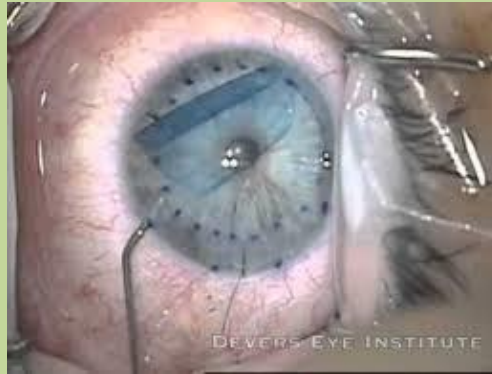


DMEK un-scrolling times: Are they affected by anterior chamber size?



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Presumed reasons for difficult un-scrolling

- Deep anterior chamber
- Fibrin or blood in the anterior chamber
- Prior vitrectomy making chamber shallowing difficult
- Mechanical factors: tubes, AC IOLs, etc

What about preoperative deep chambers?

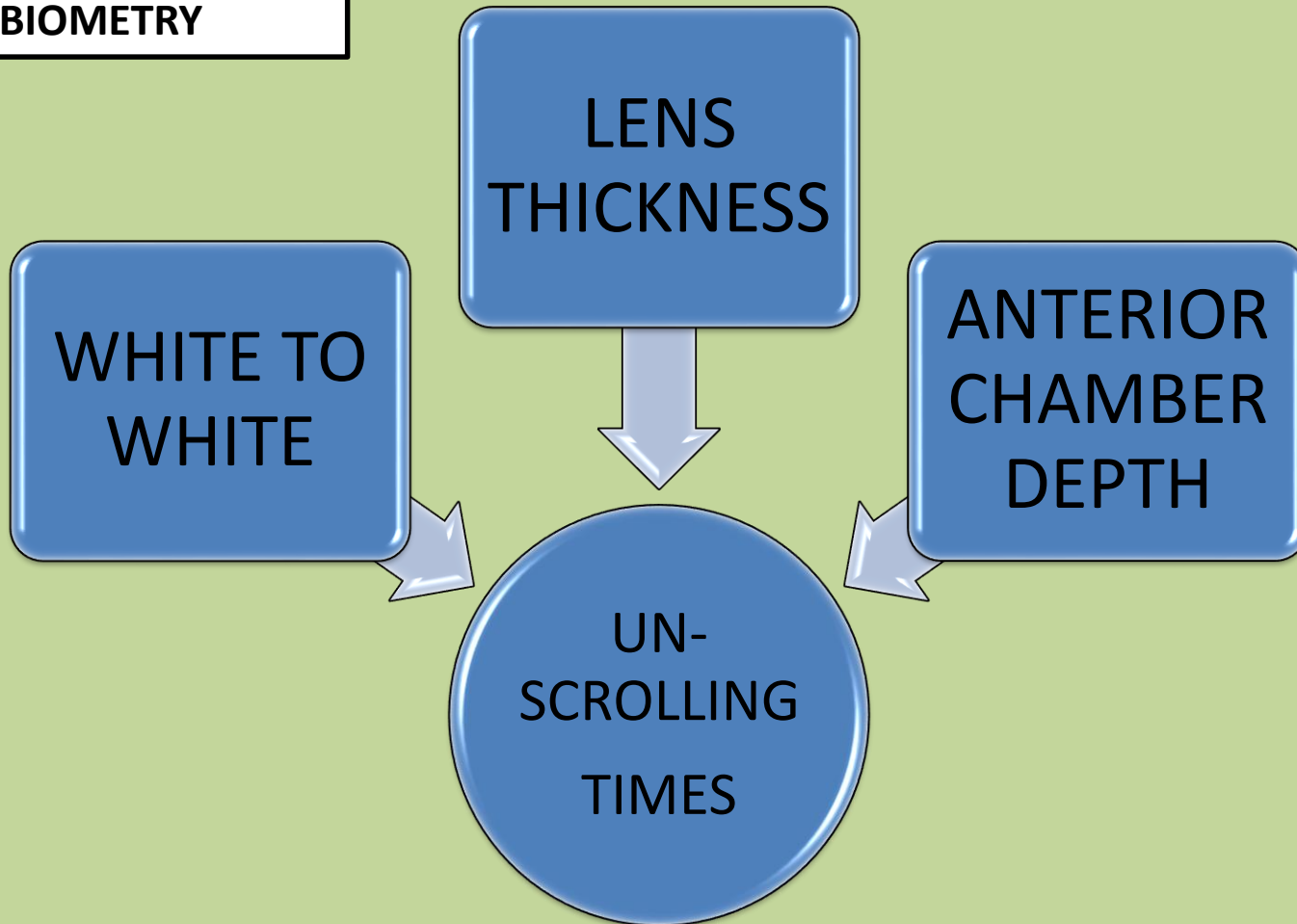
- When performing DMEK surgery it is “common knowledge” that an eye with a deep chamber will make the un-scrolling time more difficult and extend the time until the graft is unfolded and attached to the recipient bed .
- But is this true?



- **66 EYES WITH FED THAT UNDERWENT TRIPLE PROCEDURE**
- **03/03/2014 till 09/15/2015**

METHODS

LENSTAR BIOMETRY



RESULTS

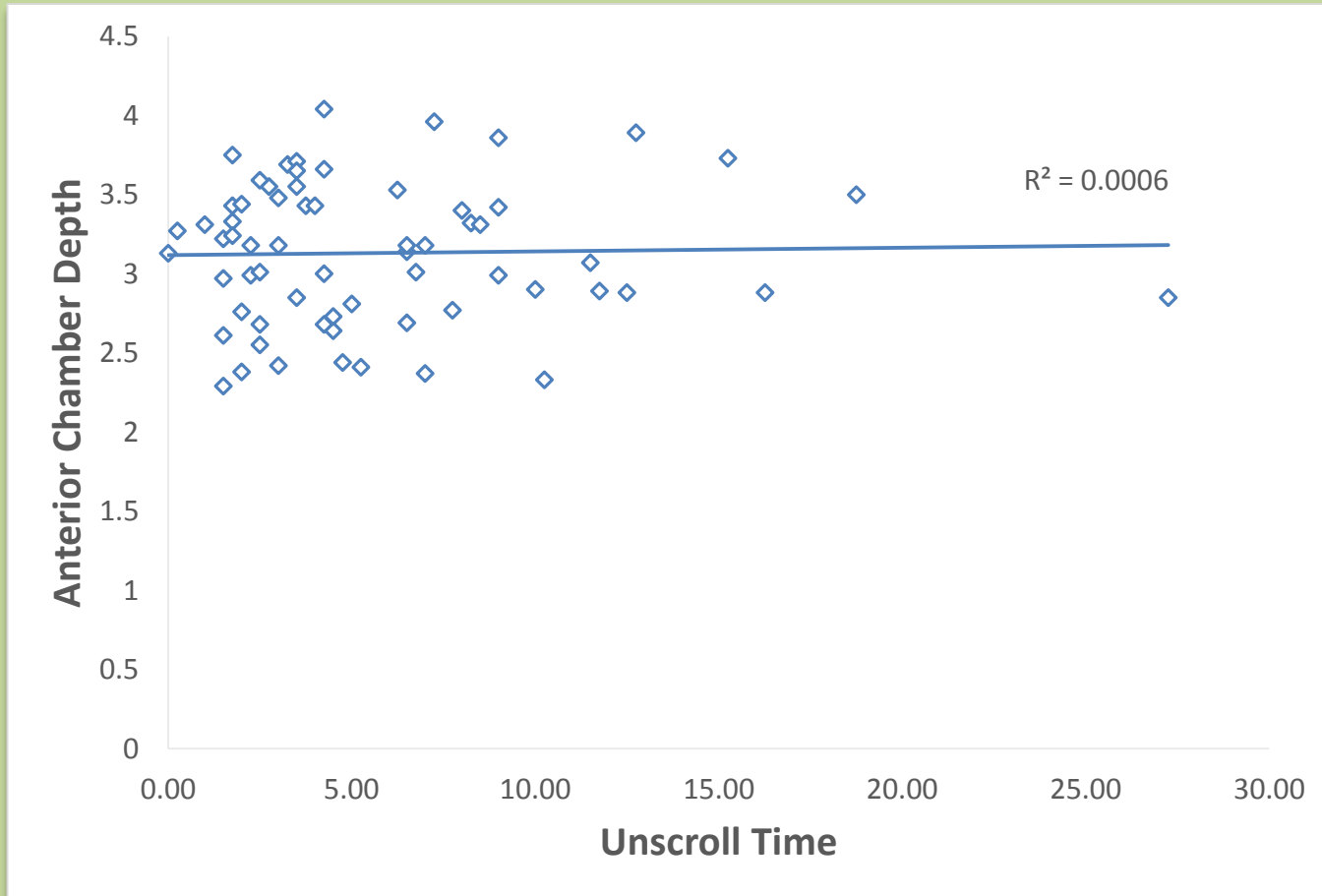
DEMOGRAPHICS		
	Average	Range
Age	66.3 ± 7.8 yrs	50 – 83 yrs
Eye	32 OD; 34 OS	*
Gender	44 F; 22 M	*

RESULTS

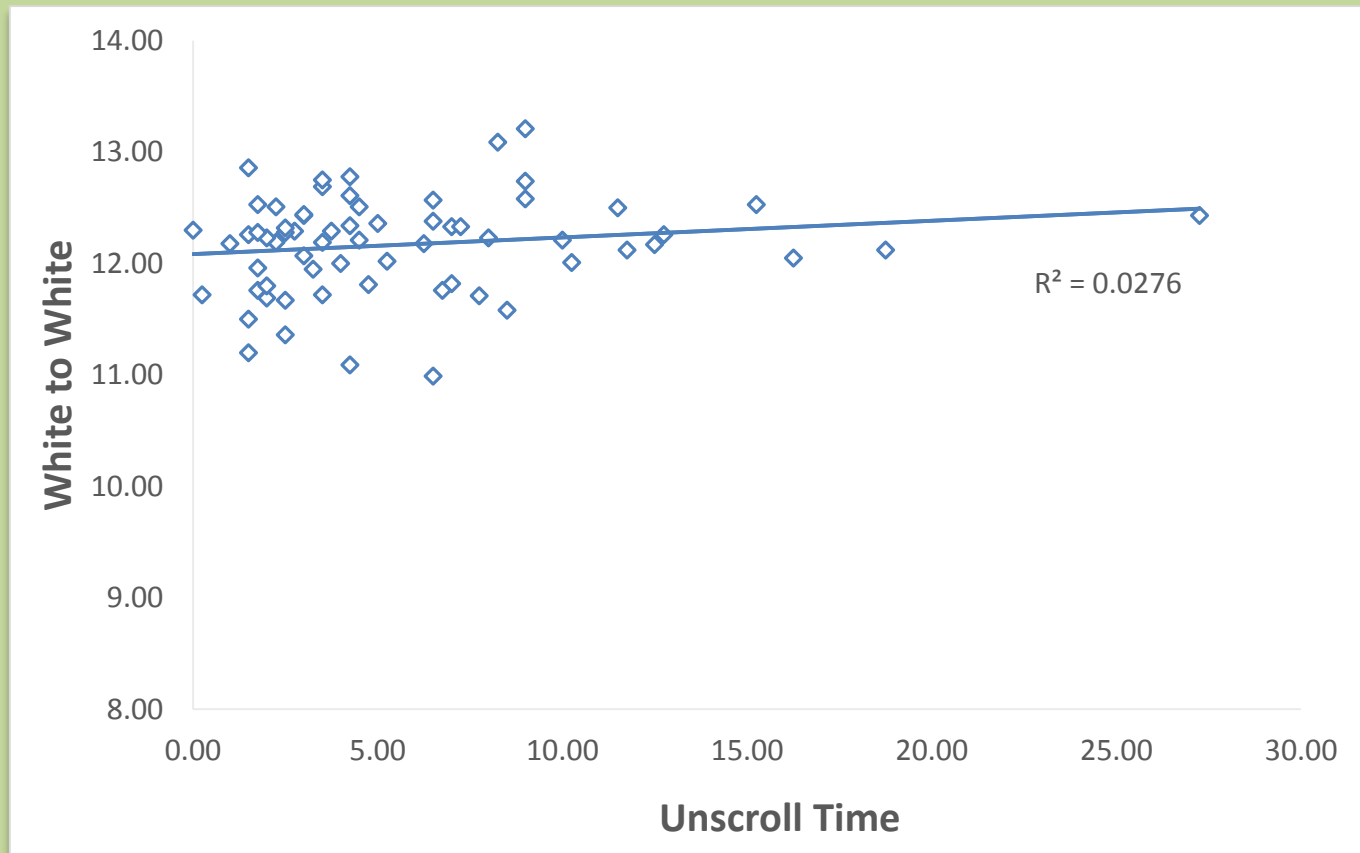
PREOPERATIVE MEASURES		
	Average	Range
Anterior Chamber Depth	3.1 ± 0.4 mm	2.29 – 4.04 mm
White to White	12.1 ± 0.5 mm	10.1 – 13.2 mm
Lens Thickness	4.5 ± 0.4 mm	3.7 – 5.4 mm
Pachymetry	550.1 ± 36 μ m	460 – 625 μ m

	Average	Range
Un-scrolling Time	5.72 ± 4.9 min	<1min – 27.25 min
Scroll tightness	2.24 ± 0.9	1 – 4

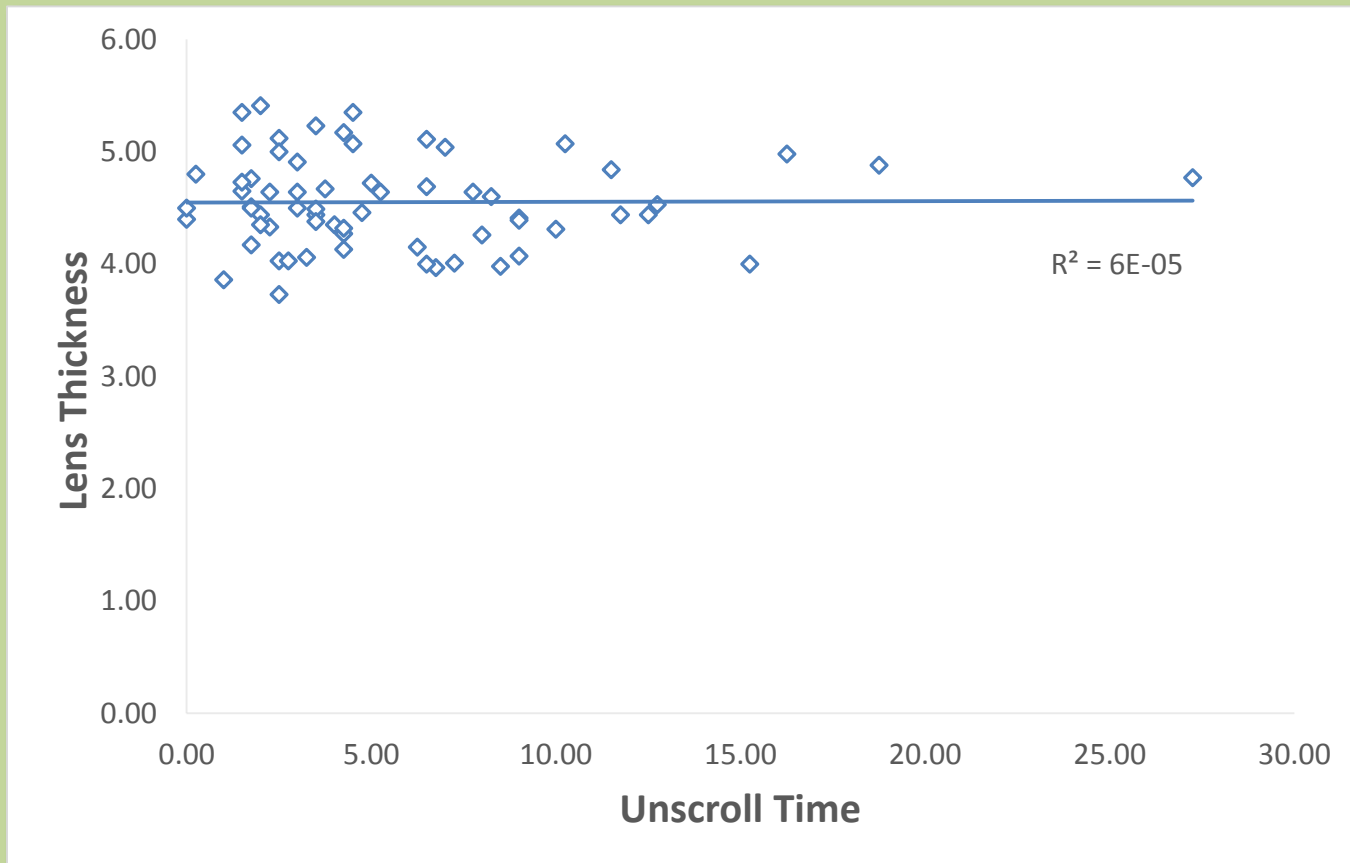
Myth Buster



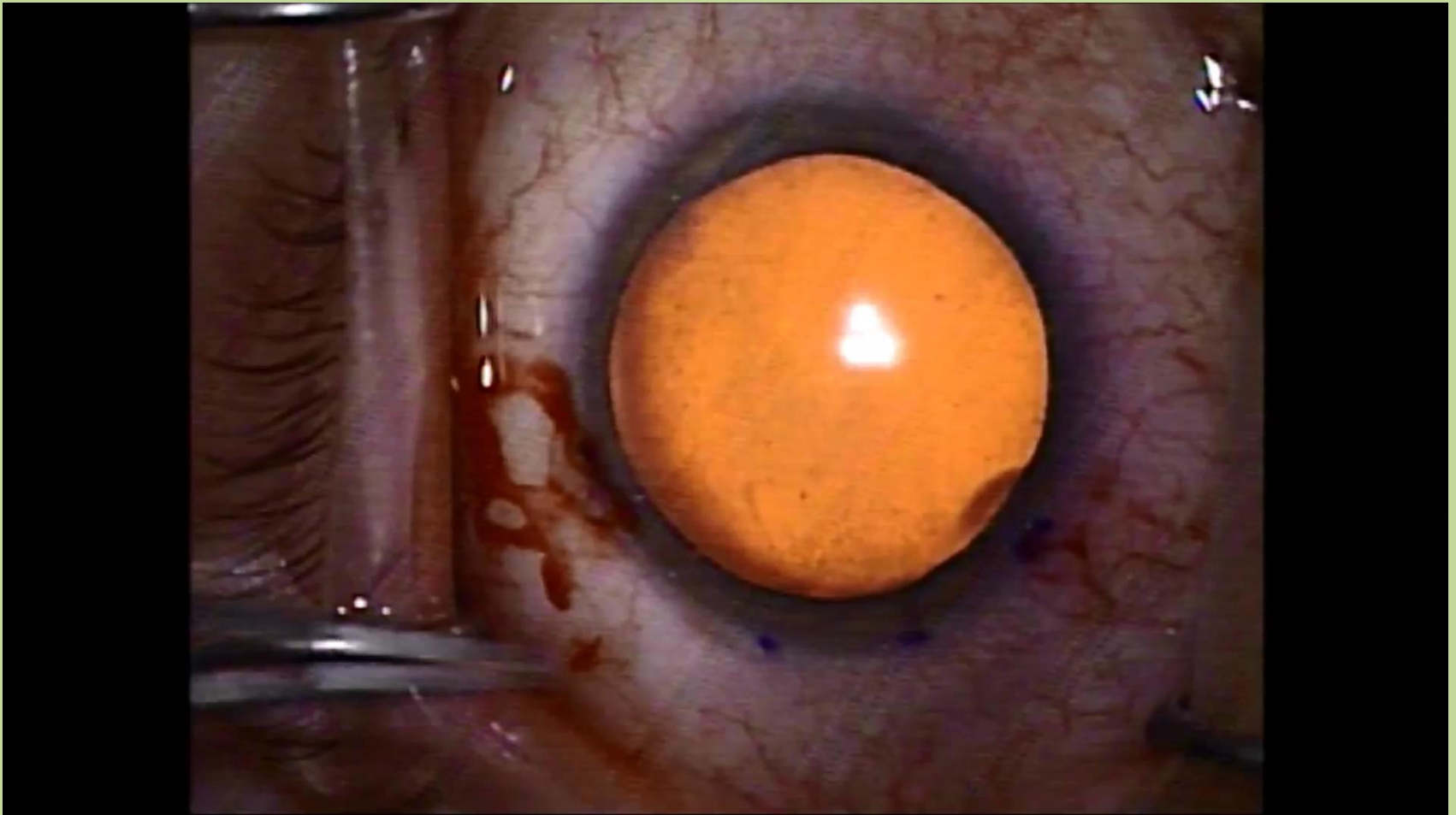
Myth Buster



Myth Buster



4.04mm chamber triple procedure



Conclusions

- Regardless of anterior chamber size DMEK grafts can be un-scrolled quickly utilizing standard un-scrolling maneuvers.
- Its NOT the preoperative size of the chamber that determines un-scrolling times.
- It is the ease of shallowing the chamber that matters most.

THANK YOU/QUESTIONS

