M A T E R I A L
A N D
M E T H O D S
SELECTION OF SUBJECTS -

This study was carried out on 360 eyes of 180 people. These people presented in the department of Ophthalmology of M.L.B. Medical College, Jhansi.

Consecutive patients who were referred for refraction for whatever reasons and who fulfilled the following criteria were selected for the study -

1. Patients either emmetrope or myope
2. Age 10 years or more
3. No history of retinal disease
4. No symptoms of light flashes or floaters
5. Patient being able to cooperate in the binocular indirect ophthalmoscopic examination

FORMATION OF STUDY GROUPS -

In our study we examined 360 eyes. Out of them there were 240 myopic eyes and 120 emmetropic eyes. Groups were made from them in the following manner -

GROUP A - It consisted of the myopic eyes which were 360 in number.

SUB-GROUP A-1 - This included the myopic eyes up to 6.00 D of myopia. They were 168 in number.
SUB-GROUP A-2 - This included the myopic eyes whose number exceeded -6.25 D. They were 72 in number.

GROUP B - This included 120 emmetropic eyes.

METHOD OF THE STUDY -

The study was carried out on all the eyes by examining their peripheral retina with each eye being treated independently. The eyes which were emmetrope served the purpose of comparison.

The classification of the patients as emmetrope or myope was done on the basis of the streak retinoscopic examination which was performed on every eye. The power of the eye in cases of astigmatism was calculated by taking the spherical equivalent of the astigmatic error and adding it to the spherical power of the eye.

Selected cases had their eyes dilated with a combination drop of 0.8% tropicamide and 5% phenylephrine as this is supposed to be the best dilating agent for the binocular indirect ophthalmoscopy.

All these cases were put for examination under the binocular indirect ophthalmoscope aided wherever needed by scleral
depressor. Cases meriting further examination were also seen
under slit lamp with a three mirror lens.

All the findings were recorded on a prefixed proforma
which is given on the next page.
WORKING PROFORMA

OPD No. __________  Case No. __________
Name ________________  Date __________
Address ________________  Age/Sex __________

Chief complaints -
1.
2.
3.

Examination of the eye -
1. Orbit
2. Lids
3. Eye ball
4. Conjunctiva
5. Cornea
6. A/C
7. Iris
8. Pupil
9. Lens
10. Vision
11. Tension

Streak Retinoscopic Examination -
RE -
LE -

Indirect Ophthalmoscopic Examination -
RE -
LE -

Fundus Examination with 3 mirror lens under Slit Lamp -
RE -
LE -

Any other Examination -
RE -
LE -