

Table (1)
The description of thyroid diseases by age groups

Age group	Frequency	Percent
15-25yrs	19	17.6
35-26 yrs	31	28.7
45-36 yrs	24	22.2
55-46 yrs	19	17.6
>55yrs	15	13.9
Total	108	100.0

Table (2)
The gender of thyroid patients

Sex	Frequency	Percent
Male	14	13.0
Female	94	87.0
Total	108	100.0

Table (3)
The description of Patients Residences

Residence	Frequency	Percent
East Sudan	6	5.6
North Sudan	25	23.1
Khartoum	16	14.8
South Sudan	5	4.7
West Sudan	38	35.2
Middle Sudan	18	16.7
Total	108	100.0

Table (4)
The description of thyroid Patients marital status

Social class	Frequency	Percent
Single	30	27.8
Married	78	72.2
Total	108	100.0

Table (5)
The description of thyroid Patients Occupations

Occupation	Frequency	Percent
Student	13	12.0
Worker	17	15.7
Employee	17	15.7
House wife	61	56.5
Total	108	100.0

Table (6)
The description of thyroid Patients academic education levels

Education levels	Frequency	Percent
Non educated	21	19.4
Educated under university	66	61.2
University educated level	21	19.4
Total	108	100.0

Table (7)
The thyroids duration periods of the thyroid diseases

The period	Frequency	Percent
Less than 1 years	24	22.2
1 to 2 years	18	16.7
More than 2 years	66	61.1
Total	108	100.0

Table (8)
The description of family history for thyroid patients

Family history	Frequency	Percent
Positive	100	92.6
Negative	8	7.4
Total	108	100.0

Table (9)
The description of T₃ hormone levels in thyroid patients

T3 hormone level	Frequency	Percent
Low level	15	13.9
Normal level	74	68.5
High level	19	17.6
Total	108	100.0

Table (10)
The description of T4 hormone levels in thyroid patients

T ₄ hormone level	Frequency	Percent
Low level	15	13.9
Normal level	70	64.8
High level	23	21.3
Total	108	100.0

Table (11)
The description of TSH hormone levels in thyroid patients

TSH hormone level	Frequency	Percent
Low level	4	3.7
Normal level	104	96.3
High level	0	0
Total	108	100.0

Table (12)
The description of anatomical location for thyroid swellings

Anatomical location	Frequency	Percent
Anterior	36	33.3
Left lobe	8	7.4
Right lobe	14	13
Diffuse	50	46.3
Total	108	100.0

Table (13)
The description of Size for thyroid swellings

Size of thyroid swelling	Frequency	Percent
Small (less than 2 cm)	14	13
Moderate(2-5 cm)	60	55.5
Large(more than 5 cm)	34	31.5
Total	108	100.0

Table (14)
The description of quality of H&E stain concerning
back ground & deposit.

Back ground & deposit	Frequency	Percent	Mean
Excellent	85	78.7	
Very good	19	17.6	
Good	3	2.8	
Bad	1	0.9	
Total	108	100.0	90.97%

Table (15)
The description of quality of Pap stain concerning
back ground & deposit

Back ground & deposit	Frequency	Percent	Mean
Excellent	86	79.6	
Very good	17	15.7	
Good	4	3.7	
Bad	1	0.9	
Total	108	100.0	90.97%

Table (16)
The description of quality of MGG stain concerning
back ground & deposit.

Back ground & deposit	Frequency	Percent	Mean
Excellent	30	79.6	
Very good	52	15.7	
Good	18	3.7	
Acceptable	7	6.5	
Bad	1	.90	
Total	108	100.0	79.30%

Table (17)
The description of quality of H&E concerning
nuclear staining.

Nuclear staining	Frequency	Percent	Mean
Excellent	84	77.8	
Very good	20	18.50	
Good	3	2.8	
Bad	1	0.9	
Total	108	100.0	90.83%

Table (18)
The description of quality of Pap concerning
nuclear staining.

Nuclear staining	Frequency	Percent	Mean
Excellent	101	93.5	
Very good	7	6.5	
Total	108	100.0	94.03%

Table (19).

The description of quality of MGG concerning nuclear staining.

Nuclear staining	Frequency	Percent	Mean
Excellent	65	60.2	
Very good	30	27.8	
Good	7	6.5	
Acceptable	4	3.7	
Bad	2	1.9	
Total	108	100.0	86.11%

Table (20)
The description of quality of H&E concerning
cytoplasmic staining.

Cytoplasmic staining	Frequency	Percent	Mean
Excellent	72	66.7	
Very good	30	27.8	
Good	4	3.7	
Acceptable	1	0.9	
Bad	1	0.9	
Total	108	100.0	88.75%

Table (21)

The description of quality of Pap concerning cytoplasmic staining.

Cytoplasmic staining	Frequency	Percent	Mean
Excellent	99	91.7	
Very good	8	7.4	
Good	1	0.9	
Total	108	100.0	93.61%

Table (22)

The description of quality of MGG concerning cytoplasmic staining.

Cytoplasmic staining	Frequency	Percent	Mean
Excellent	50	46.3	
Very good	42	38.9	
Good	10	9.3	
Acceptable	4	3.7	
Bad	2	1.9	
Total	108	100.0	83.61%