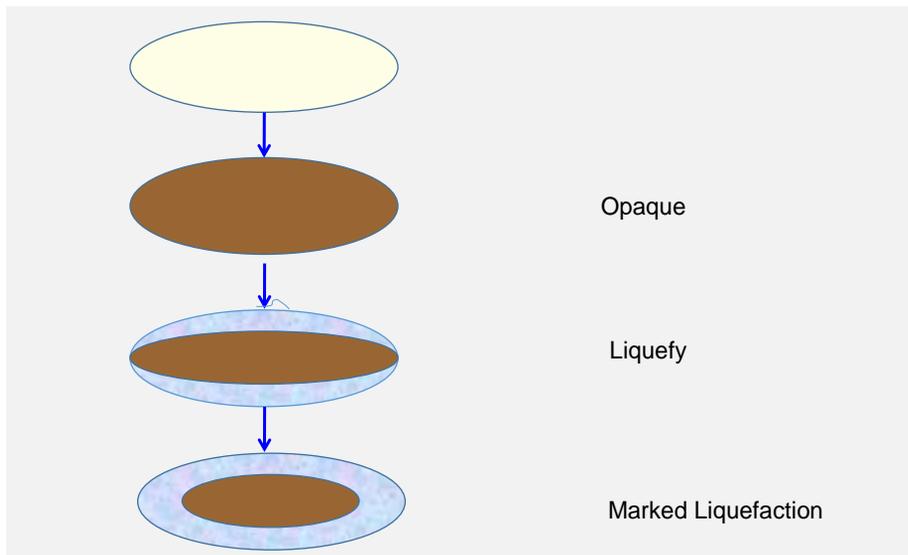


# Top five pearls in Intumescent Cataracts

EOS 2023

DR. FATHY FAWZY  
*WEH*

## 1.They are not all the same

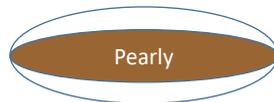


## White intumescent Cataract



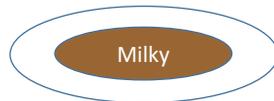
Solid

- no liquefaction, no fluid



Pearly

- Pearly white Intumescent cataract with some liquefaction → Most challenging !!!



Milky

- Milky white cataract with marked liquefaction → Morgagnian Cat.

## White Cataract



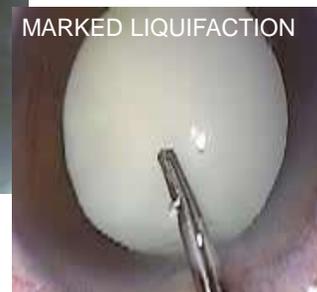
NO LIQUIFACTION

**SOLID** **ROUTINE**



SOME LIQUIFACTION

**PEARLY** **CHALLENGING**



MARKED LIQUIFACTION

**MILKY**

**TRICKY**

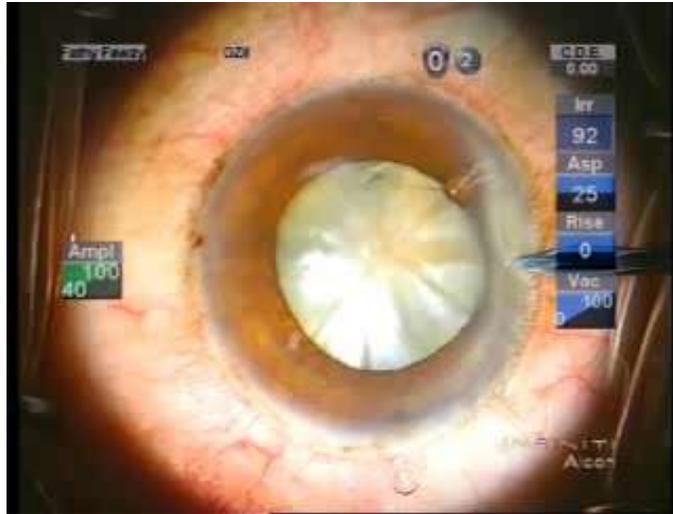
## Capsulorhexis (CCC) is the main challenge

- Visualization of CCC edge (white against white)
- Tendency of CCC to extend ( Argentine flag sign)

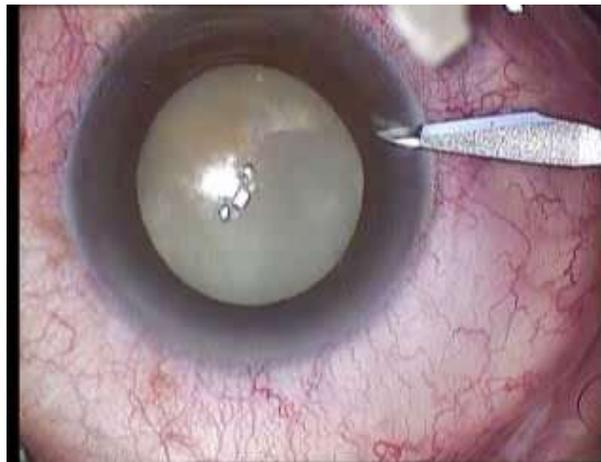
## 2. Visualization of capsulorhexis

Needs a good stain to be able to see CCC edge

## How to stain

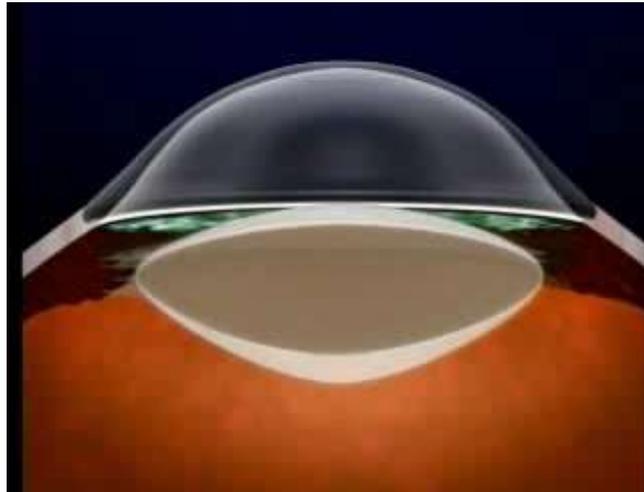


## Air refill



### 3. How to prevent CCC extension (Argentine flag sign )

Why does it extend?



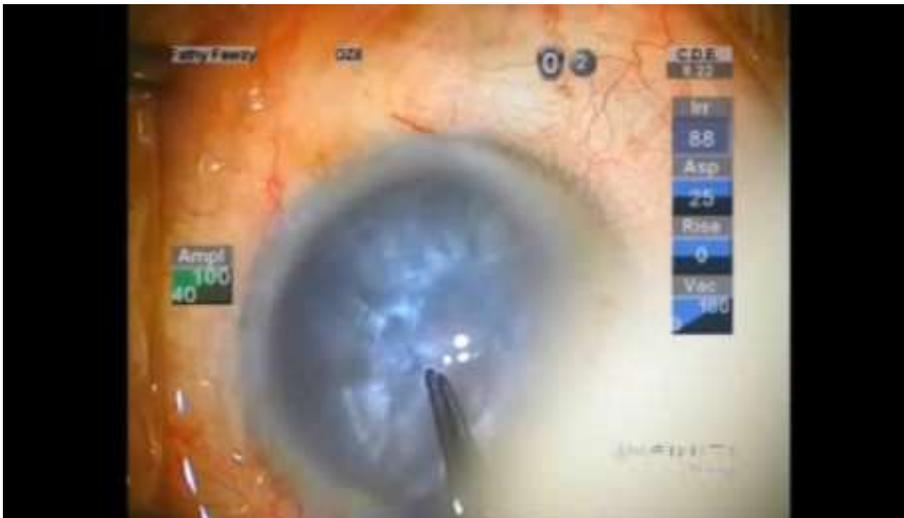
Courtesy to Figueredo CG et al Brazil

# Argentine Flag Sign



## How to beat the Argentine flag

Spiral rhexis, orange peel, snail track



## Idea of Spiral Rhexis



## Two staged rhexis



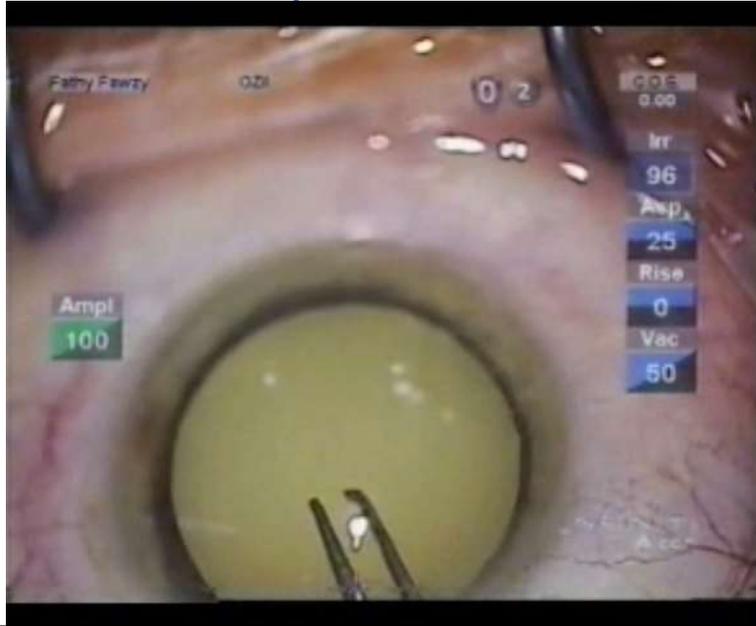
## Needle aspiration



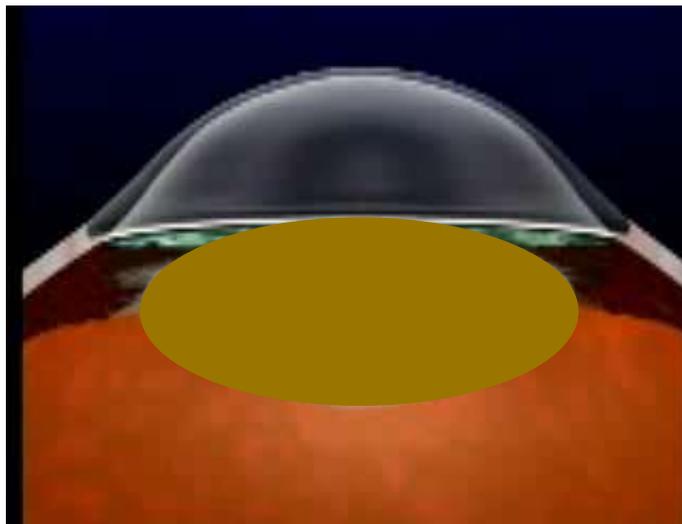
## Animation of milky white cataract



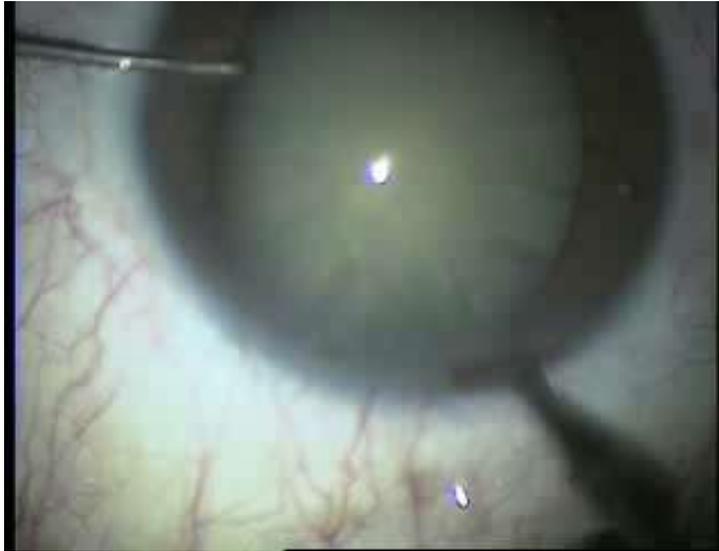
## 4. Milky white cataract



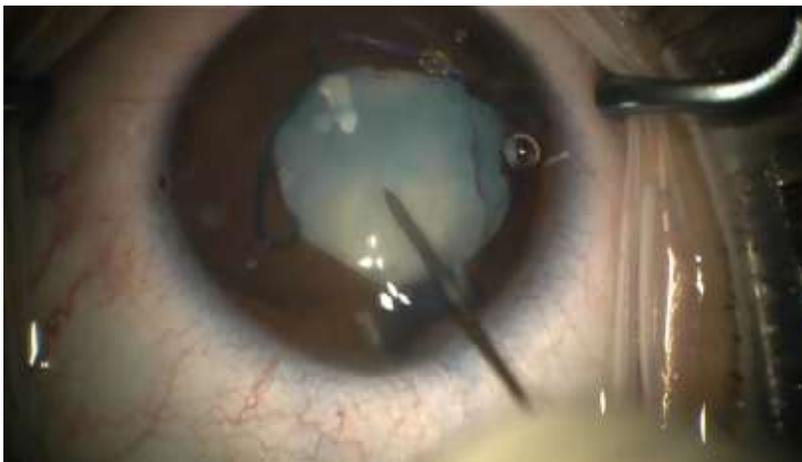
## Solid White



## Solid white cataract



## 5. Fibrotic anterior capsule



## Take Home Message

- **White cataracts are not all the same, they vary in appearance and behavior.**
- **Understanding behavior of types of white cataract will help to avoid difficulties and complications**
- **Technique of surgery should vary according to the type of white cataract and surgeons preference**

***THANK YOU FOR YOUR ATTENTION***