

18th International Conference of the
Research Institute of Ophthalmology

RIO 2026

Subincisional Cortex Management Techniques



NETO**ROSATELLI**



Why Did I Suggest This Topic?

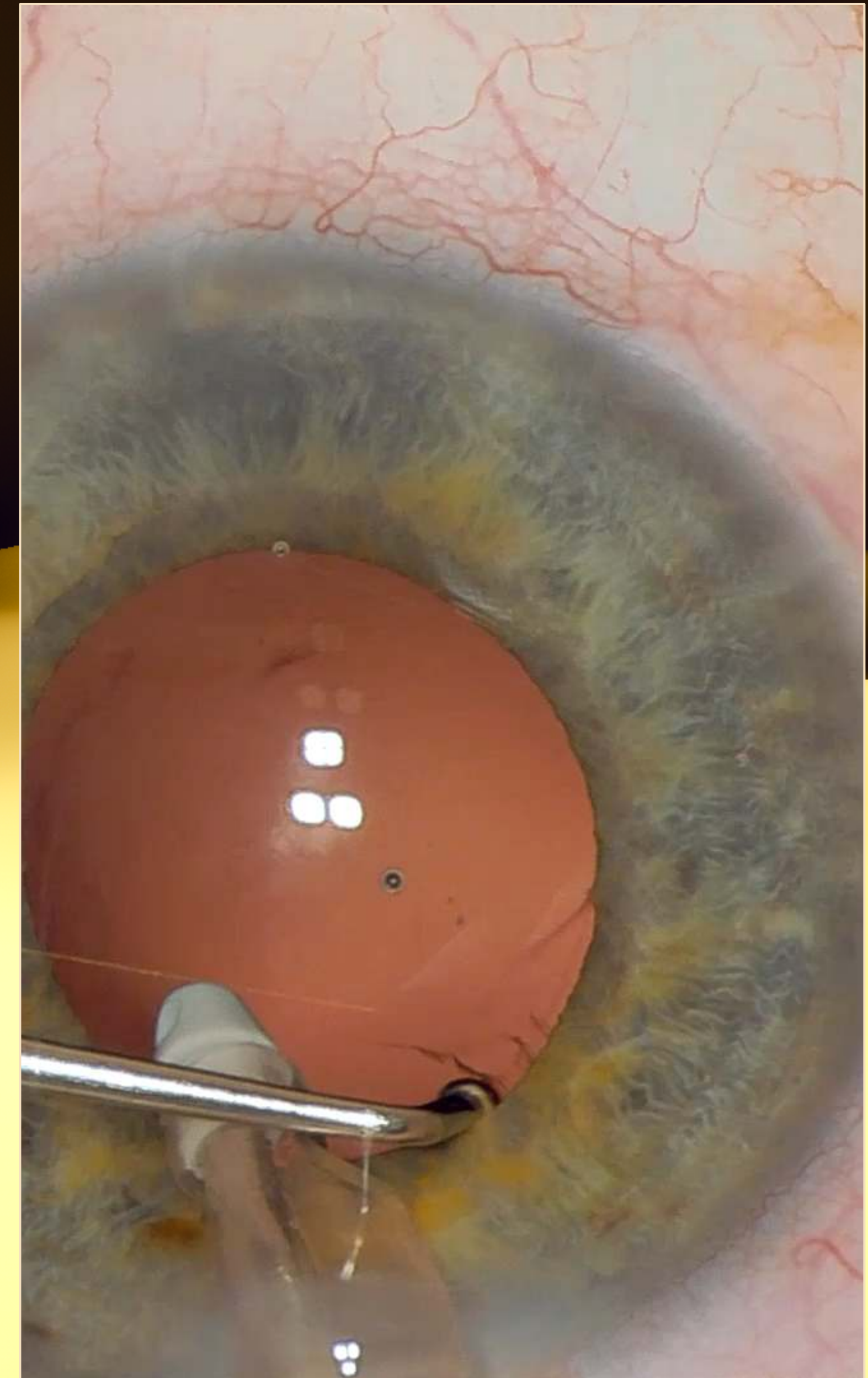


Why Did I Suggest This Topic?

- Frequent doubt in the discussion groups I participate in
- Difficulty not only for the beginner surgeon
- Many **effective** but **little-used techniques!**



The surgical step in which most PCR cases occur is cortical management!

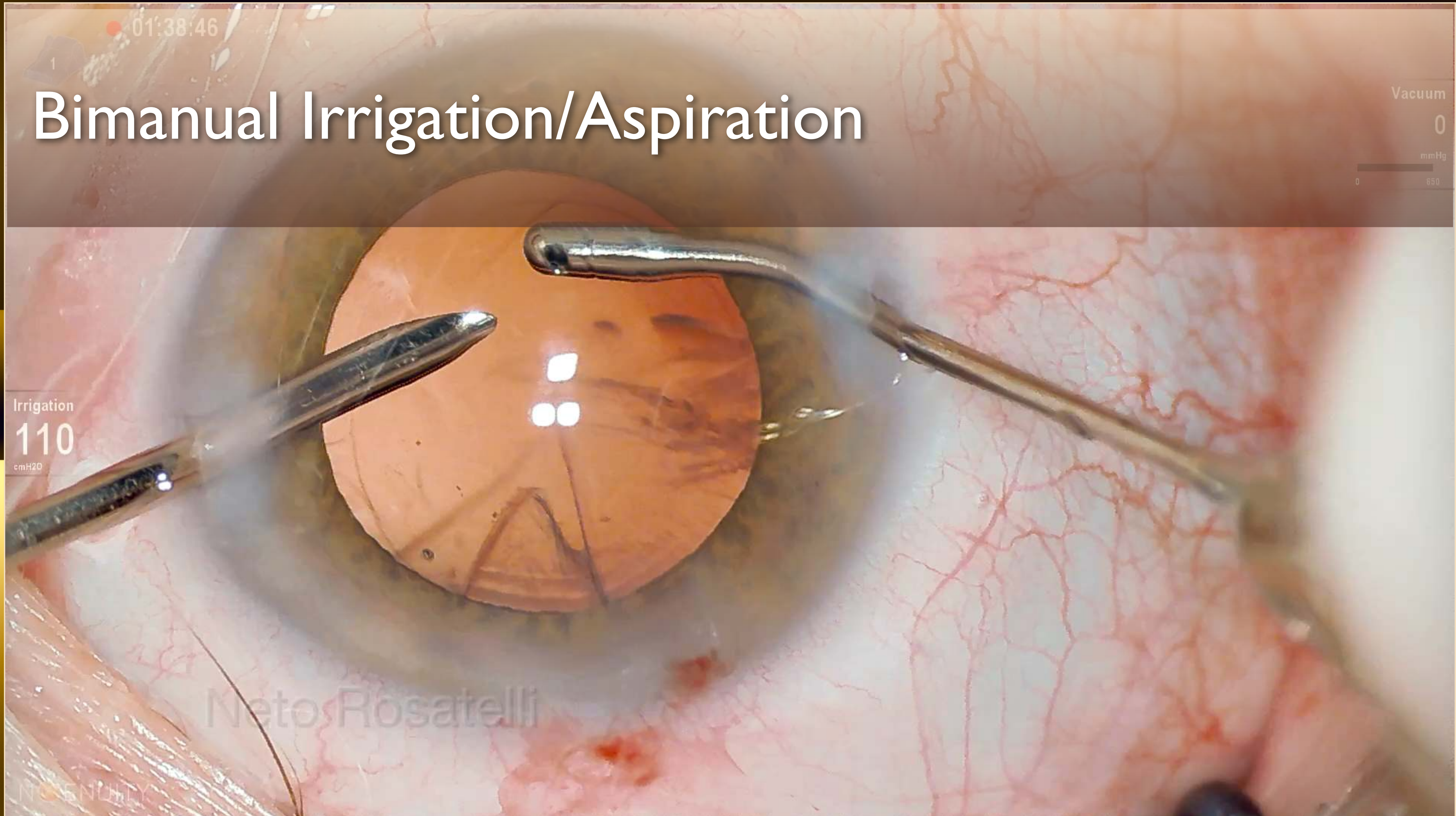




- Bimanual Irrigation/Aspiration
- Curved Coaxial Irrigation/Aspiration
- Coaxial Irrigation/Aspiration depressing the posterior capsule
- Hybrid Irrigation/Aspiration
 - Coaxial + aspiration
 - Phaco handpiece + aspiration
 - Alcon Intrepid Transformer
- Powerwash
- Dry Aspiration
 - Aspiration handpiece
 - Simple cannula
- Cortex displacement with chopper
 - Under viscoelastic
 - Under irrigation
- IOL Scaffold cortex aspiration
- Viscodissection



Bimanual Irrigation/Aspiration





53:48

Curved Coaxial Irrigation/Aspiration Probe

Vacuum

0

mmHg

0 650

Neto Rosatelli

NO ENUTY



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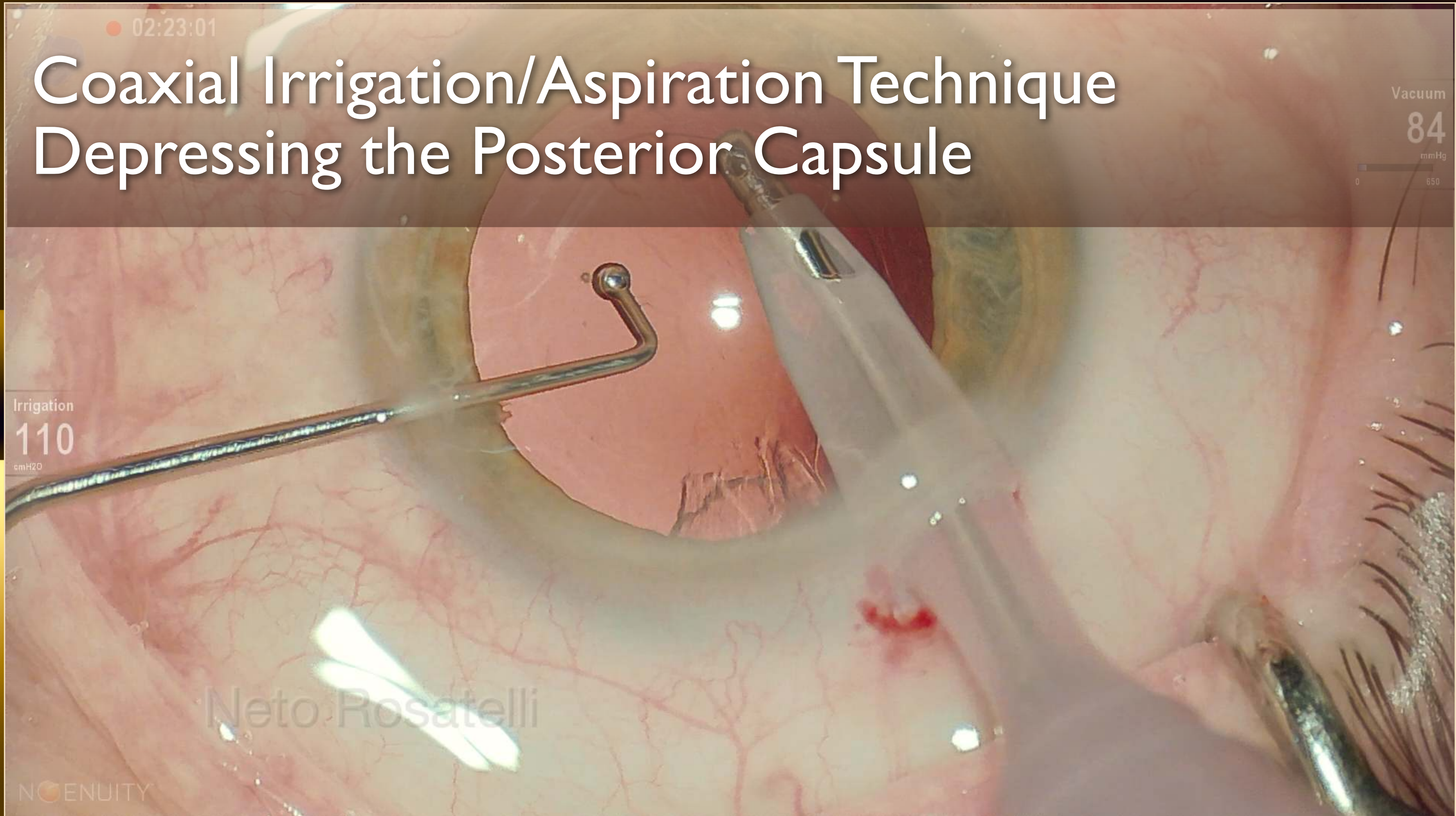


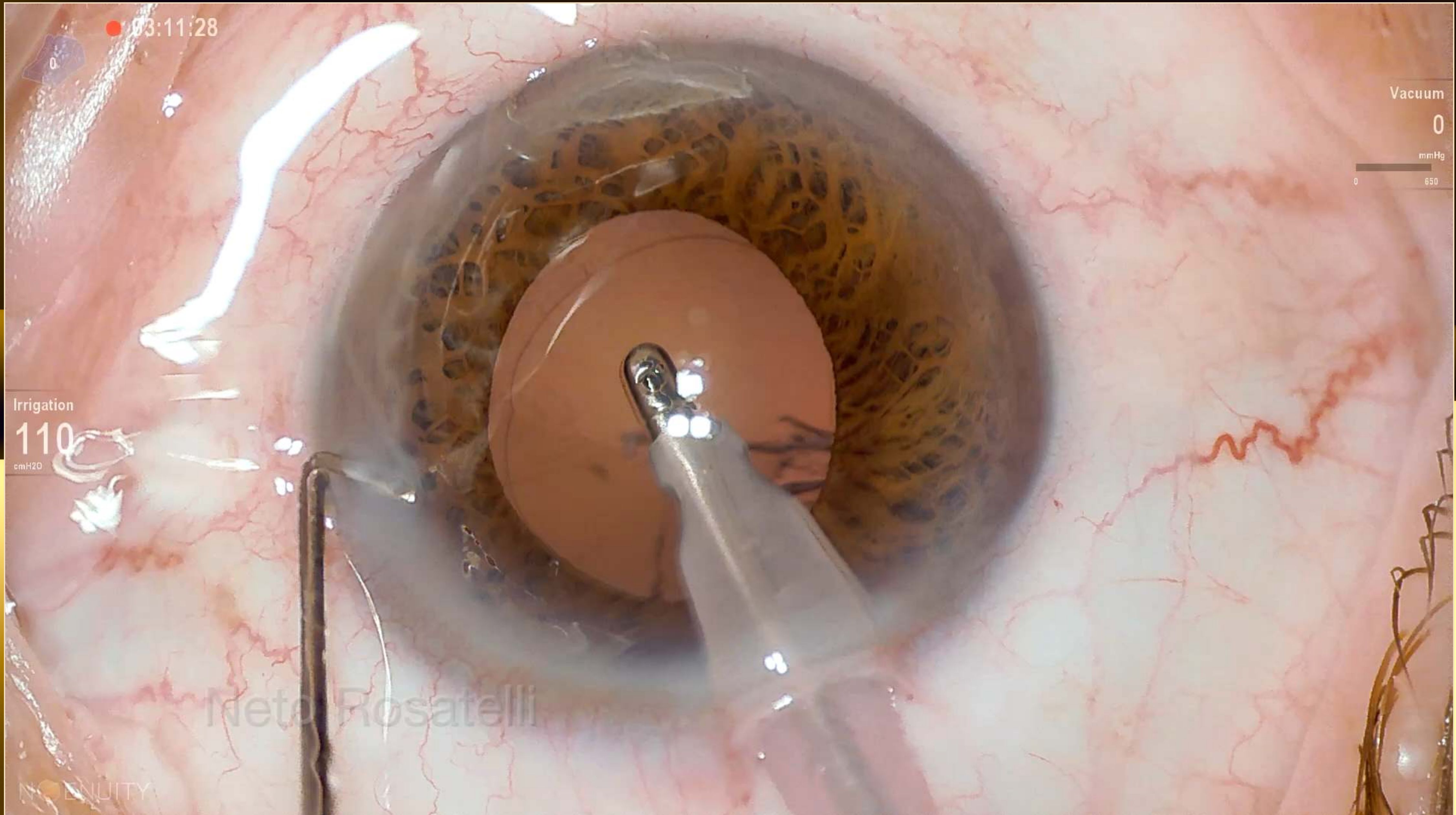
Curved Aspiration Tips





Coaxial Irrigation/Aspiration Technique Depressing the Posterior Capsule







33:15

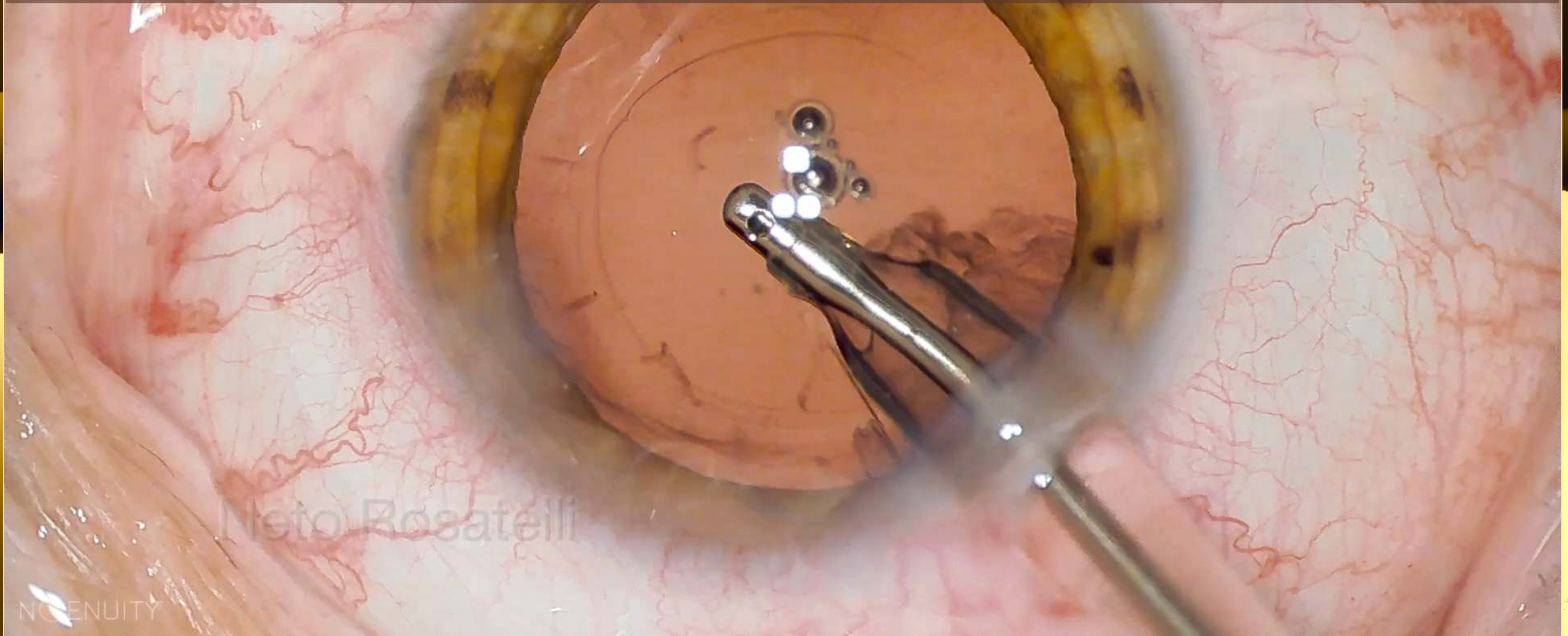
Hybrid Irrigation/Aspiration (coaxial handpiece + aspiration tip)

Vacuum

0

mmHg

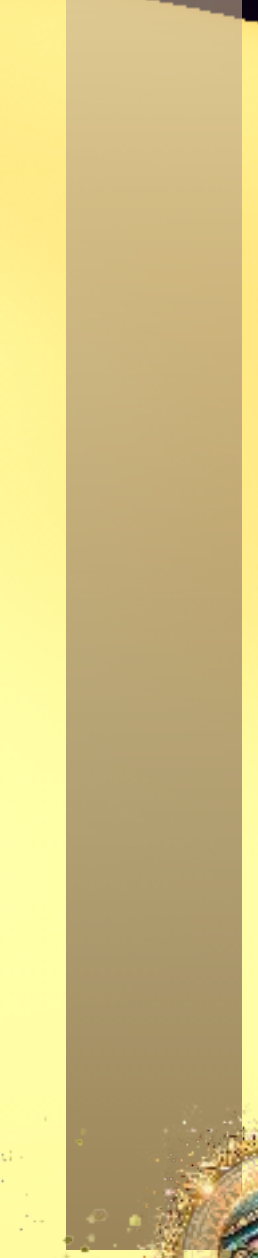
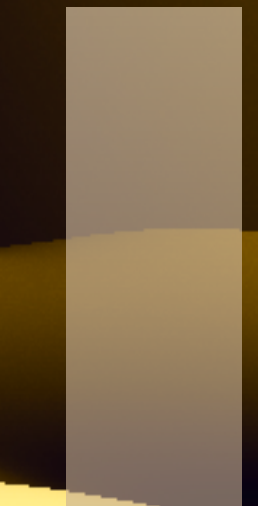
0 650

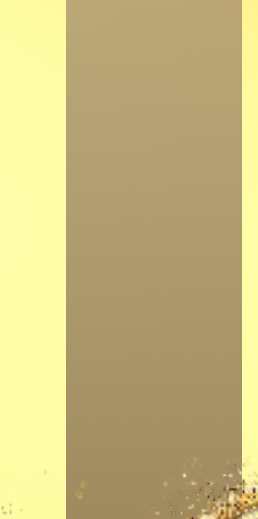
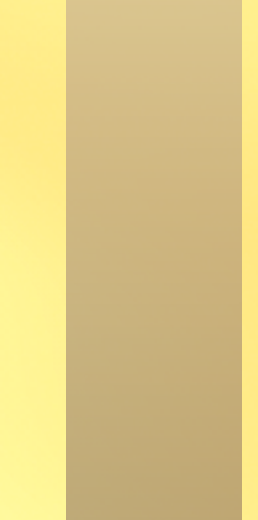
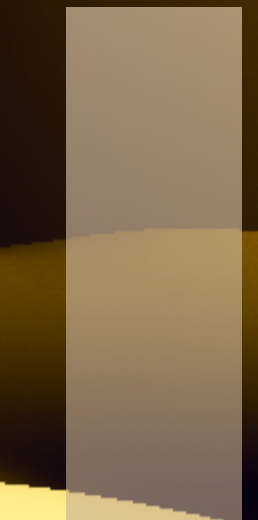


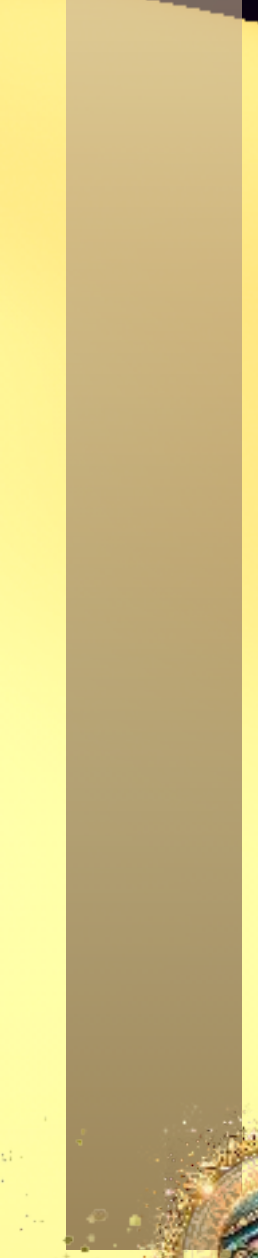
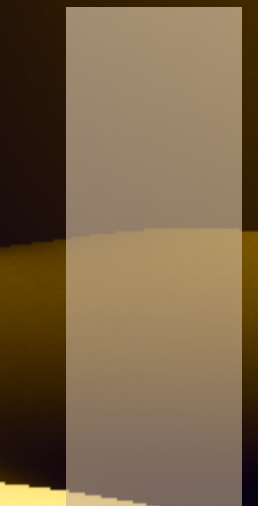
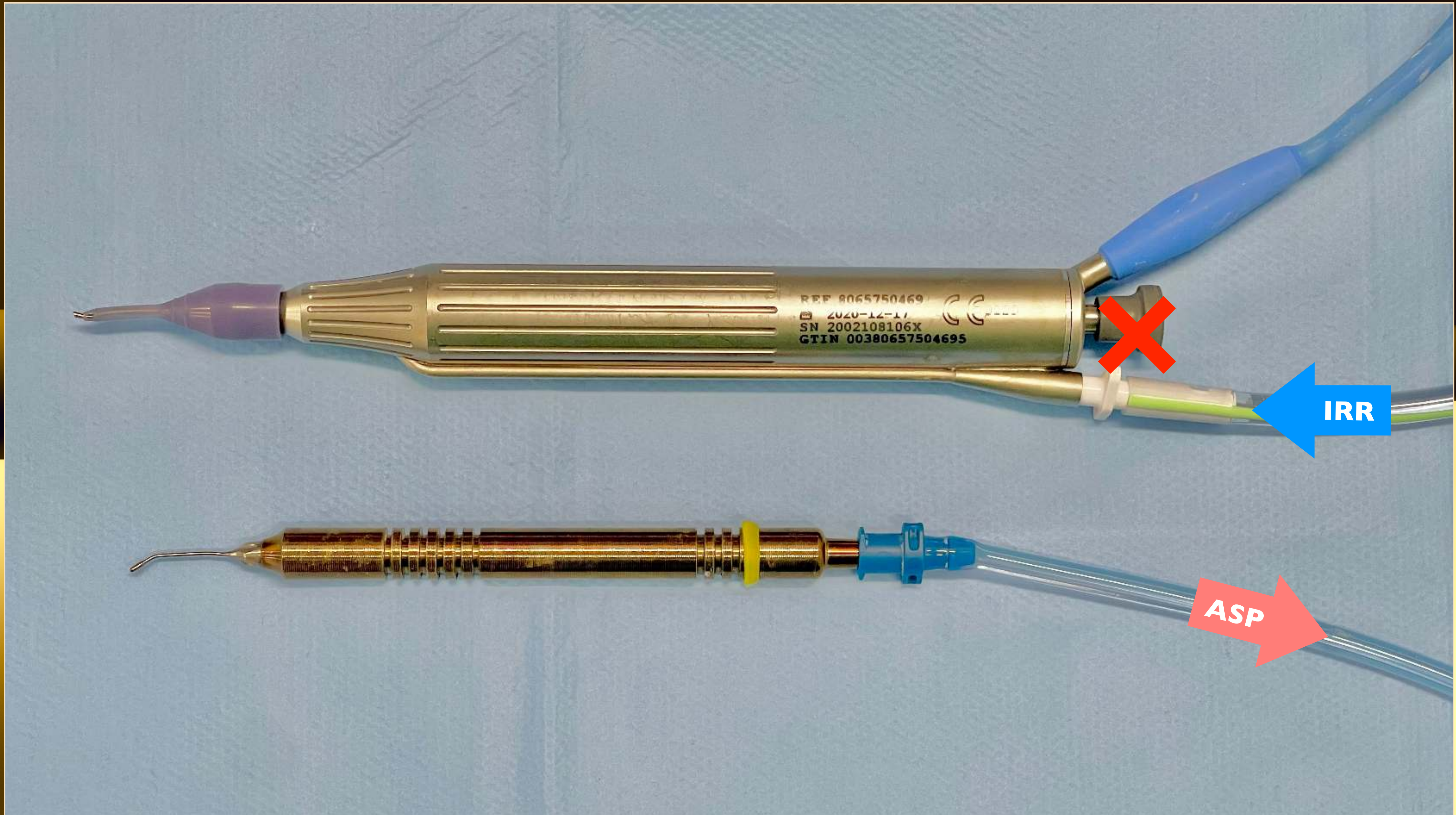
NO ENUITY

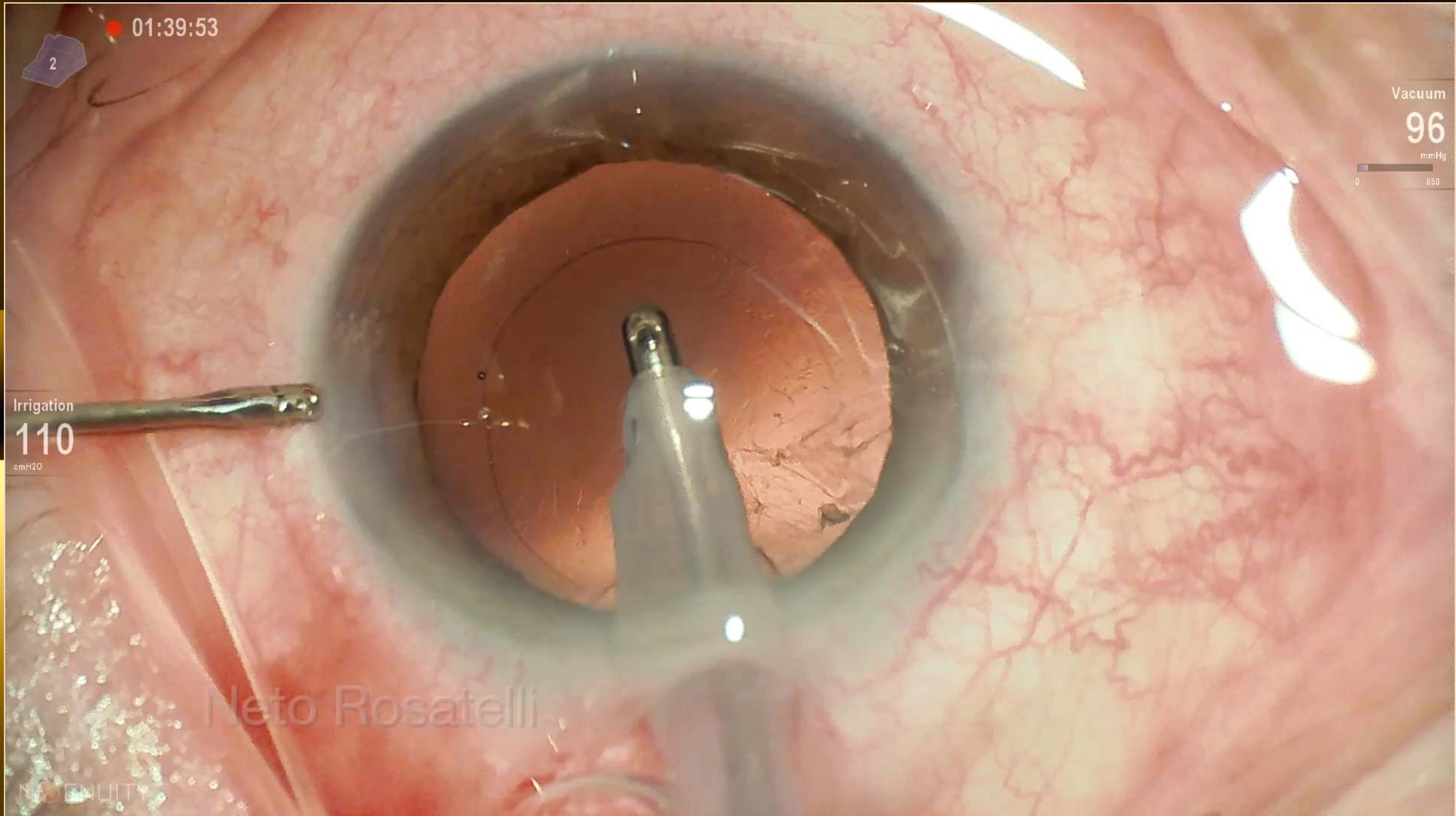


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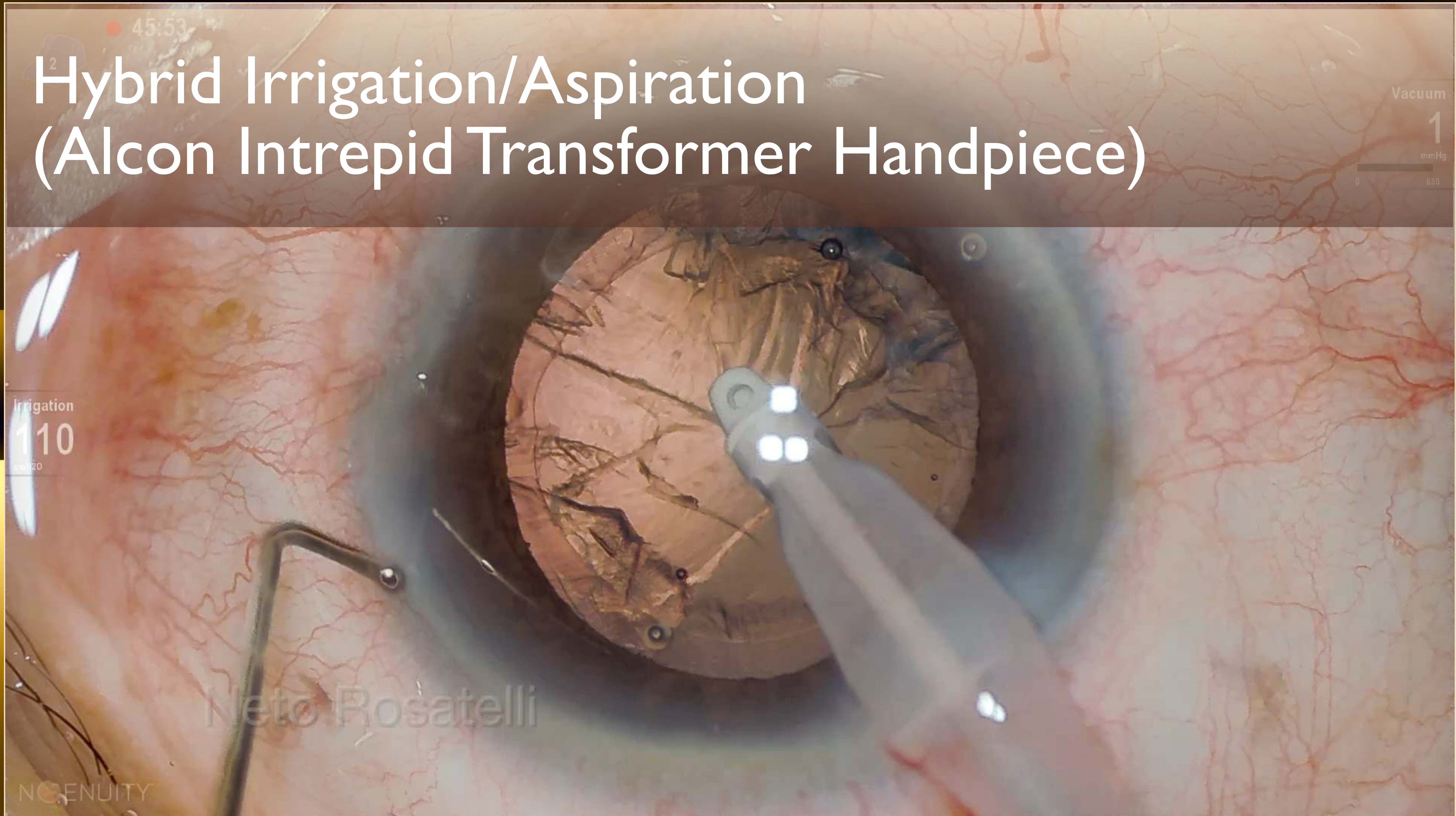








Hybrid Irrigation/Aspiration (Alcon Intrepid Transformer Handpiece)



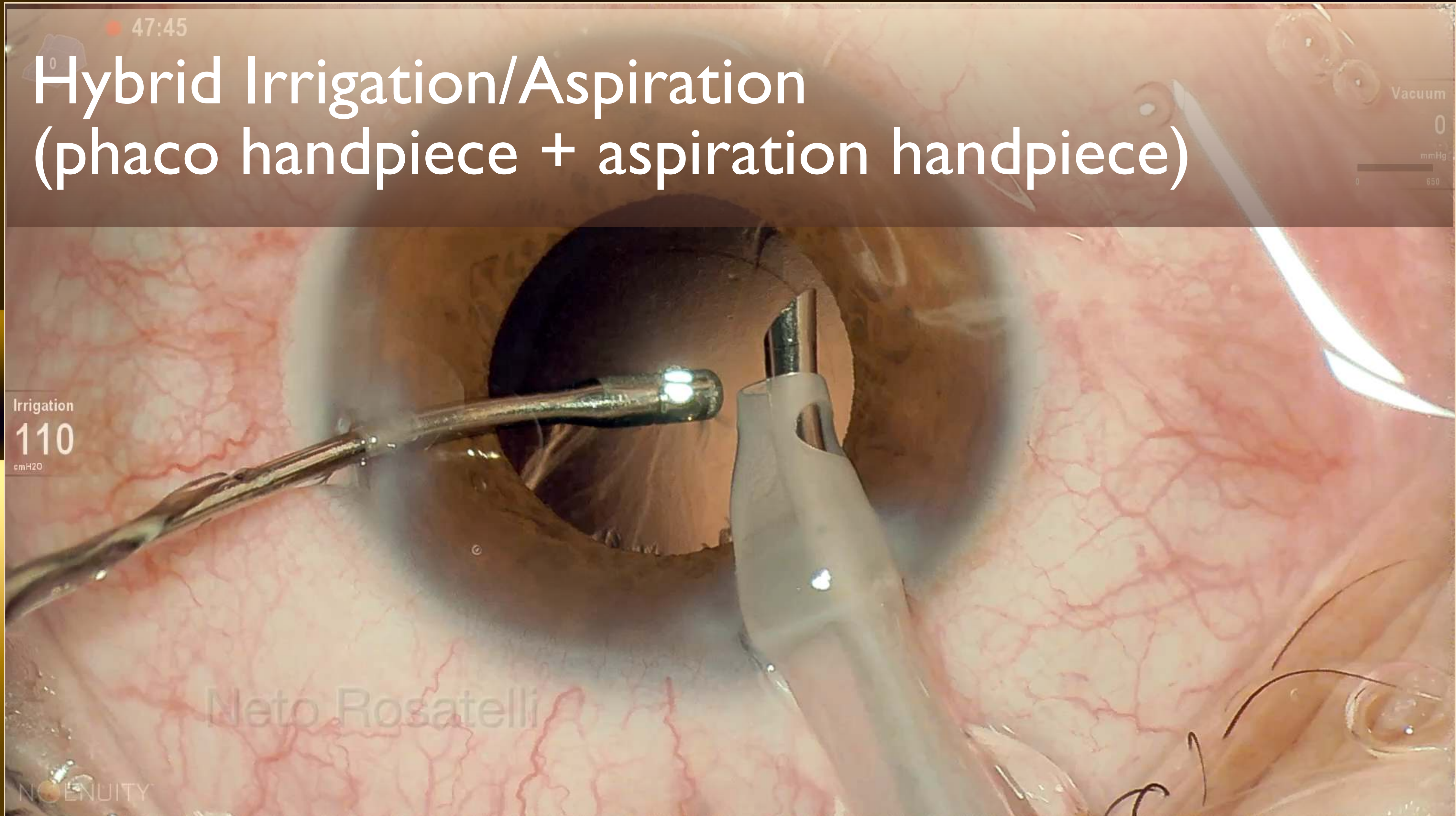


Hybrid Irrigation/Aspiration (Alcon Intrepid Transformer handpiece)





Hybrid Irrigation/Aspiration (phaco handpiece + aspiration handpiece)





02:26:33

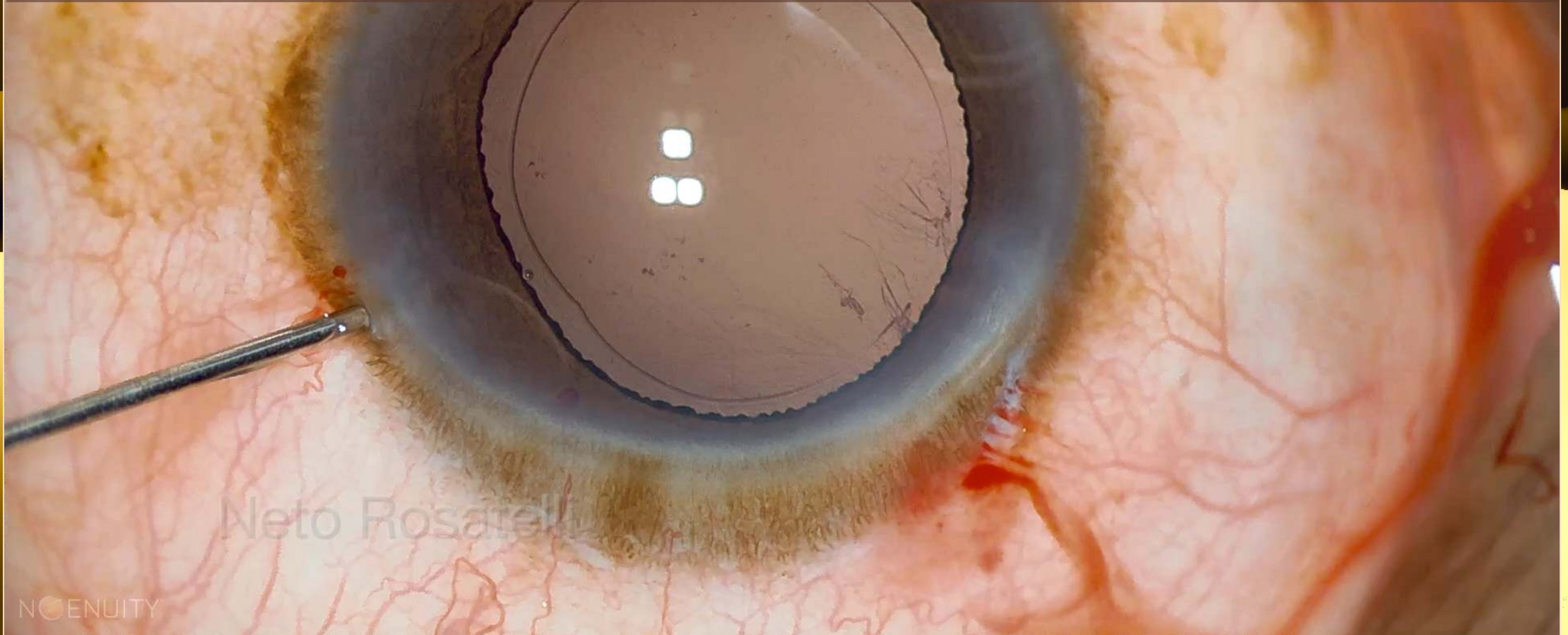
Powerwash

Vacuum

0

mmHg

0 20

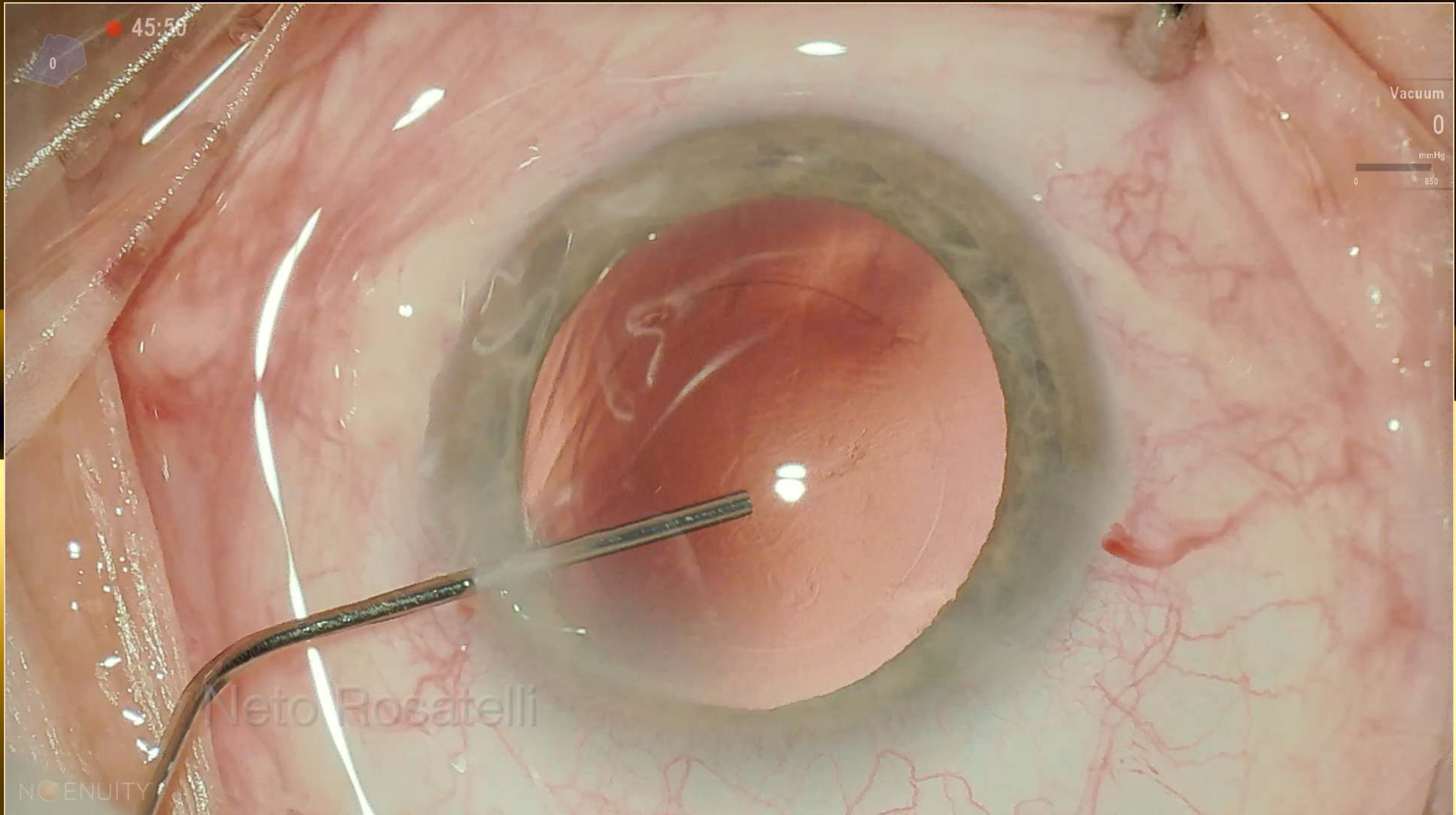


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NOENUITY



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NO ENUITY





Recording started. Approx. 154 hrs remaining.

1:46:03

Flow

0

cc/min

0 20

Vac Limit

0

mmHg

0 20

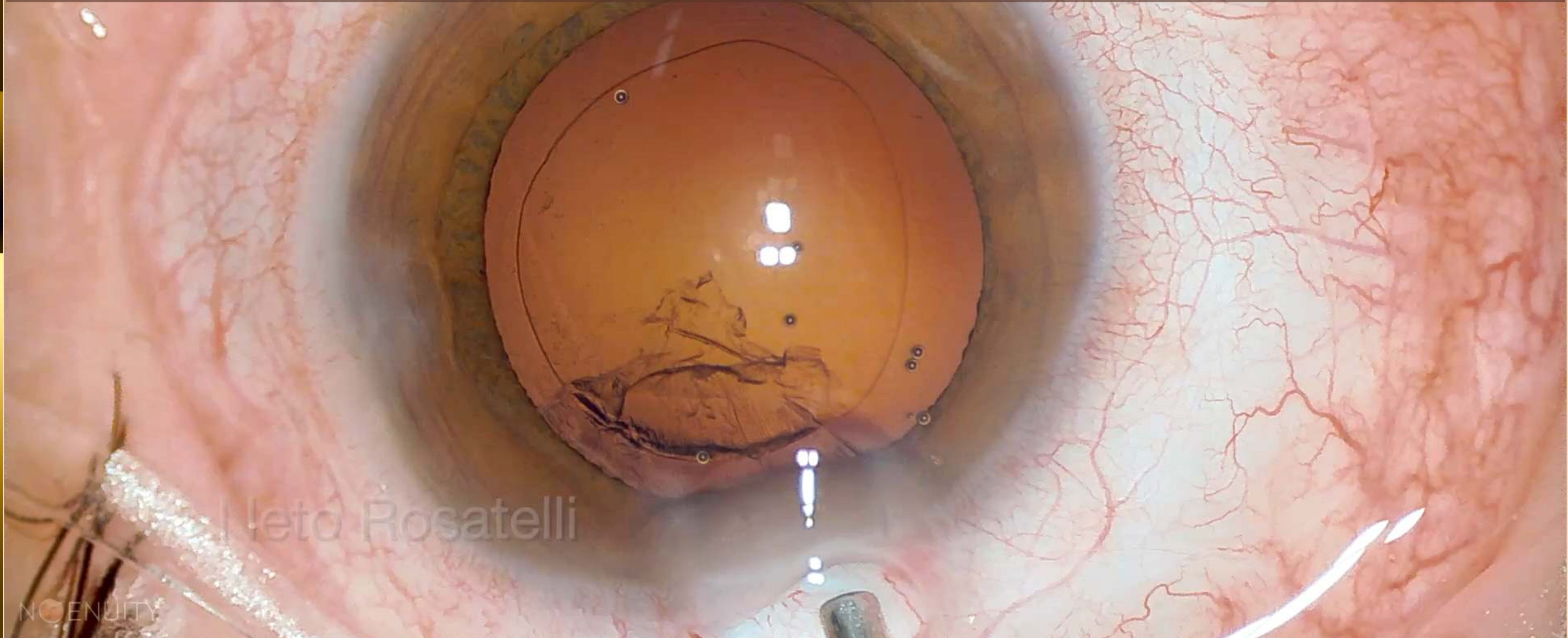




27:15

Dry Aspiration Technique

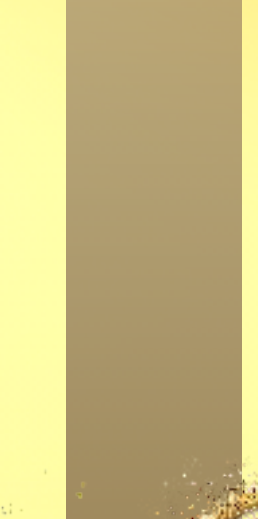
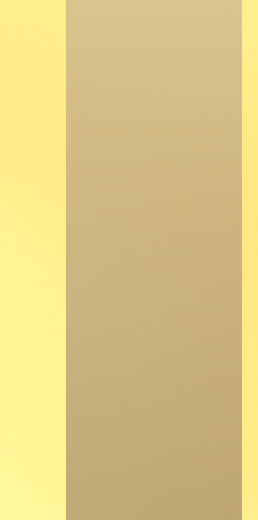
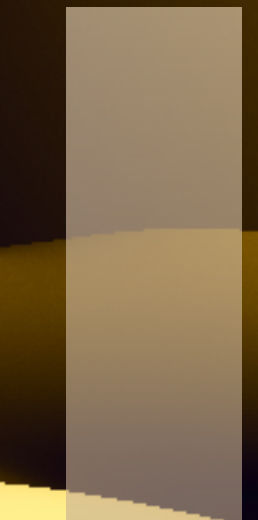
Vacuum
0
mmHg
0 650



NOBILITY

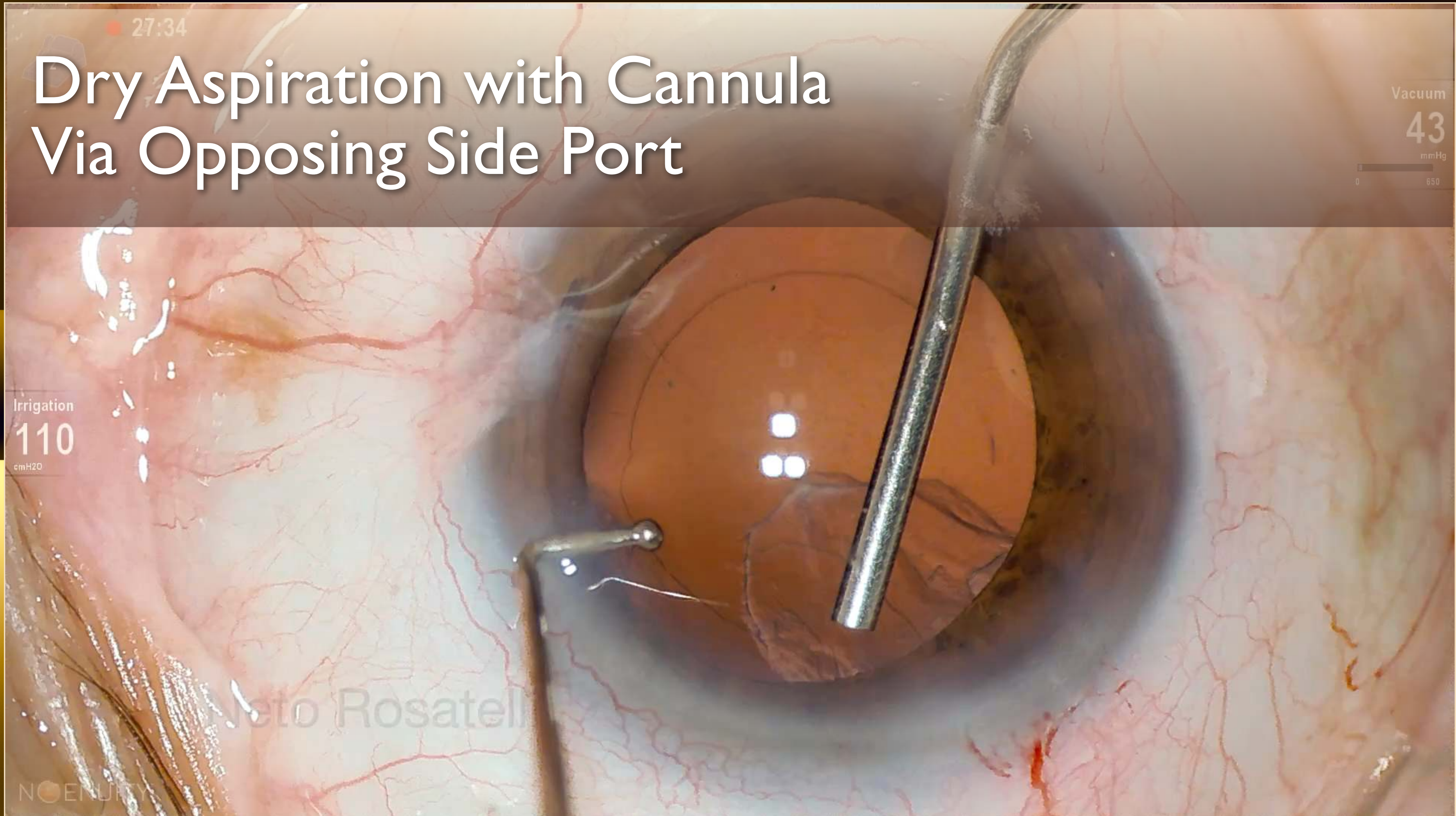








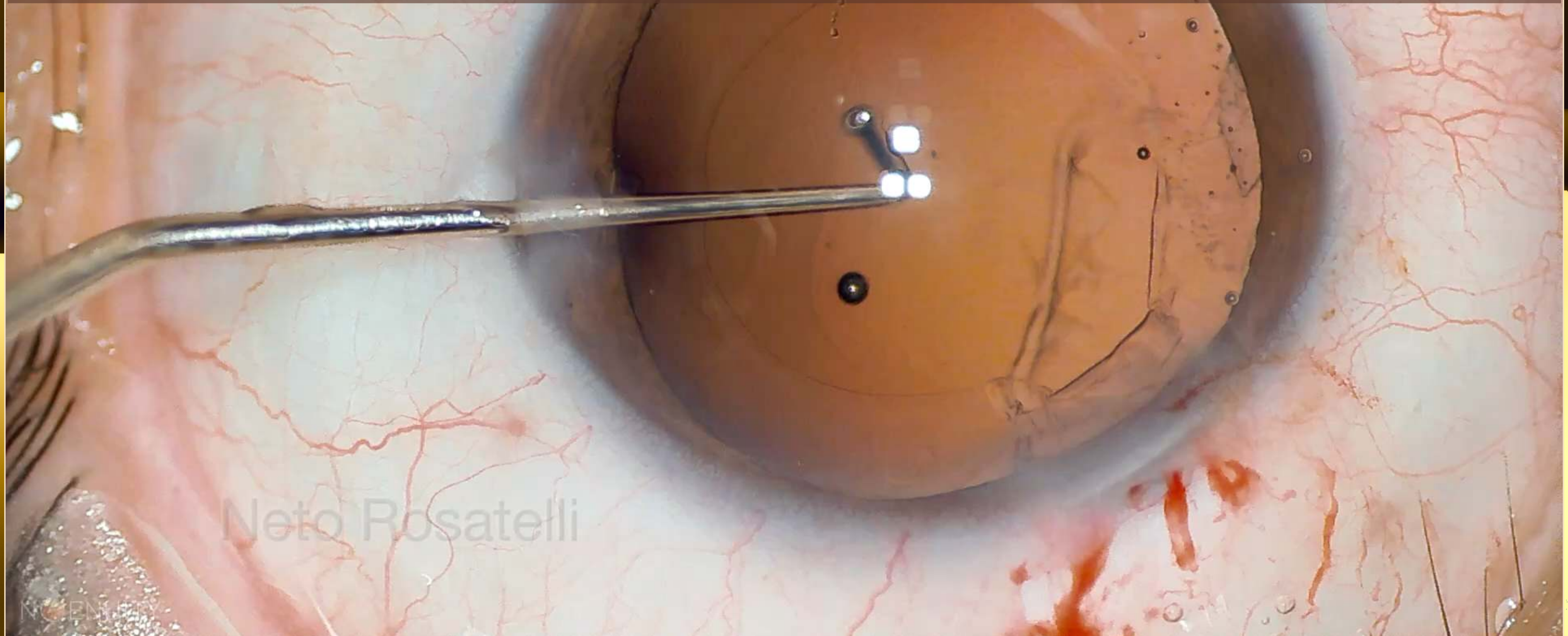
Dry Aspiration with Cannula Via Opposing Side Port





52:04

Cortex Displacement with Chopper Under OVD

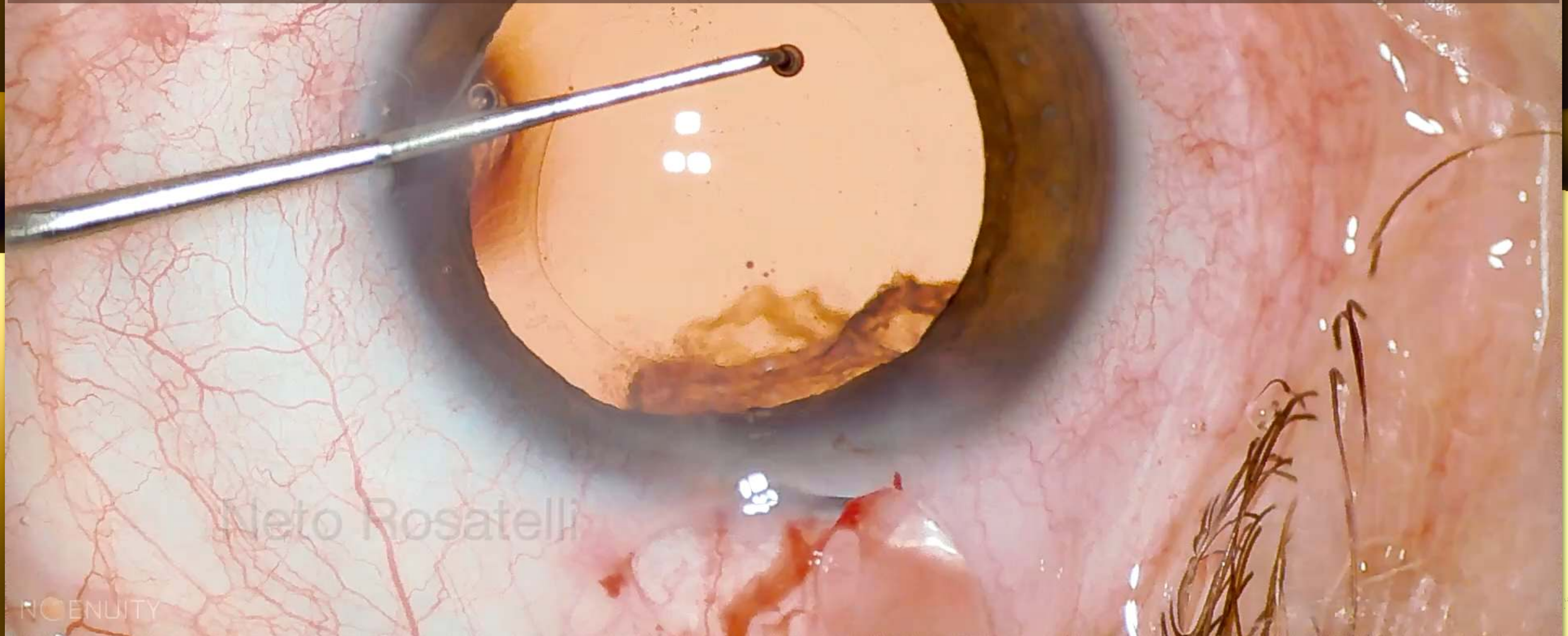


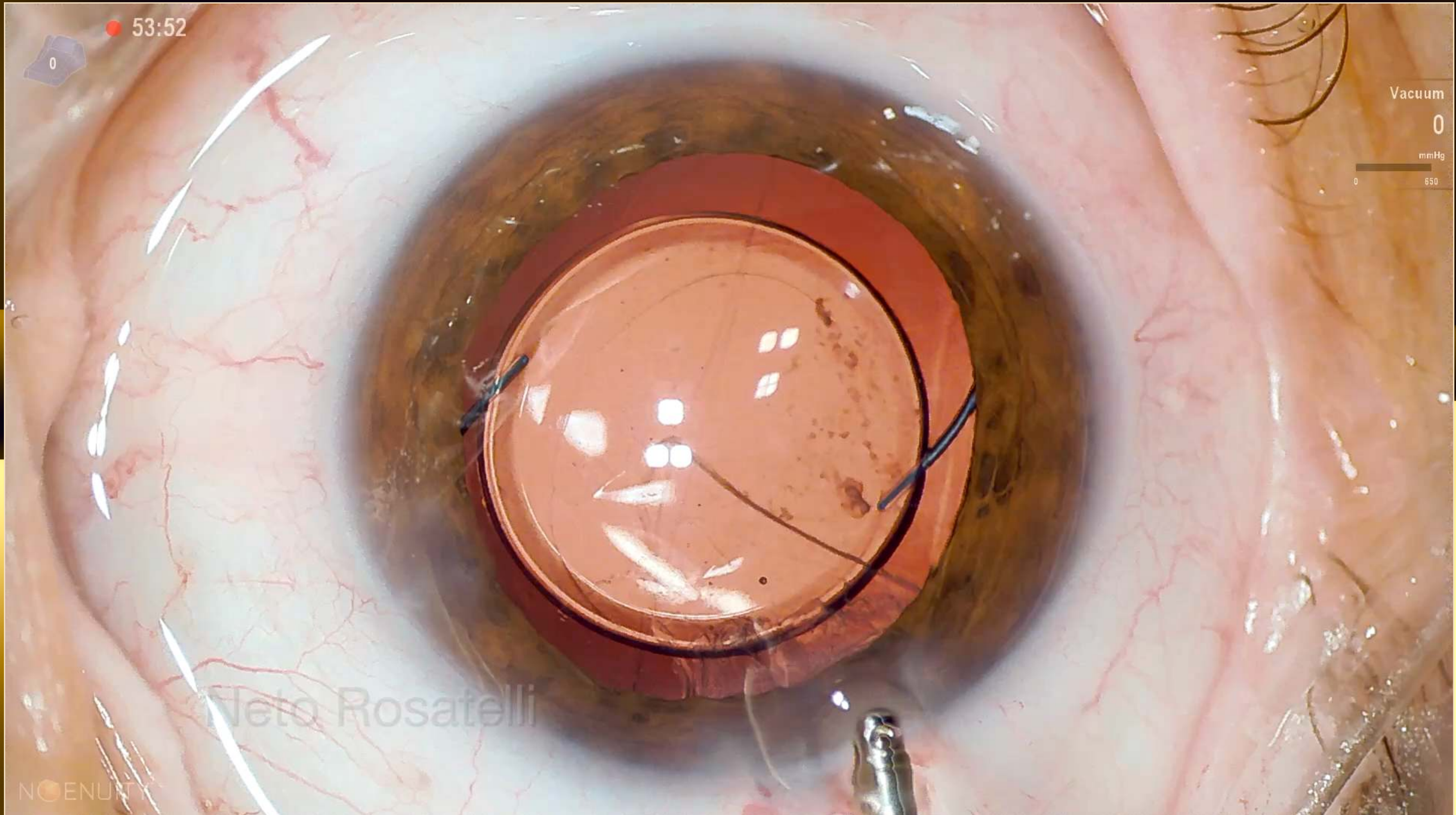


01:20:58

IOL Scaffold Cortex Aspiration Technique

Vacuum
0
mmHg
0 650







01:47:44

Recording started. Approx. 293 hrs remaining.

Viscodissection

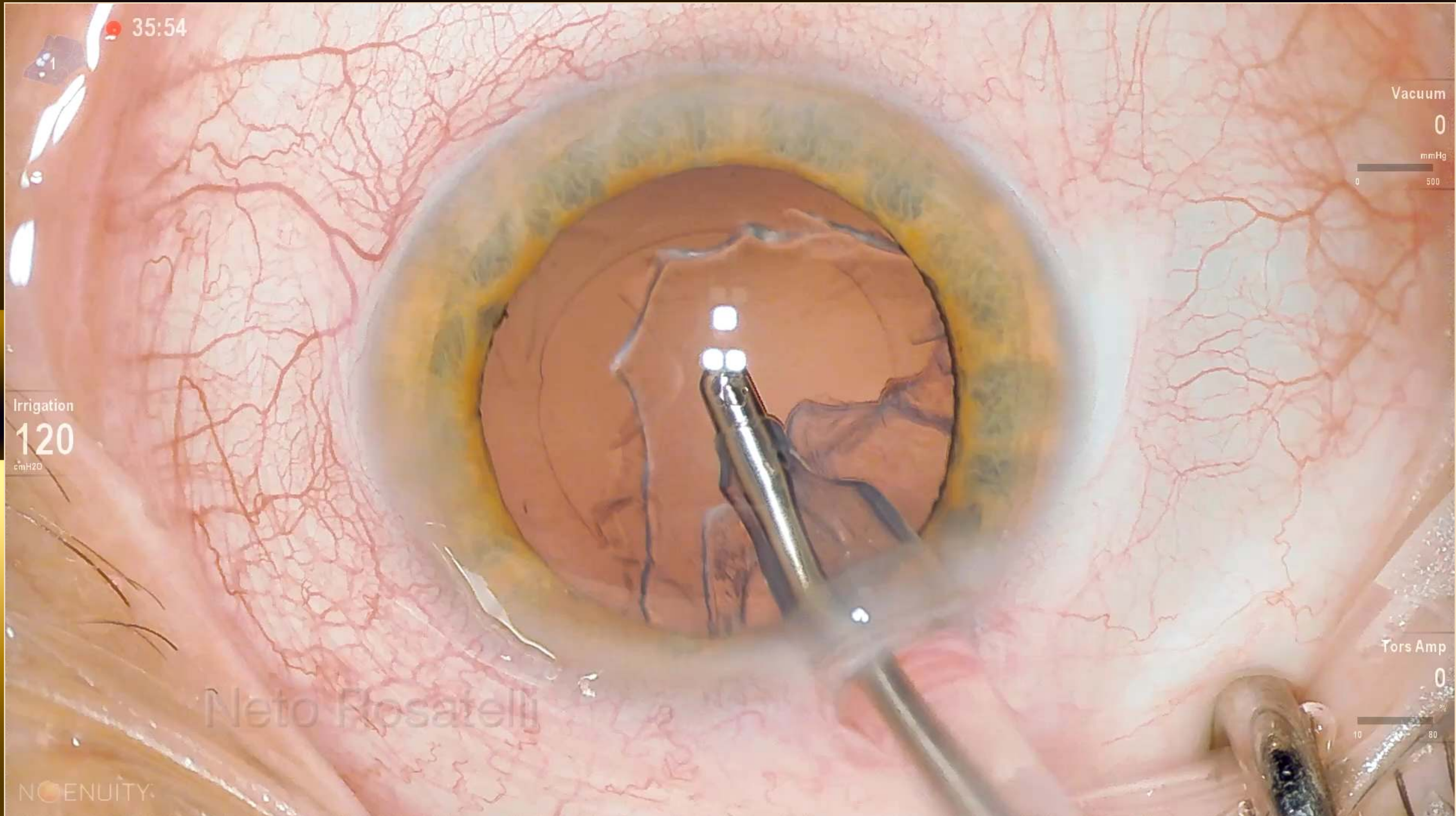
Vacuum

0

mmHg

0 650







Take Home Message

- Master **all these techniques**
- There are several subincisional cortex situations with **different characteristics** that require **different approaches**



"YES, I HAVE TRICKS IN MY POCKET, I
HAVE THINGS UP MY SLEEVE.

BUT I AM THE OPPOSITE OF A STAGE
MAGICIAN.

HE GIVES YOU ILLUSION THAT HAS THE
APPEARANCE OF TRUTH.

I GIVE YOU TRUTH IN THE PLEASANT
DISGUISE OF ILLUSION."

TENNESSEE WILLIAMS





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“THE CATARACT SURGERY CHANNEL”
<http://www.youtube.com/c/TheCataractSurgeryChannel>

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“NETO ROSATELLI”
<http://www.youtube.com/c/NetoRosatelli>

✉ rosatelli@mac.com



+55 41 99536-1663