MATERIAL AND METHODS
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In the present study "corneal astigmatism in cataract surgery comparative study using silk, nylon and vicryl sutures".

120 cataract patients were selected from the eye O.P.D., M.I.B. Medical College, Hospital Jhansi.

The patients were divided into three groups.

1. Group A - Consisting of 40 patients. In this group silk suture was used as suturing material.

2. Group B - Consisting of 40 patients. In this group nylon (monofilament) suture was used as suturing material.

3. Group C - Consisting of 40 patients. In this group vicryl suture was used as suturing material.

The patients were examined under following headings:

1. Name
2. Age/Sex
3. Occupation
4. Address
5. Personal History
6. Past History
**GENERAL EXAMINATION** - (1) Anaemia (2) Oedema (3) Pulse rate (4) Blood pressure (5) Temperature (6) Lymph node.

**SYSTEMIC EXAMINATION** - (1) CVS (2) CNS (3) Respiratory.


**INVESTIGATIONS** - 1- Blood - Hb%, TLC, DLC, ESR, Sugar.<sub>F</sub>  
2- Urine - Albumin, Sugar, Microscopic.

For the extraction of the cataractus lens small limbus based conjunctival flap was made and midlimbal incision was given extending approximately from 9 'O' clock to 3 'O' clock position.

The section was cut vertically downward with a razor blade fragment and completed with corneo-scleral or spring scissors. One post placed central suture was given then cataract was extracted by both extra-capsular as well as intra-capsular.

After cataract extraction, section was closed with the help of suture in interrupted manner. The number of stitches were 5-7 in each case and the depth of the suture placement was at about the middle third of the incision. The surgery was performed by one surgeon.
Corneal astigmatism was measured by an observer not involved in the surgery and without prior knowledge of the type of surgery. The suture was removed after 10 days in cases of nonabsorbable suture.

### ASTIGMATISM

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<th>S. No.</th>
<th>Groups</th>
<th>No. of patients</th>
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