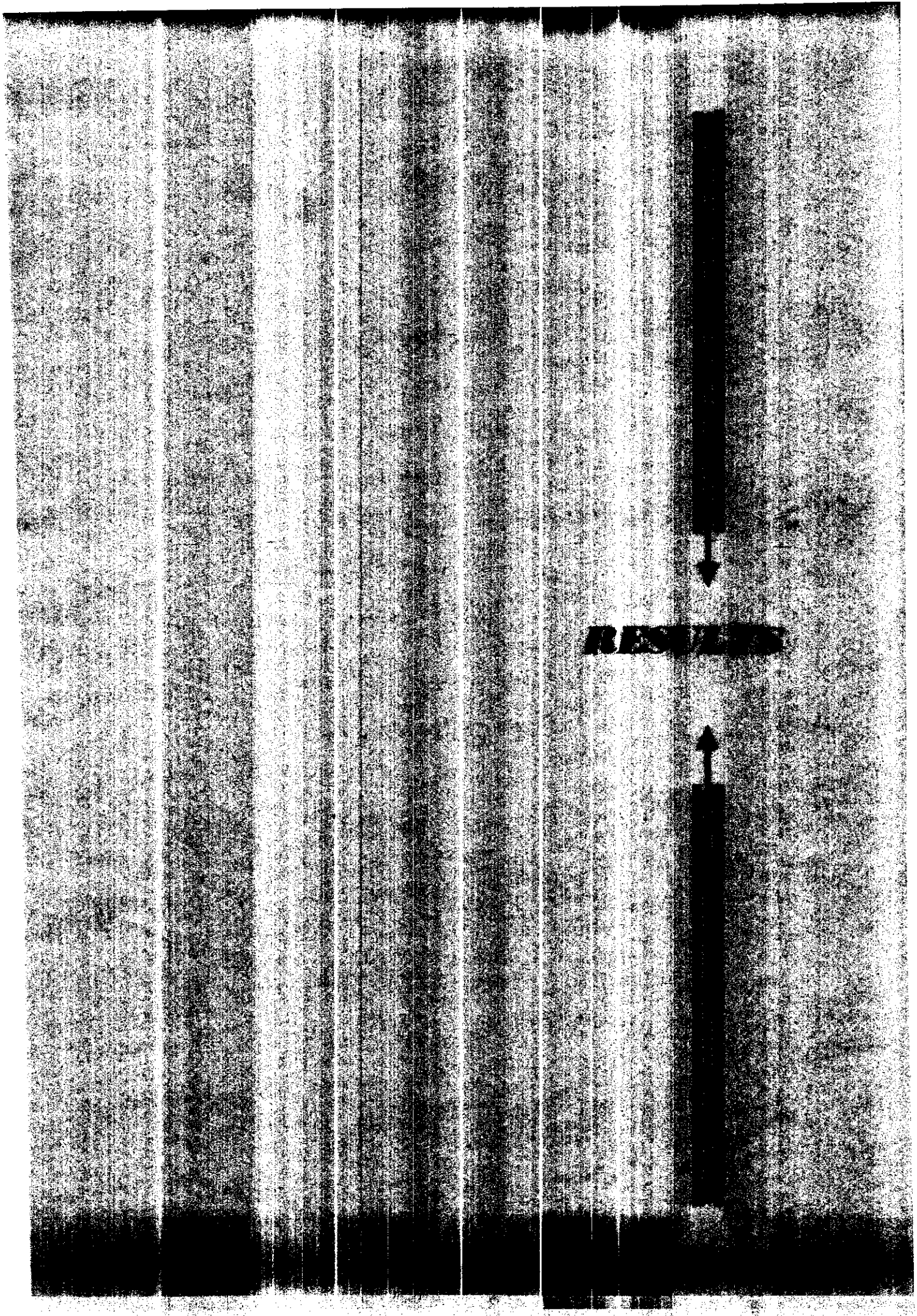


RESULTS

The eyes included in this study were classified into two groups according to the degree of field loss.

Group I:

Included eyes with early to moderate field loss. The percent field defect was equal to or less than 25%. 13 eyes fell in this group.

Group II:

Included eyes with advanced field loss. The percent field defect was greater than 25%. 17 eyes fell in this group.

GROUP I

Field Defects :

Percent :

The percent of the field defect was ranging between 8 and 25% with a mean value of 15.7%

Distribution

i) The distribution of field defects in the different quadrants is shown in table (2) and Fig. (10)

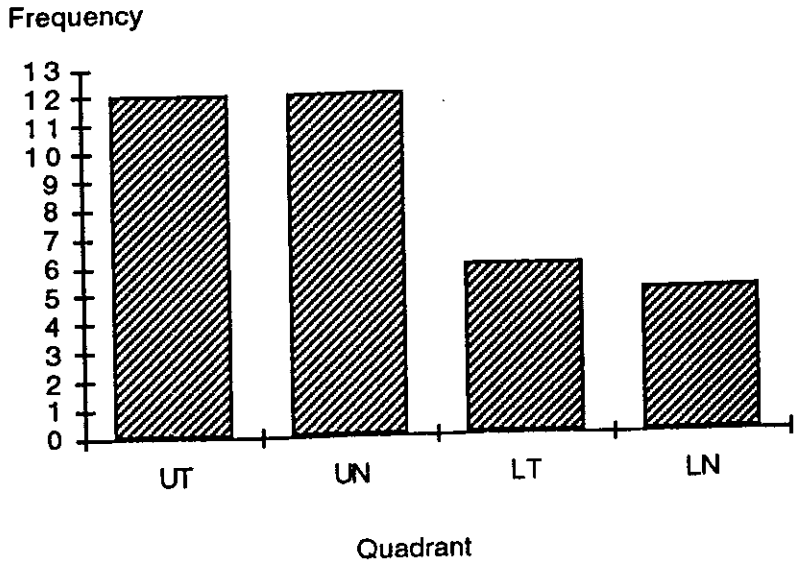
	Quadrant			
	UT	UN	LT	LN
Frequency	12	12	6	5

Distribution of field defects
in the different quandrants
(Group I)

UT : Upper Temporal LT : Lower Temporal

UN : Upper Nasal LN: Lower Nasal

(Table 2)



Distribution of field defects in the different quadrants (Group I)

Fig. (10)

ii) The distribution of field defects in the different halves is shown in Table (3) and Fig. (11)

	Upper half	Lower Half
Frequency	12	7

The distribution of the field defects in the different halves (Group I)

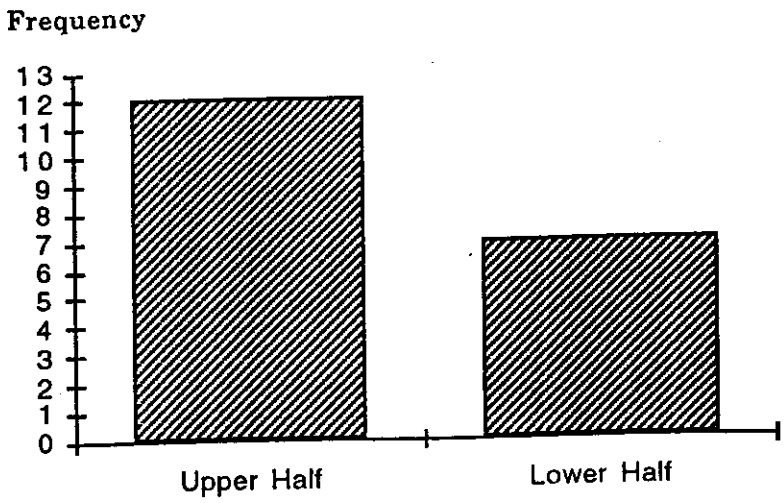
Table (3)

Disc Absolute Fluorescein

Filling Defects :

* ***Percent***

The percent of the disc absolute fluorescein filling defects was ranging between 10 and 18% with a mean value of 13.6%.



Distribution of field defects in the different halves

(Group I)

Fig. (11)

Distribution:

i) The distribution of disc absolute fluorescein filling defects in the different quadrants is shown in Table (4) and Fig. (12).

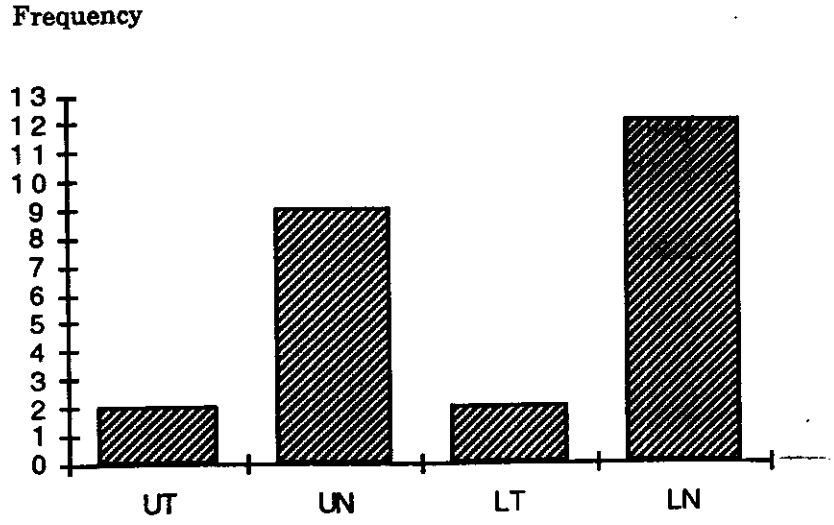
	Quadrant			
	UT	UN	LT	LN
Frequency	2	9	2	12

The distribution of disc absolute fluorescein filling defects in diffident quadrants

(Group I)

(Table 4)

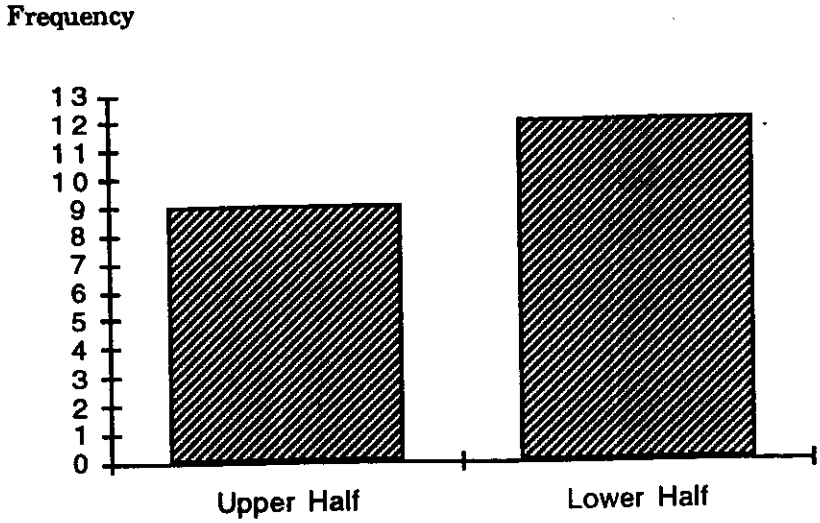
ii) The distribution of the disc absolute fluorescein filling defects in the different halves is shown in table (5) and Fig. (13).



Distribution of disc absolute fluorescein filling defects in the different quadrants

(Group I)

(Fig.12)



Distribution of disc absolute fluorescein filling defects in the different halves (Group I)

Fig. (13)

	Upper half	Lower Half
Frequency	9	12

The distribution of the disc absolute fluorescein filling defects in the different halves
(Group I)

Table (5)

Figures (14,15,16, and 17) show examples of the visual fields and disc fluorescein angiograms of cases belonging to group (I).

- % of field defects = 10 %
- Distribution of field defects:

  Upper temporal and lower nasal quadrants

- % of disc fluorescein filling defects = 13%
- Distribution of disc fluorescein filling defects:

  Upper nasal and lower nasal quadrants

(CASE No. 3)

Fig. (14)

- % of field defects = 16 %
- Distribution of field defects:

Upper temporal and upper nasal quadrants

- % of disc fluorescein filling defects = 14%
- Distribution of disc fluorescein filling defects:

Lower nasal and lower temporal quadrants

(CASE No. 8)

Fig. (15)

- % of field defects = 19 %
- Distribution of field defects:

Upper temporal and upper nasal quadrants

- % of disc fluorescein filling defects = 14%
- Distribution of disc fluorescein filling defects:

Upper nasal and lower nasal quadrants

(CASE No. 9)

Fig. (16)

- % of field defects = 20 %
- Distribution of field defects:
  Upper nasal, lower nasal and lower temporal quadrants

- % of disc fluorescein filling defects = 15%
- Distribution of disc fluorescein filling defects:
  Upper nasal,upper temporal and lower temporal quadrants

(CASE No. 10)

Fig. (17)

Group II

Field Defects :

**** Percent :***

The percent of the field defect was ranging between 27 and 84% with a mean value of 44.5 %

**** Distribution :***

i) The distribution of field defects in the different quadrants in shown in table (6) and Fig. (18).

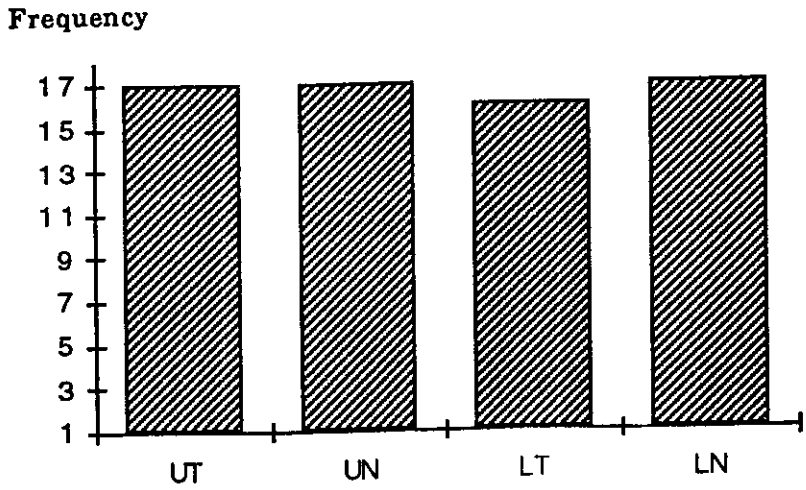
	Quadrant			
	UT	UN	LT	LN
Frequency	17	17	16	17

Distribution of field defects

in the different quadrants

Group (II)

(Table 6)



Quadrant

Distribution of field defects in the different quadrants

(Group II)

Fig. (18)

ii) **The distribution of field defects in the different halves is**

shown in table (7) and Fig. (19)

	Upper half	Lower Half
Frequency	17	17

The distribution of the field defects
in the different halves
(Group II)

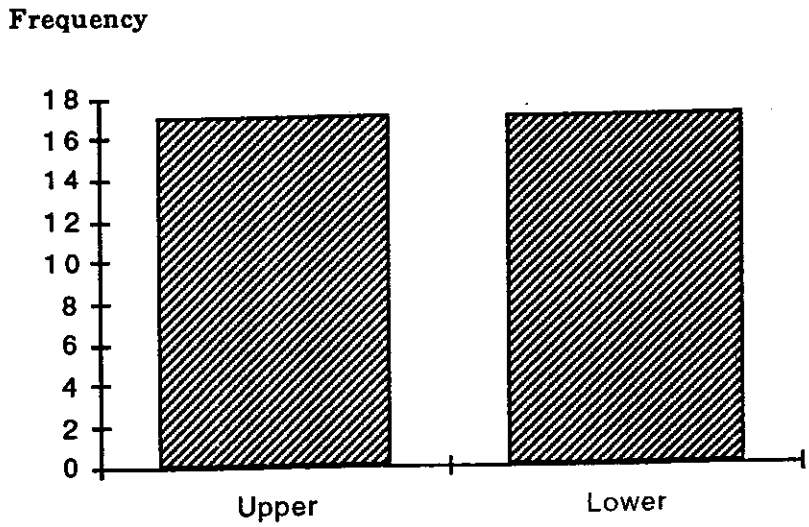
(Table 7)

Disc Absolute fluorescein

Filling Defects:

* *Percent :*

The percent of the disc absolute fluorescein filling defects was ranging between 16 and 49% with a mean value of 28.5%.



Half

Distribution of Field Defects
in The Different Halves
(Group II)

Fig. (19)

Distribution:

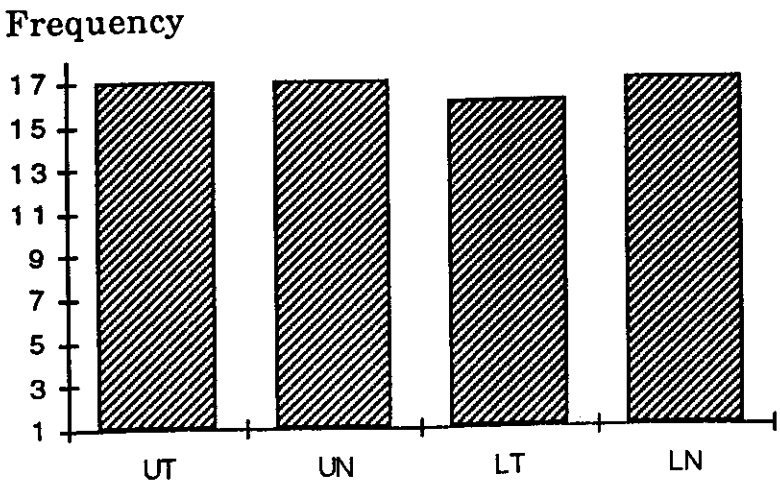
i) The distribution of the disc absolute fluorescein filling defects in the different quadrants is shown in Table (8) and Fig. (20).

	Quadrant			
	UT	UN	LT	LN
Frequency	17	17	16	17

The distribution of disc absolute fluorescein filling defects in different quadrants (Group II)

(Table 8)

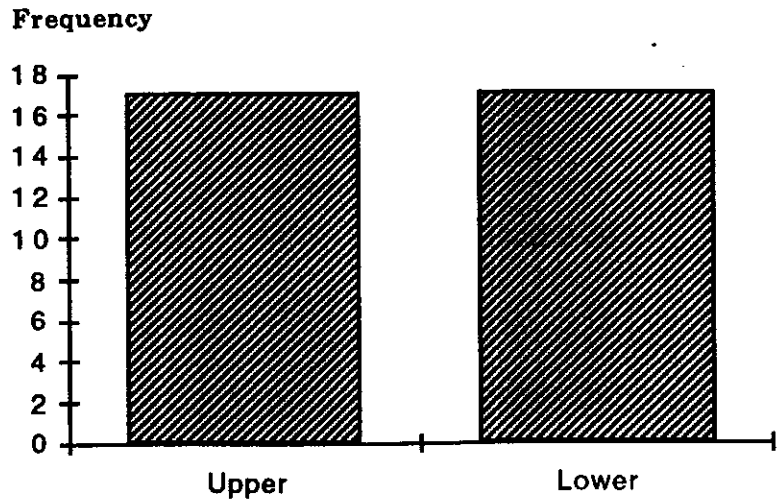
ii) The distribution of the disc absolute fluorescein filling defects in the different halves is shown in Table (9) and Fig. (21).



Distribution of disc absolute fluorescein filling defects in the different quadrants

(Group II)

Fig. (20)



Half

Distribution of disc absolute fluorescein filling defects in the different halves

(Group II)

Fig. (21)

	Upper half	Lower Half
Frequency	17	17

The distribution of the disc absolute fluorescein filling defects in the different halves (Group II)

(Table 7)

Figures (22,23,24,25,26) show examples of the visual fields and disc fluorescein angiograms of cases belonging to group II.

- % of field defects = 30 %
- Distribution of field defects:

4 quadrants

- % of Disc fluorescein filling defects = 18%
- Distribution of disc fluorescein filling defects:

4 quadrants

(CASE No. 16)

Fig. (22)

- % of field defects = 59 %
- Distribution of field defects:
  4 quadrants

- % of Disc fluorescein filling defects = 13%
- Distribution of disc fluorescein filling defects:
  4 quadrants

(CASE No. 25)
Fig. (23)

- % of field defects = 59 %
- Distribution of field defects:
  4 quadrants

- % of Disc fluorescein filling defects = 32%
- Distribution of disc fluorescein filling defects:
  4 quadrants

(CASE No. 26)

Fig. (24)

- % of field defects = 63 %
- Distribution of field defects:
  4 quadrants

- % of Disc fluorescein filling defects = 43%
- Distribution of disc fluorescein filling defects:
  4 quadrants

(CASE No. 28)
Fig. (25)

- % of field defects = 48 %
- Distribution of field defects:
  4 quadrants

- % of Disc fluorescein filling defects.= 49%
- Distribution of disc fluorescein filling defects:
  4 quadrants

(CASE No. 30)
Fig. (26).

Case No.	Age	Sex	Side	% of field defect	Distribution of field defect	% of disc absolute f. filling defect	Distribution of disc absolute f. filling defect
1	44	F	Rt	8	UT, UN	10	LN
2	50	M	Lt	8	UT, UN	11	LN
3	49	M	Rt	10	UT, UN, LN	13	UN, LN
4	44	F	Lt	13	UT, UN	13	UN, LN
5	51	F	Lt	14	UT, UN	12	LN
6	56	F	Rt	14	UT, UN, LT	13	UN, LN
7	43	M	Rt	14	LT, LN, UT	13	UN, LN
8	49	F	Lt	16	UT, UN	14	LT, LN
9	47	F	Lt	19	UT, UN	14	UN, LN
10	45	M	Rt	20	UN,LT, LN	15	UT, UN, LT
11	48	F	Rt	20	4 Q	15	UN, LN
12	47	F	Rt	23	UT, UN, LT	16	UN, LN
13	45	F	Rt	25	4 Q	18	UT, UN, LN
14	58	M	Rt	27	4 Q	16	4 Q
15	51	F	Rt	27	4 Q	18	4 Q
16	60	F	Lt	30	4 Q	18	4 Q
17	56	M	Lt	30	4 Q	19	4 Q
18	54	F	Rt	31	UT, UN, LN	19	UT, UN, LN
19	48	F	Lt	33	4 Q	22	4 Q
20	43	M	Lt	35	4 Q	24	4 Q
21	45	M	Lt	38	4 Q	25	4 Q
22	51	F	Lt	39	4 Q	28	4 Q
23	58	M	Rt	41	4 Q	26	4 Q
24	53	F	Lt	44	4 Q	30	4 Q
25	56	M	Rt	59	4 Q	31	4 Q
26	56	M	Rt	59	4 Q	32	4 Q
27	60	F	Lt	63	4 Q	40	4 Q
28	58	M	Lt	63	4 Q	43	4 Q
29	55	F	Rt	64	4 Q	44	4 Q
30	60	F	Rt	84	4 Q	49	4 Q

UT = Upper Temporal
UN = Upper Nasal
4 Q = 4 Quadrants
LT = Lower Temporal
LN = Lower Nasal

Results of field testing and disc fluorescein angiography