Intralimbal Relaxing Incision Nomogram for Modern Phaco Surgery

Empiric blade-depth setting of 600 microns

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SPHERICAL

(up to $+0.75 \times 90$ or $+0.50 \times 180$)

Incision Design "Neutral" temporal clear corneal incision (ie., 3.5 mm. or less, single plane, just anterior to vascular arcade)

AGAINST-THE-RULE

(Steep Axis 0-40°/140-180°)

		Paired Incisions in Degrees of Arc*						
PRE-OP CYLINDER		30-40 yrs old	41-50 yrs old	51-60 yrs old	61-70 yrs old	71-80 yrs old	81-90 yrs old	91+ yrs old
+0.75 to +1.25	Nasal limbal arc only*						35°	
		55°	50°	45°	40°	35°		
+1.50 to +2.00		70°	65°	60°	55°	45°	40°	35°
+2.25 to +2.75		90°	80°	70°	60°	50°	45°	40°
+3.00 to +3.75		90° o.z = 8mm	90° o.z. = 9mm	85°	70°	60°	50°	45°

Incision Design The temporal incision, if greater than 40° of arc, is made by first creating a two-plane, grooved phaco incision (600 µ depth), which is then extended to the appropriate arc length at the conclusion of surgery.

WITH-THE-RULE

(Steep Axis 45°-145°)

	Paired Incisions in Degrees of Arc						
PRE-OP CYLINDER	30-40 yrs old	41-50 yrs old	51-60 yrs old	61-70 yrs old	71-80 yrs old	81-90 yrs old	91+ yrs old
+1.00 to +1.50	50°	45°	40°	35°	30°		
+1.75 to +2.25	60°	55°	50°	45°	40°	35°	30°
+2.50 to +3.00	70°	65°	60°	55°	50°	45°	40°
+3.25 to +3.75	80°	75°	70°	65°	60°	55°	45°

"Neutral" temporal clear corneal along with the following peripheral arcuate incisions **Incision Design**

> When placing intralimbal relaxing incisions following or concomitant with radial relaxing incisions, total arc length is decreased by 50%

The "NAPA" Nomogram

Nichamin Age & Pachymetry-Adjusted Intralimbal Arcuate Astigmatic Nomogram

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WITH-THE-RULE

(Steep Axis 45°-145°)

PREOP CYLINDER	R Paired Incisions in Degrees of Arc					
(Diopters)	20-30 yrs old	31-40 yrs old	41-50 yrs old	51-60 yrs old		
0.75	40	35	35	30		
1.00	45	40	40	35		
1.25	55	50	45	40		
1.50	60	55	50	45		
1.75	65	60	55	50		
2.00	70	65	60	55		
2.25	75	70	65	60		
2.50	80	75	70	65		
2.75	85	80	75	70		
3.00	90	90	85	80		

AGAINST-THE-RULE

(Steep Axis 0-40°/140-180°)

PREOP CYLINDER	Paired Incisions in Degrees of Arc						
(Diopters)	20-30 yrs old	31-40 yrs old	41-50 yrs old	51-60 yrs old			
0.75	45	40	40	35			
1.00	50	45	45	40			
1.25	55	55	50	45			
1.50	60	60	55	50			
1.75	65	65	60	55			
2.00	70	70	65	60			
2.25	75	75	70	65			
2.50	80	80	75	70			
2.75	85	85	80	75			
3.00	90	90	85	80			

When placing intralimbal relaxing incisions following or concomitant with radial relaxing incisions, total arc length is decreased by 50%

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