

Azienda Ospedaliera S. Croce e Carle - Cuneo



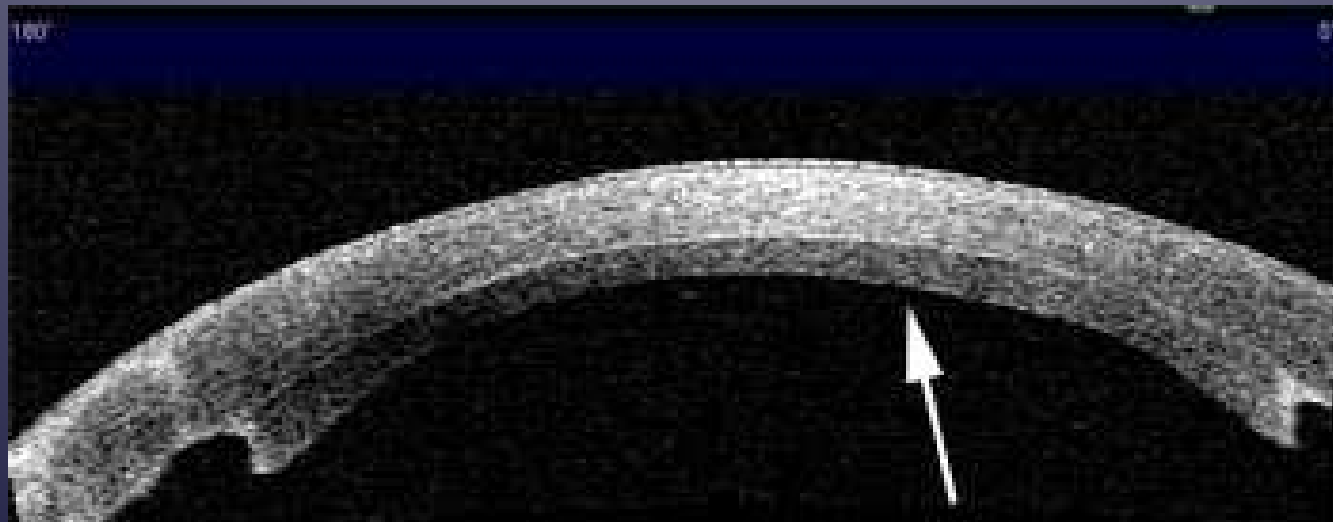
DSAEK: Nostra esperienza

M. LETO, P. INDEMINI, G. CARAMELLO

XXXVI° CONGRESSO S.O.Si. - Acireale 14-16/11/10

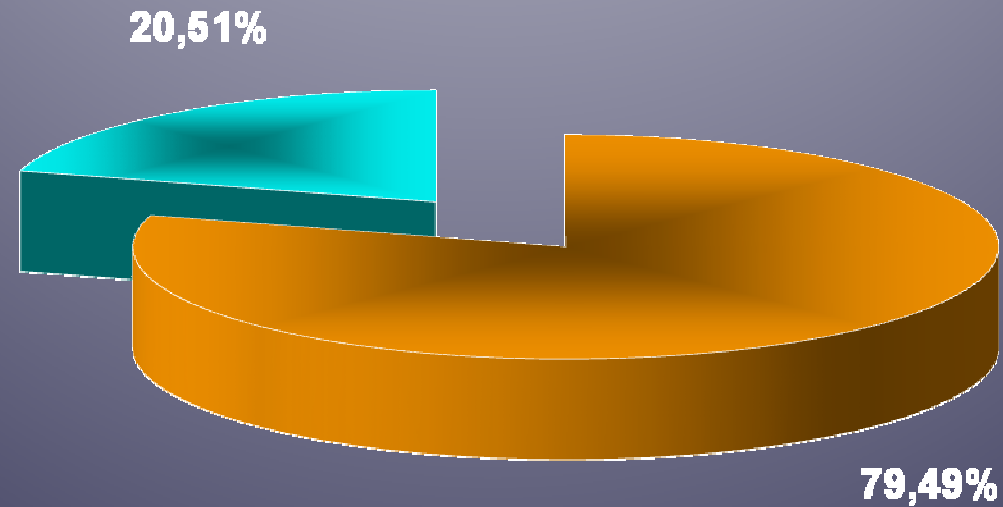
Introduzione

- Le patologie endoteliali rappresentano il 50-60% delle indicazioni dei trapianti di cornea.
- La PK è stata sino ad ora l'intervento di riferimento.
- La Cheratoplastica lamellare endoteliale (DSAEK) che permette una sostituzione selettiva dell'endotelio patologico, riduce le complicanze legate alla PK



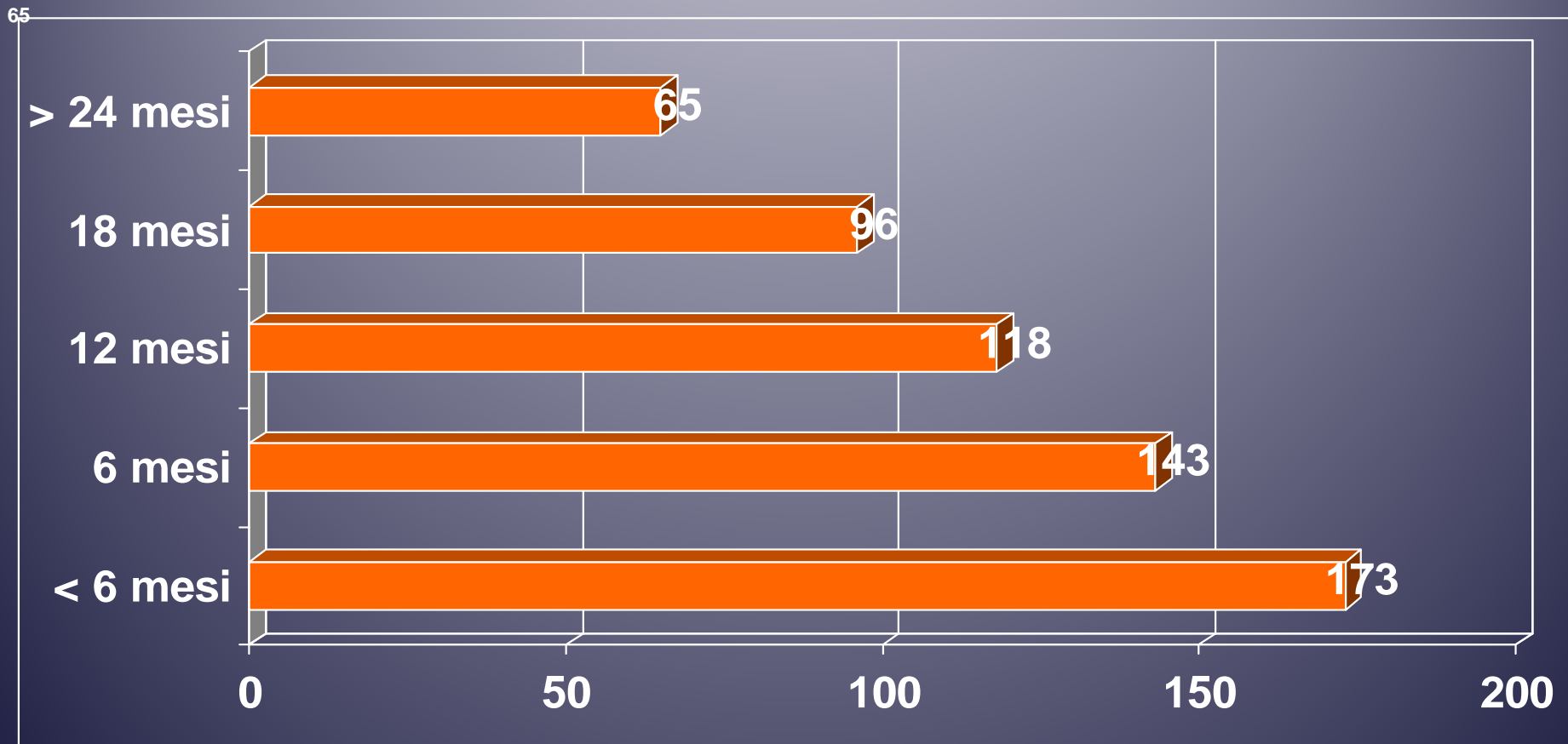
Casistica

Dal 2007 abbiamo eseguito 173 interventi



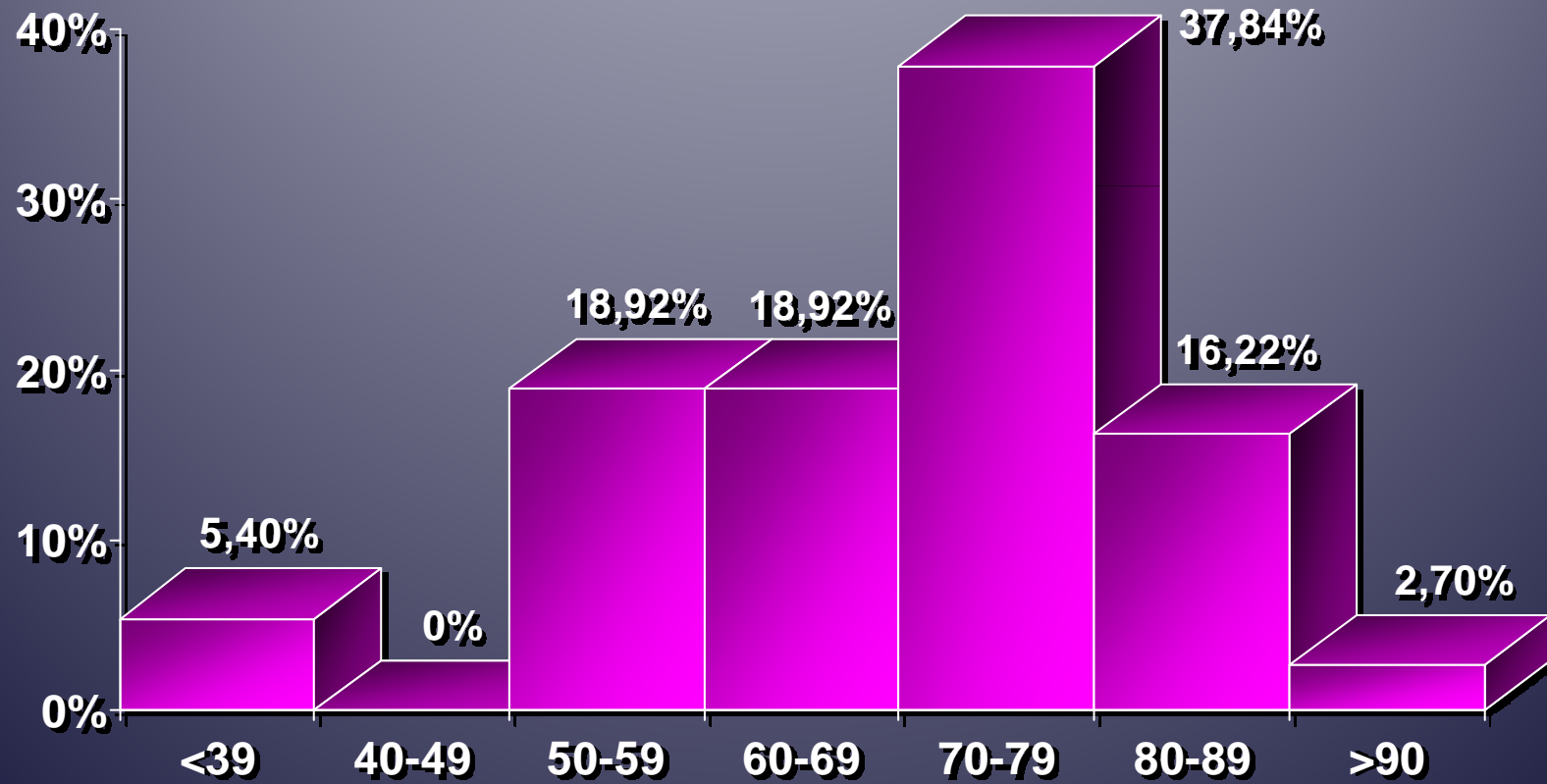
■ DSAEK ■ Tripla Procedura (DSAEK+phaco+IOL)

Follow-up



Età

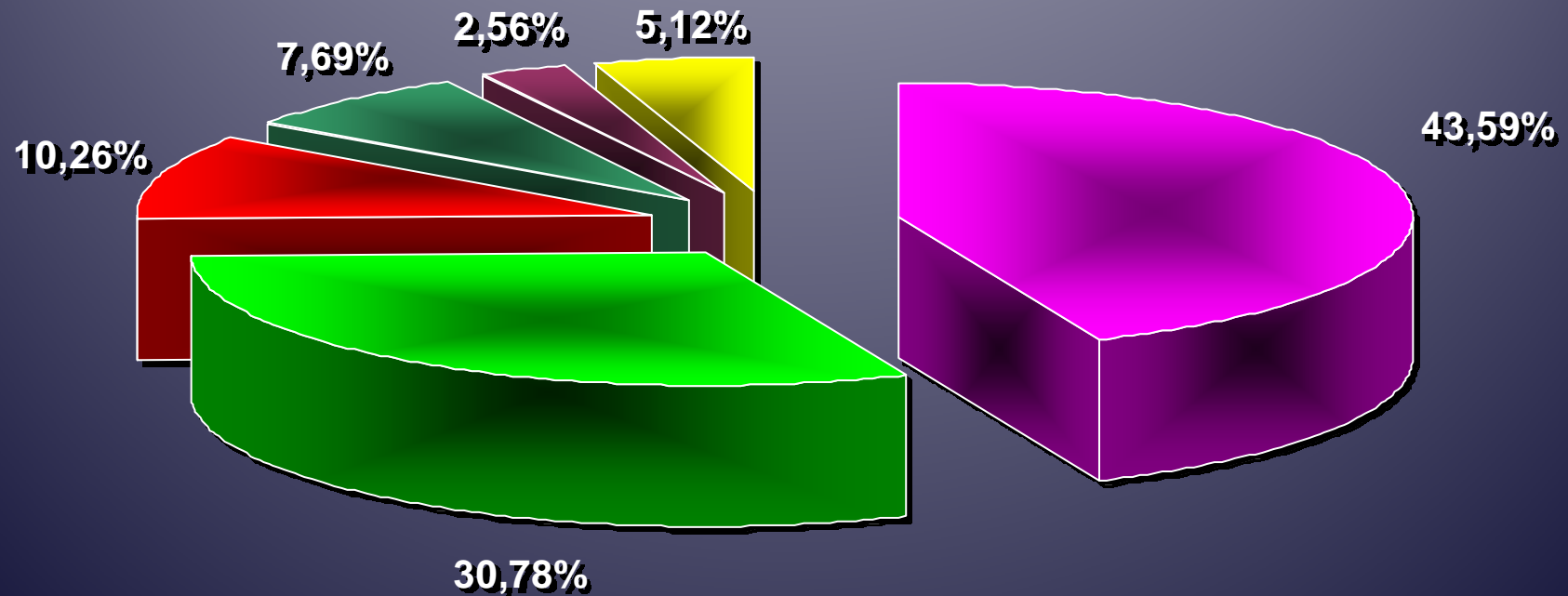
- Età media: $68,78 \pm 12,88$ anni (32 ÷ 92 anni)



Patologie

- Distrofia dello pseudofachico C.P.
- Scompenso endoteliale del lembo
- Distrofia dello pseudofachico C.A.
- Corpo estraneo stromale
- Distrofia dell'afachico

- Distrofia endoteliale primitiva di Fuchs

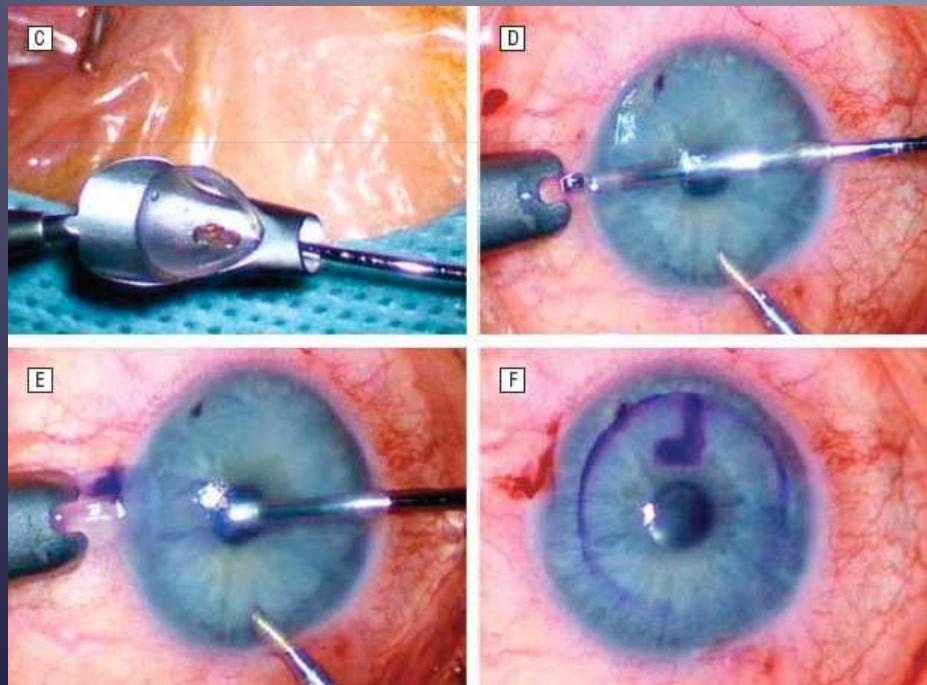


Tecnica Chirurgica

A Modified Technique for Descemet Membrane Stripping Automated Endothelial Keratoplasty to Minimize Endothelial Cell Loss

Massimo Busin, MD; Priya R. Bhatt, MRCOphth; Vincenzo Scorcia, MD

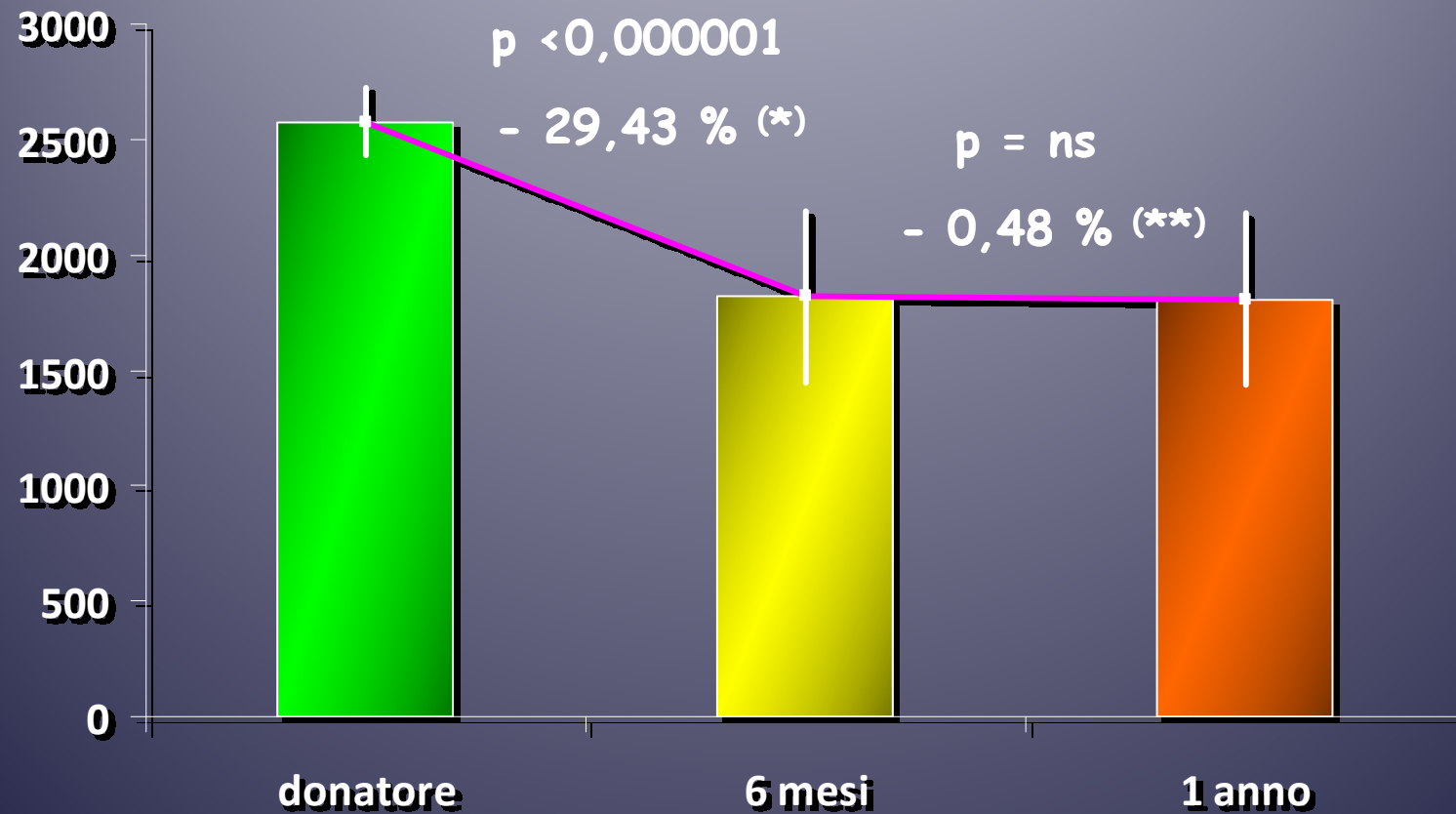
Arch Ophthalmol. 2008;126(8):1133-1137



Glide di Busin



DSAEK - Densità endoteliale (cell/mm²)



(*) - 9,92 % ÷ - 48,22 %

(**) - 10,25 % ÷ - 49,13 %

DSAEK-Densità endoteliale (cell/mm²)

Endothelial Cell Loss after Descemet's Stripping Endothelial Keratoplasty in a Large Prospective Series

Mark A. Terry, MD,^{1,2} Edwin S. Chen, MD,¹ Neda Shamie, MD,¹ Karen L. Hoar, MD, FRCSC,¹ Daniel J. Friend, MS²

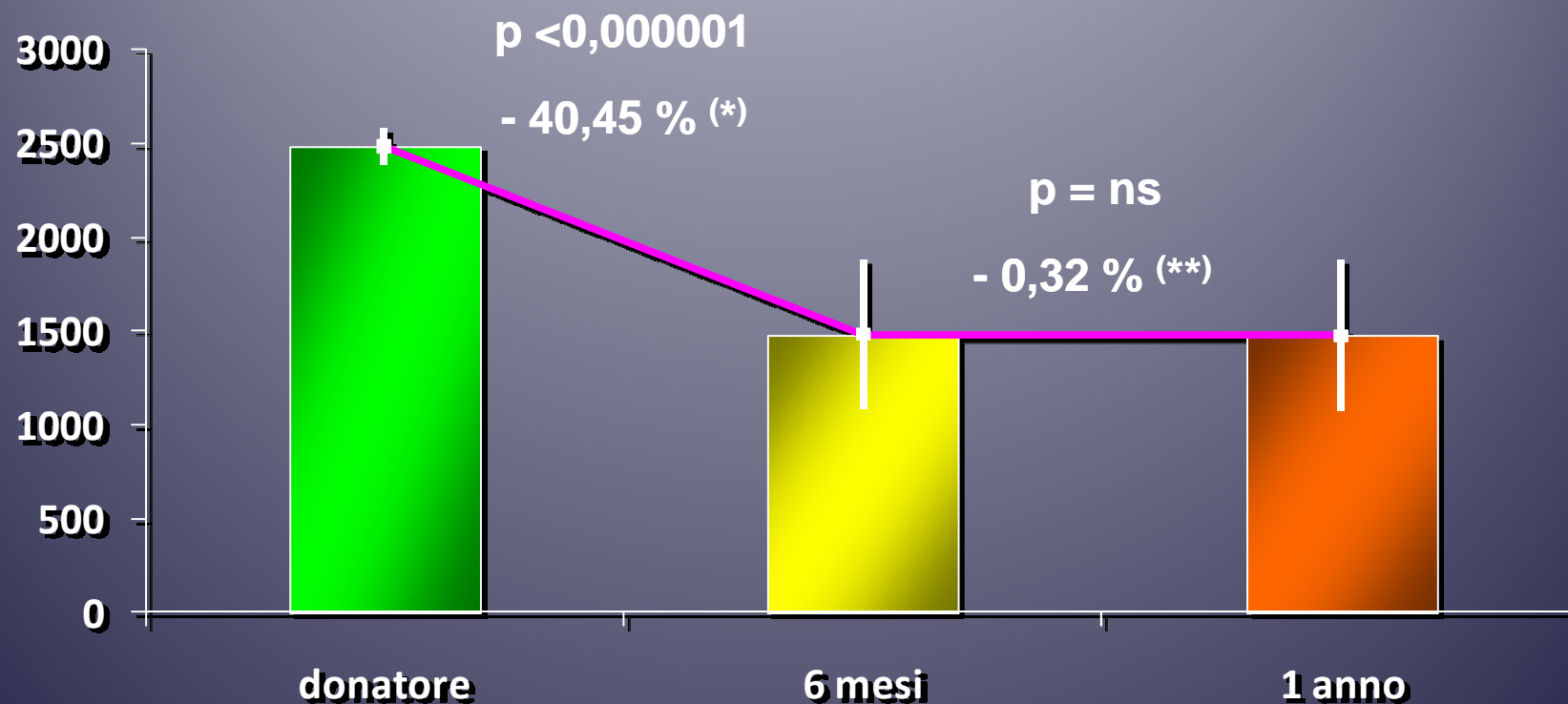
Ophthalmology 2008;115:488-496

Table 2. Comparison Data of Descemet's Stripping Endothelial Keratoplasty/Descemet's Stripping Automated Endothelial Keratoplasty (DSEK/DSAEK) versus Deep Lamellar Endothelial Keratoplasty (DLEK): Endothelial Cell Density (Cells per Square Millimeter) Preoperatively and at 6 and 12 Months Performed by the Same Surgeon (Results by Surgery Type)

	n	Mean	Range	Mean Cell Loss	Cell Loss Range	P Value
DSEK*						
Preoperatively	19	2784	2267-3414			
6 mos	19	1828	1157-2371	34%	15%-59%	
12 mos	19	1694	1030-2305	39%	21%-61%	
DSAEK*						
Preoperatively	61	2931	2341-4209			
6 mos	61	19364	978-2634	34%	8%-69%	
12 mos	61	1906	774-2732	34%	9%-76%	

DSAEK+FACO+IOL

Densità endoteliale (cell/mm²)



(*) - 19,12 % ÷ - 57,35 %

(**) - 20,33 % ÷ - 60,28 %

DSAEK+FACO+IOL

Densità endoteliale (cell/mm²)

Endothelial Keratoplasty for Fuchs' Dystrophy with Cataract

Complications and Clinical Results with the New Triple Procedure

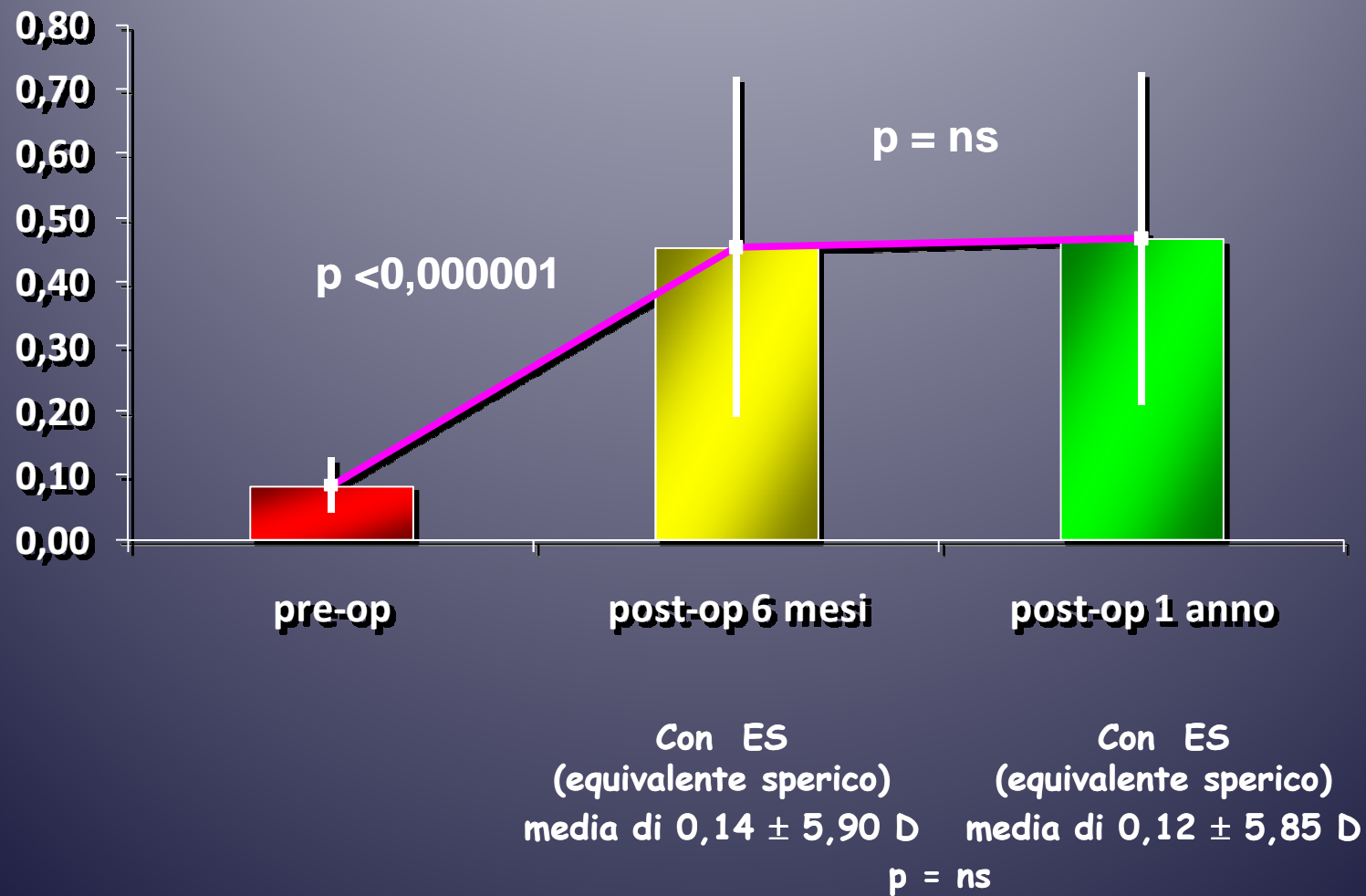
Mark A. Terry, MD,^{1,2} Neda Shamie, MD,¹ Edwin S. Chen, MD,¹ Paul M. Phillips, MD,¹
Anand K. Shah, MD,¹ Karen L. Hoar, MD, FRCSC,¹ Daniel J. Friend, MS²

Ophthalmology 2009;116:631-639

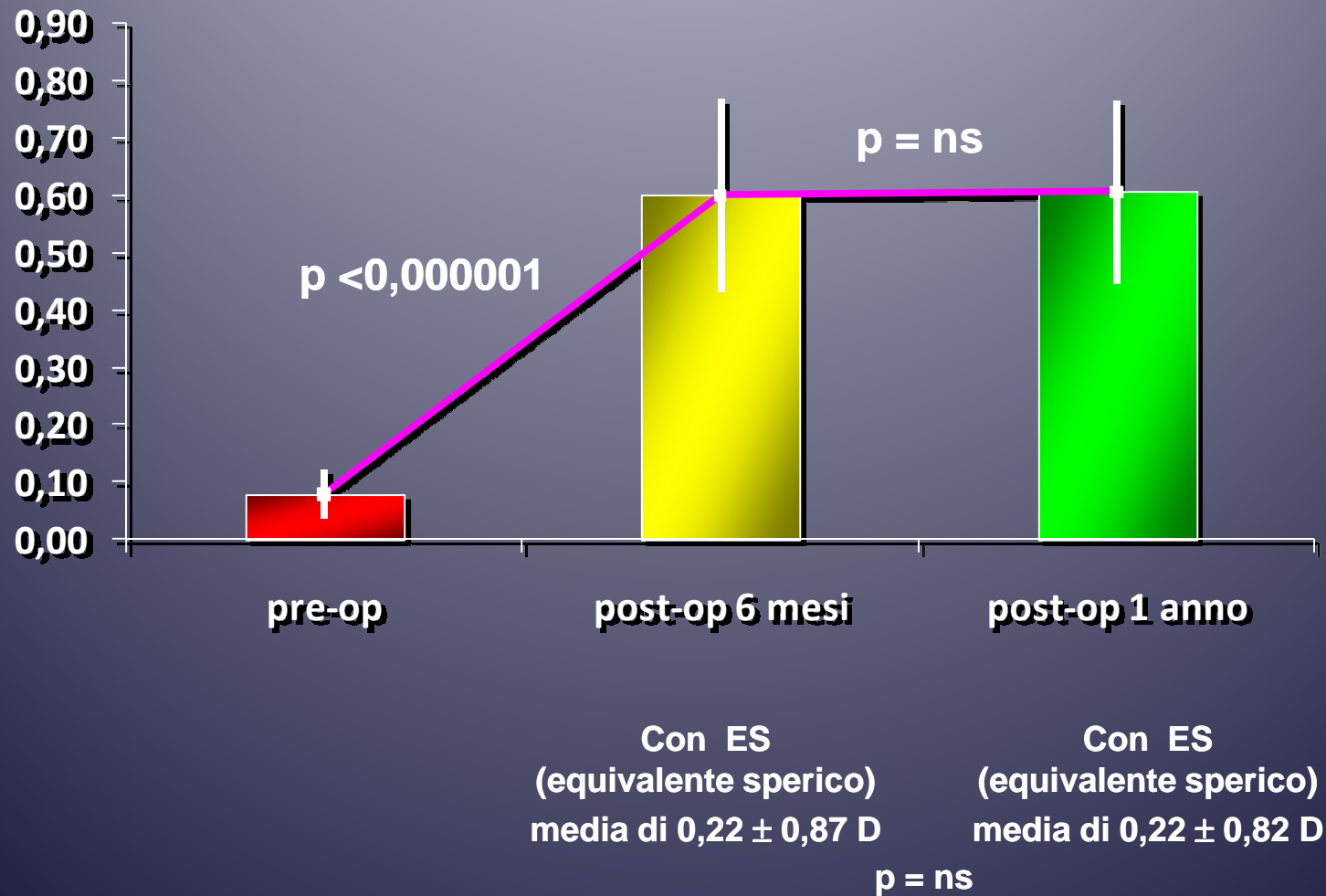
- Entire group (n = 173)
- DSAEK only (n = 48)
- DSAEK with concurrent phacoemulsification (n = 125)

12-Month Endothelial Cell Density (cells/mm ²)	Percent of Cell Loss at 6 Months from before Surgery	Percent of Cell Loss at 12 Months from before Surgery
1969±378 (range, 774-2732) ●	31±14% (range, -12% to 70%) ●	32±15% (range, 0%-76%) ●
1939±356 (range, 774-2553) ●	28±15% (range, -12% to 68%) ●	33±15% (range, 9%-76%) ●
1979±387 (range, 1020-2732) ●	32±14% (range, 0%-70%) ●	32±15% (range, 0%-76%) ●

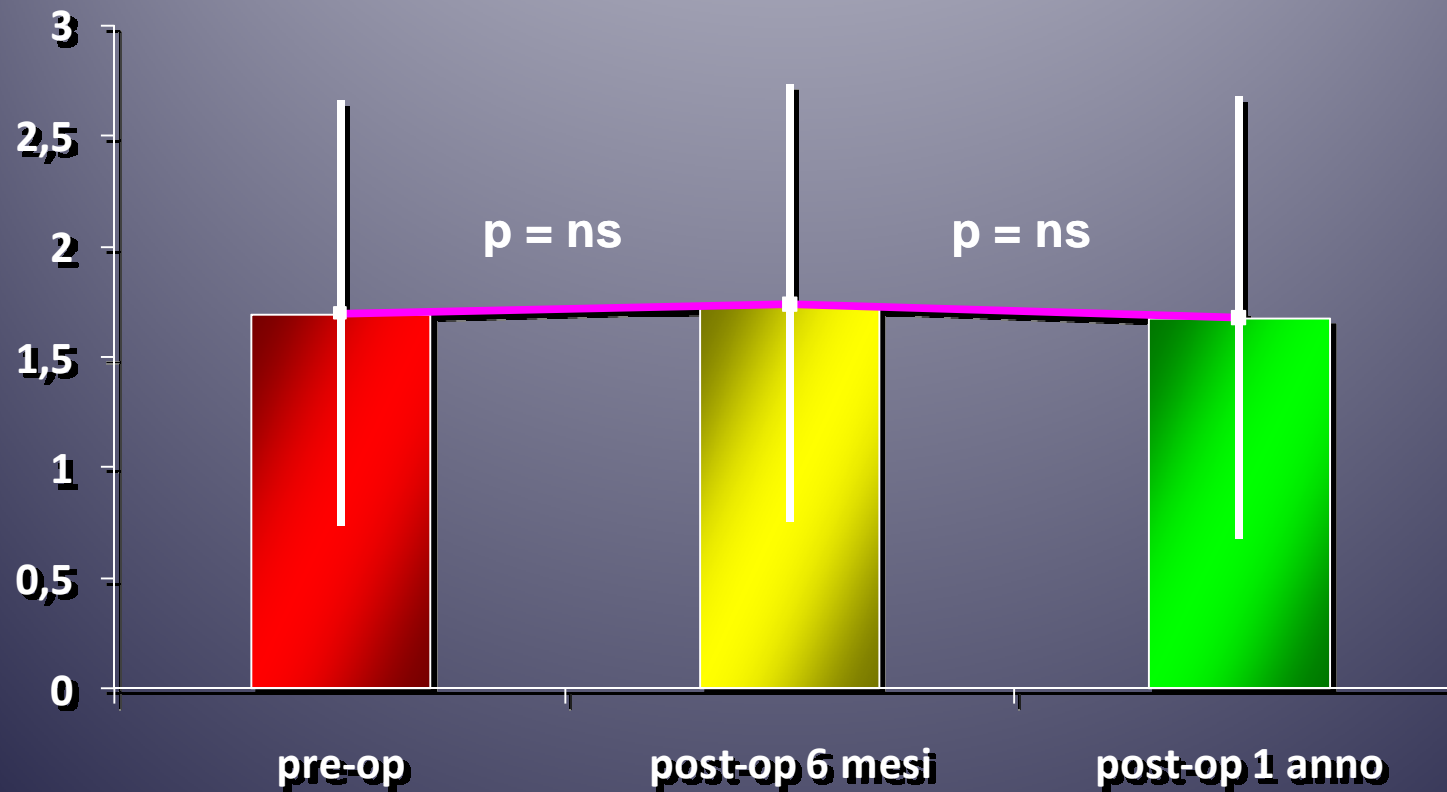
DSAEK- BCVA



DSAEK+FACO+IOL - BCVA



Tutti gli interventi - BCVA

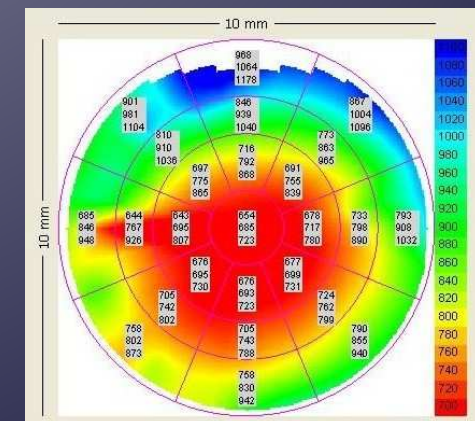
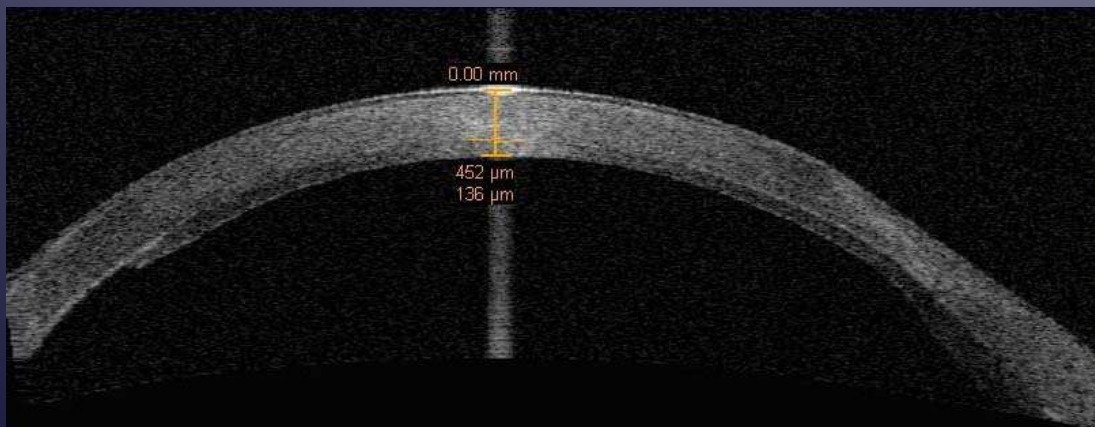


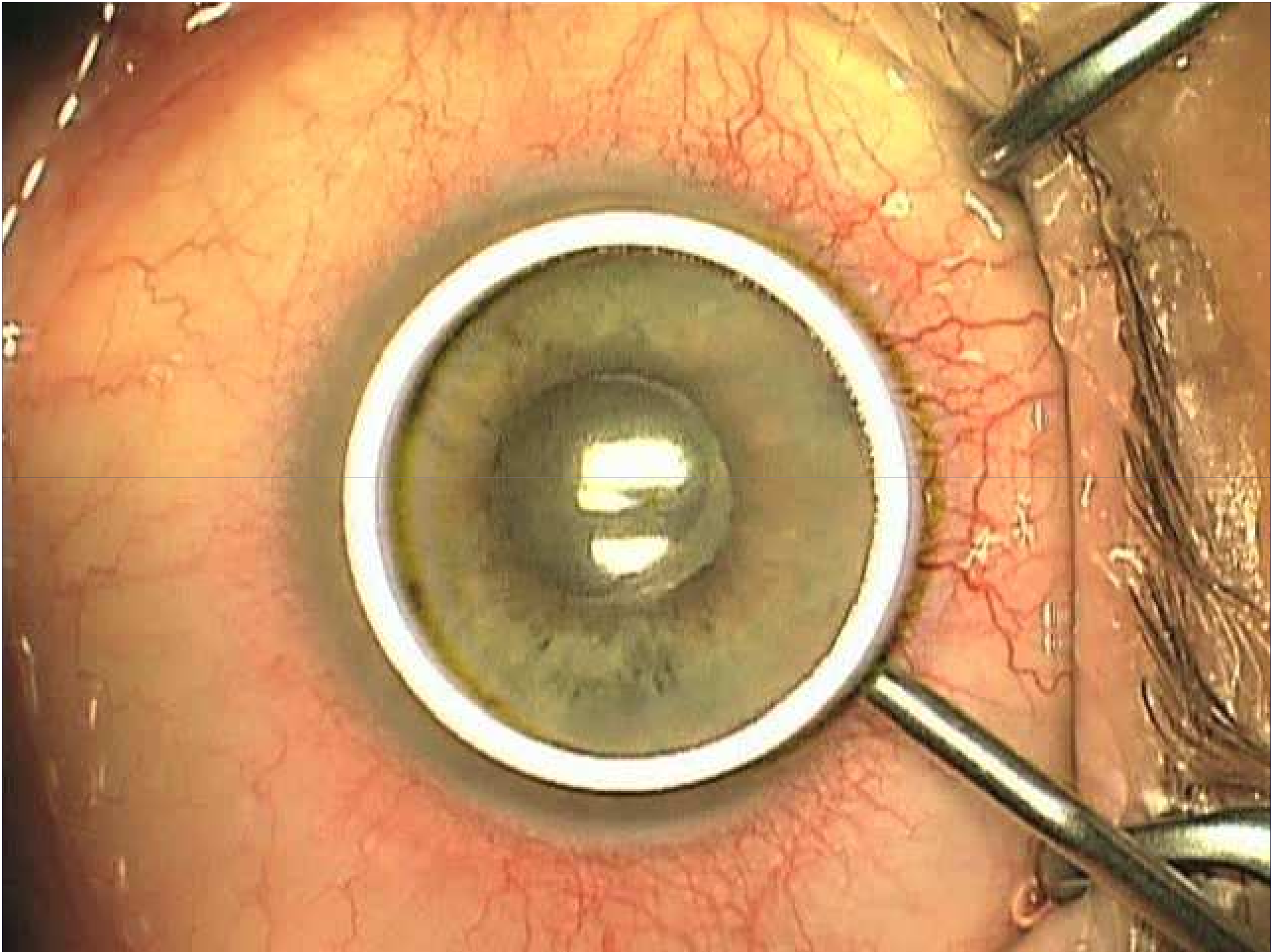
Spessori corneali

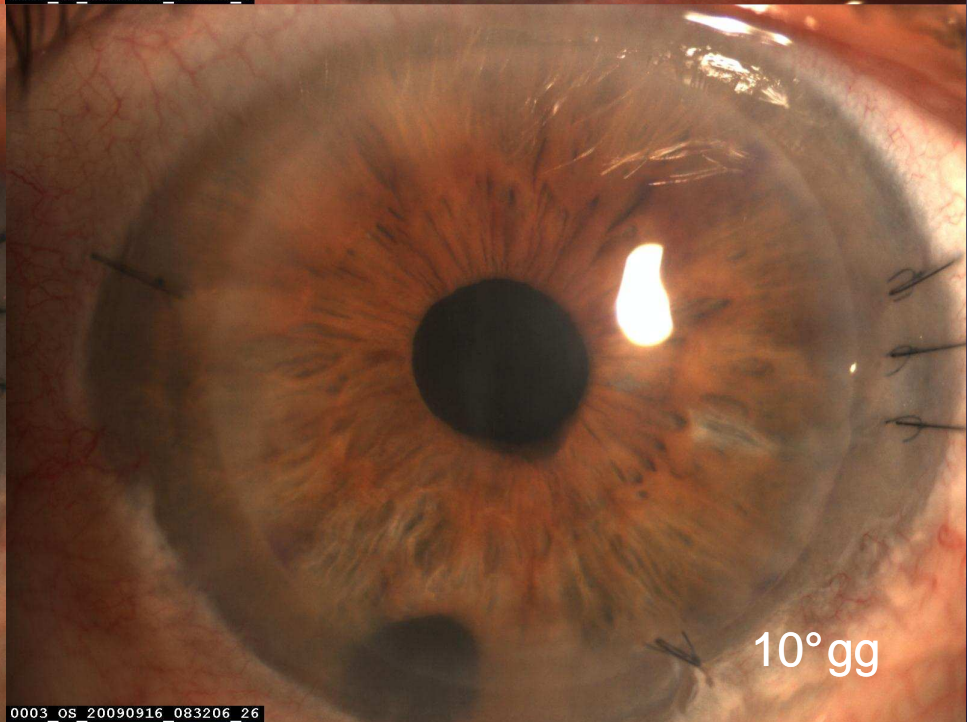
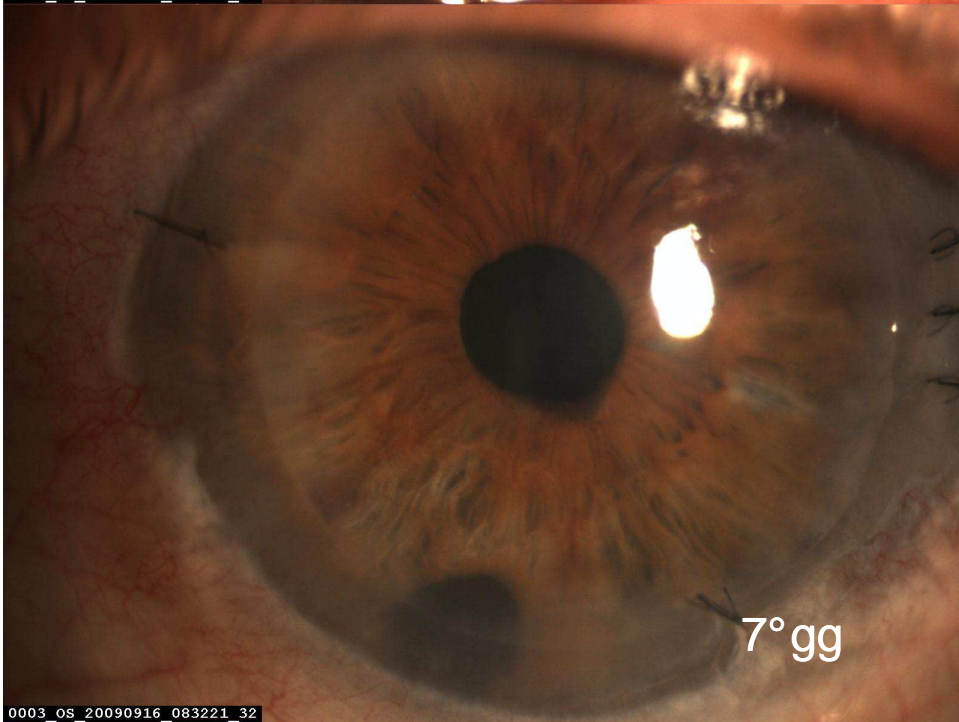
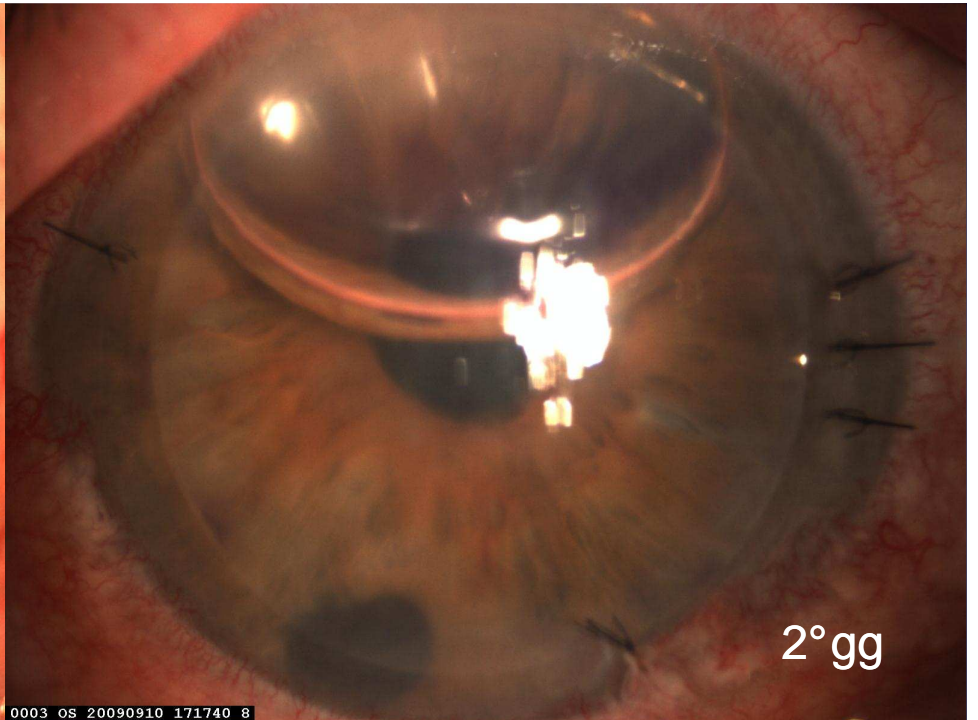
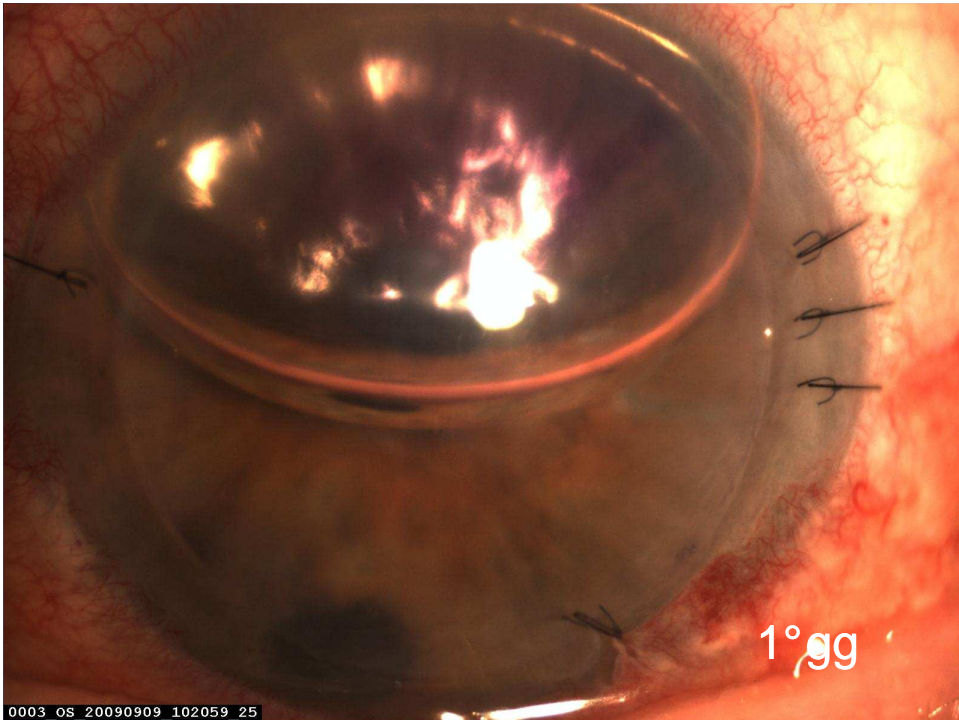
Spessore medio delle cornee da banca: $621.6 \pm 40.9 \mu\text{m}$

Spessore medio dopo disepitelizzazione: $577.1 \pm 43.9 \mu\text{m}$

Spessore medio dei lembi innestati (OCT Visante): $169.1 \pm 45.3 \mu\text{m}$

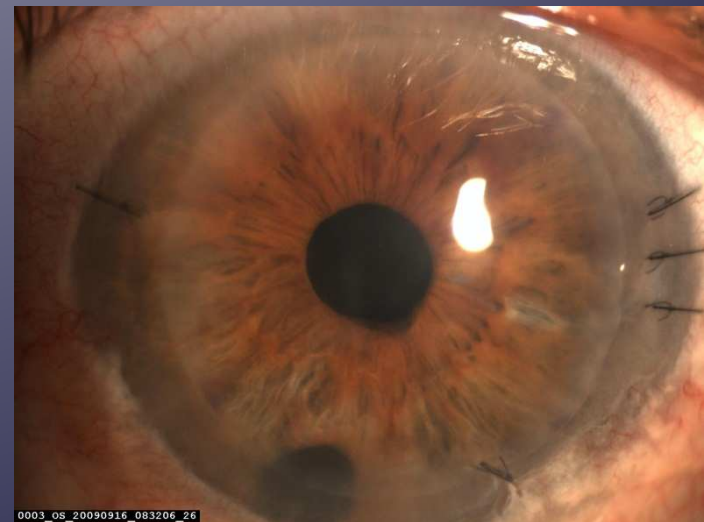






Conclusioni

- Tecnica di I scelta negli scompensi endoteliali
- Da preferire nello scompenso endoteliale dopo PK
- Recupero rapido
- Assenza di astigmatismo indotto
- Ripetibilità della metodica



Grazie

