

LIMBAL RELAXING INCISIONS

R. Bruce Wallace, III, MD

INSTRUMENTS:

- Diamond Knife (E0126): Trifacet 600m preset depth, single foot plate
- Marker (ET2425): Mendez axis ring
- Forceps (E3199): 0.12 colibri

PROCEDURE:

- Place axis ring around limbus
- Mark axis with forceps
- Mark limits of intended incision(s) with forceps
- Remove axis ring
- Dry marks with cellulose sponge
- Fixate globe with forceps
- Perform incision(s), direct toward fixation

NOMOGRAM

Assuming all cataract incisions are performed temporally and are relatively astigmatically neutral:

FOR WITH-THE-RULE AND OBLIQUE ASTIGMATISM:

Astigmatism (in diop.)	40 - 50 yo	50 - 60 yo	60 - 70 yo	70 - 80 yo	80+ yo
1.00 - 1.50	60°(1)	50°(1)	50°(1)	40°(1)	30°(1)
1.50 - 2.00	70°(1)	70°(1)	70°(1)	60°(1)	60°(1)
2.00 - 2.50	60°(2)	60°(2)	60°(2)	70°(1)	70°(1)
2.50 - 3.00	70°(2)	70°(2)	70°(2)	60°(2)	60°(2)
3.00 - 4.00	80°(2)	80°(2)	80°(2)	70°(2)	70°(2)

FOR AGAINST-THE-RULE ASTIGMATISM:

Astigmatism (in diop.)	40 - 50 yo	50 - 60 yo	60 - 70 yo	70 - 80 yo	80+ yo
1.00 - 1.50	60°(1)	50°(1)	40°(1)	40°(1)	30°(1)
1.50 - 2.00	70°(1)	60°(1)	60°(1)	60°(1)	40°(1)
2.00 - 2.50	60°(2)	80°(1)	80°(1)	70°(1)	60°(1)
2.50 - 3.00	70°(2)	70°(2)	70°(2)	60°(2)	60°(2)
3.00 - 4.00	80°(2)	80°(2)	80°(2)	70°(2)	70°(2)

(1) - denotes one(1) incision

(2) - denotes two(2) incisions

When using nomogram, if age/astigmatism at dividing point:

- choose shortest incision length
- choose one incision over two

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