

Phemtosecond Laser Cataract Surgery PHACO ZERO

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PHEMTOFACO

¿ Efficiency and Safety?

PHACOFRAGMENTACIÓN: < Time & energy U.S.



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Technique	US Time seg	US %	Cellular loss
FACO CONV Stop / Chop	23,96	13,73	293,37 ± 208,98 10,46 %
FEMTOFACO Sectores / Círculos	13,96	9,06	177,71 ± 176,05 6,32 %

Estudio INCIVI 2014

¿ Efficiency and Safety?

Objective: PHACO ZERO ? Terminal I/A



Vaccum: Min: 300mmHg, Max: 600mmHg (Control lineal 300-600 mmHg)

Bottle height: 140cm

Preffered Pressurised Infusion: bottle height 50cm Air pressure:70 mmHg.

Terminal I/A:
corneal Incisión ≥ 2,4 mm (15°-30°)

Terminal I/A MICS:
2.2 mm y sub 2mm (bimanual)



¿ Efficiency and Safety?

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Terminal I/A



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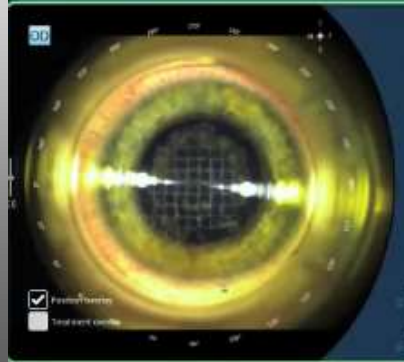
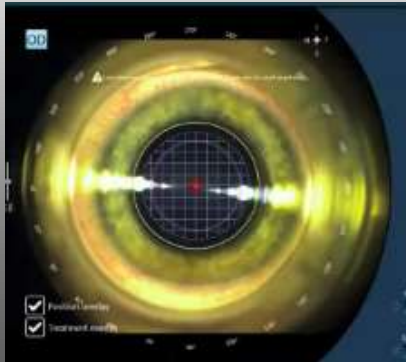
Terminal I/A



Objective: PHACO ZERO?

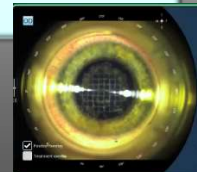
PATTERNS of PHACOFRAGMENTACIÓN

GRID



¿where are we today ?

- 1.- Surgical Advantage: Standardize surgery
- 2.- Refractive Advantages: Reduces manual complications
- 3.- Efficient and safe (*complicated cases*)
- 4.- **EFFICIENT PHACO ZERO in soft and medium cataracts**
- 5.- Does not avoid the personal influence of the surgeon
- 6.- Refractive advantages?
- 7.- COST – EFFICIENCY?



Muchas Gracias

