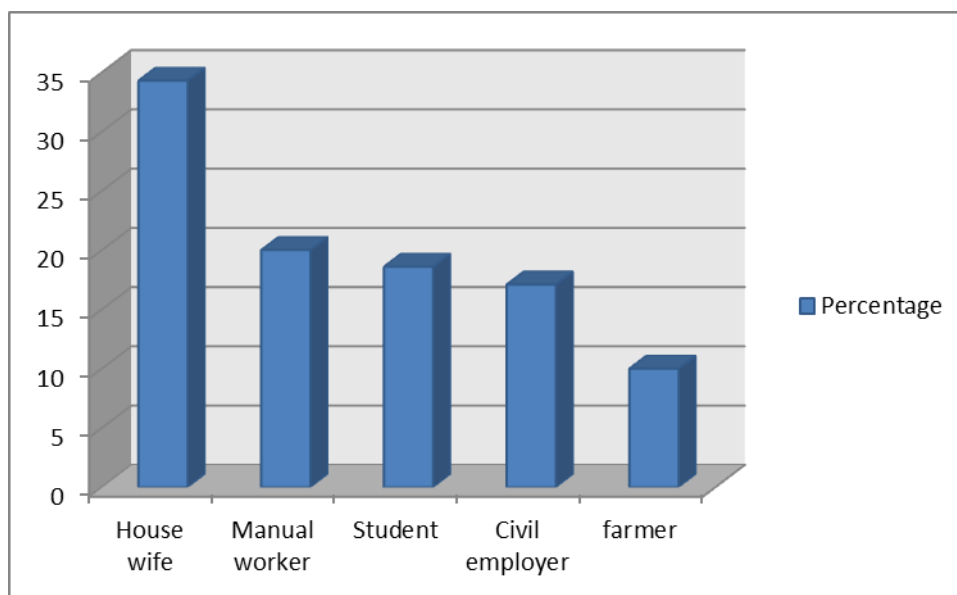


Figure (15): Bar chart shows frequency distribution of studied cases according to occupation.

Table (18): Frequency distribution of data according to clinical picture.

| Data | Frequency | Percent |
|---------------|-----------|--------------|
| Available | 55 | 78.6 |
| Not available | 15 | 21.4 |
| Total | 70 | 100.0 |

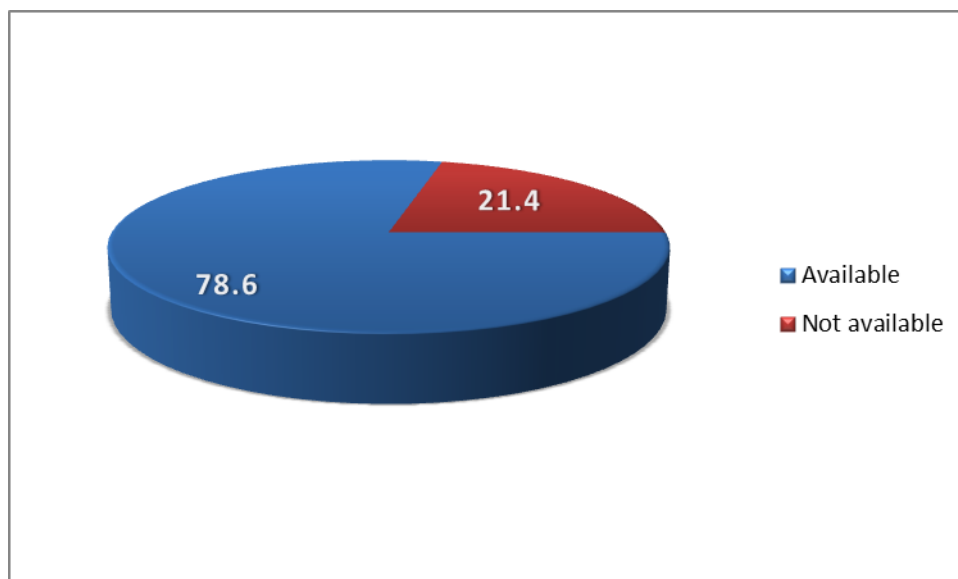


Figure (16): Pie chart shows frequency distribution of the availability of data according to clinical picture.

Table (19): Frequency distribution of studied cases according to clinical picture.

| Clinical picture | No (N=55) | % (100%) |
|---------------------|--------------|-------------|
| Nausea and vomiting | 43 | 78.2 |
| Headache | 47 | 85.5 |
| Blurring of vision | 18 | 32.7 |
| History of syncope | 17 | 30.9 |

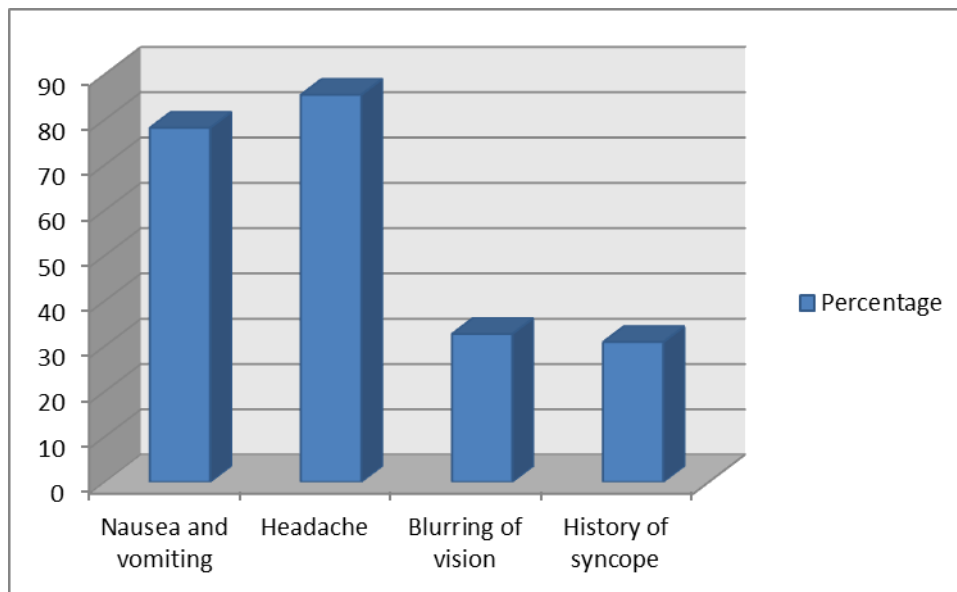


Figure (17): Bar chart shows frequency distribution of studied cases according to clinical picture.

Table (20): Frequency distribution of studied cases according to lines of treatment.

| Line of treatment | No (N=70) | % (100%) |
|-----------------------------------|--------------|-------------|
| 100% O ₂ | 70 | 100.0 |
| O ₂ & dexta | 16 | 22.9 |
| O ₂ & mannitol | 23 | 32.9 |
| O ₂ , dexta & mannitol | 52 | 74.3 |

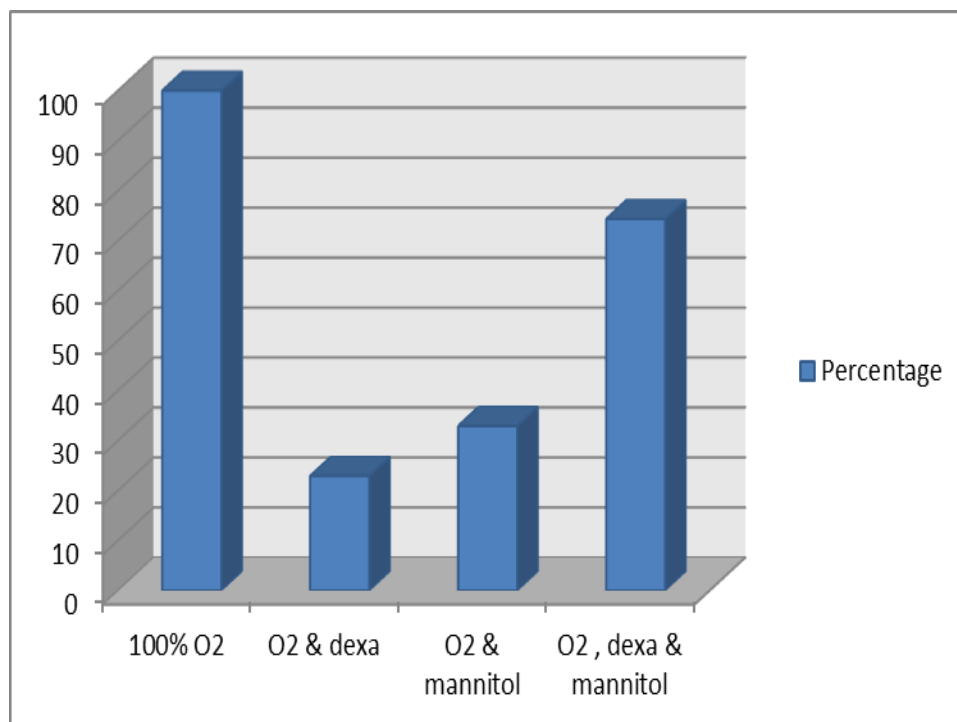


Figure (18): Bar chart shows frequency distribution of studied cases according to lines of treatment.

Table (21): Frequency distribution of studied cases according to outcome.

| Outcome | No | % |
|--------------|----|-------|
| Recovery | 70 | 100.0 |
| Non recovery | 0 | 0.0 |
| Total | 70 | 100.0 |

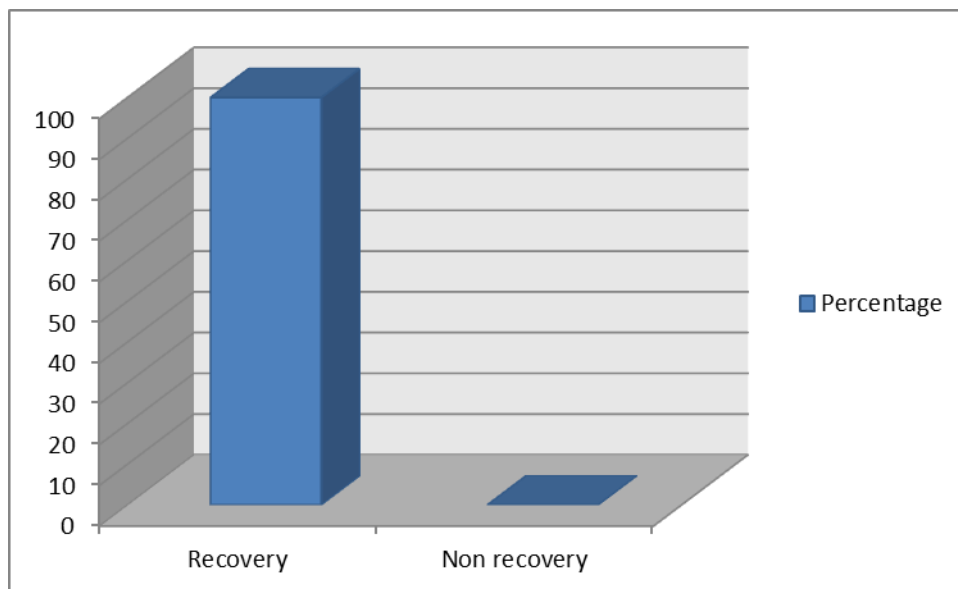


Figure (19): Bar chart shows frequency distribution of studied cases according to outcome.