

المؤتمر السنوي الدولي للجمعية الرمادية المصرية
INTERNATIONAL CONGRESS OF THE
EGYPTIAN OPHTHALMOLOGICAL SOCIETY
EOS 2023

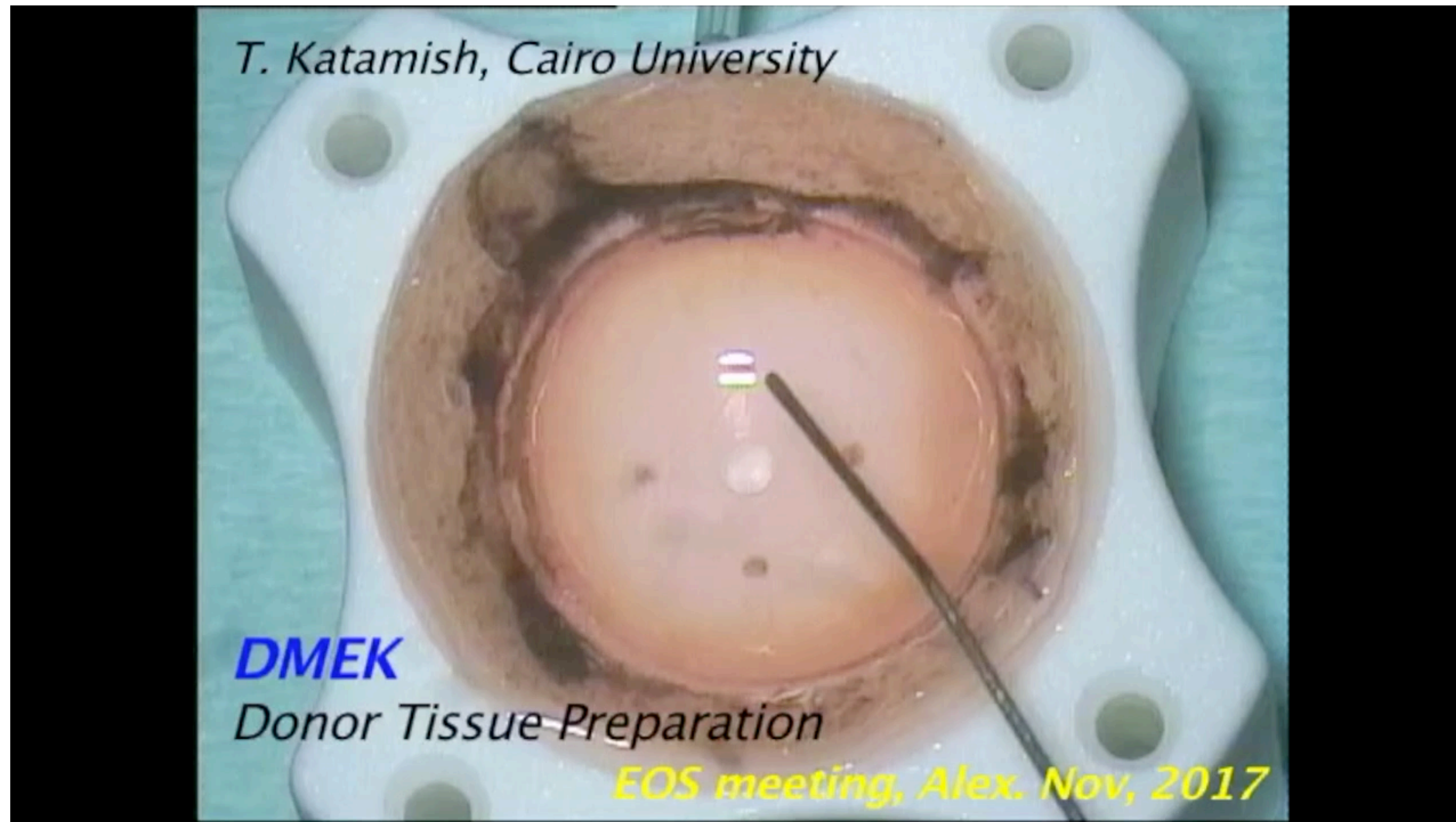


Different types of DMEK Rolls

Prof. Dr. Tarek Katamish
Cairo University



Donor tissue preparation



Classic Technique

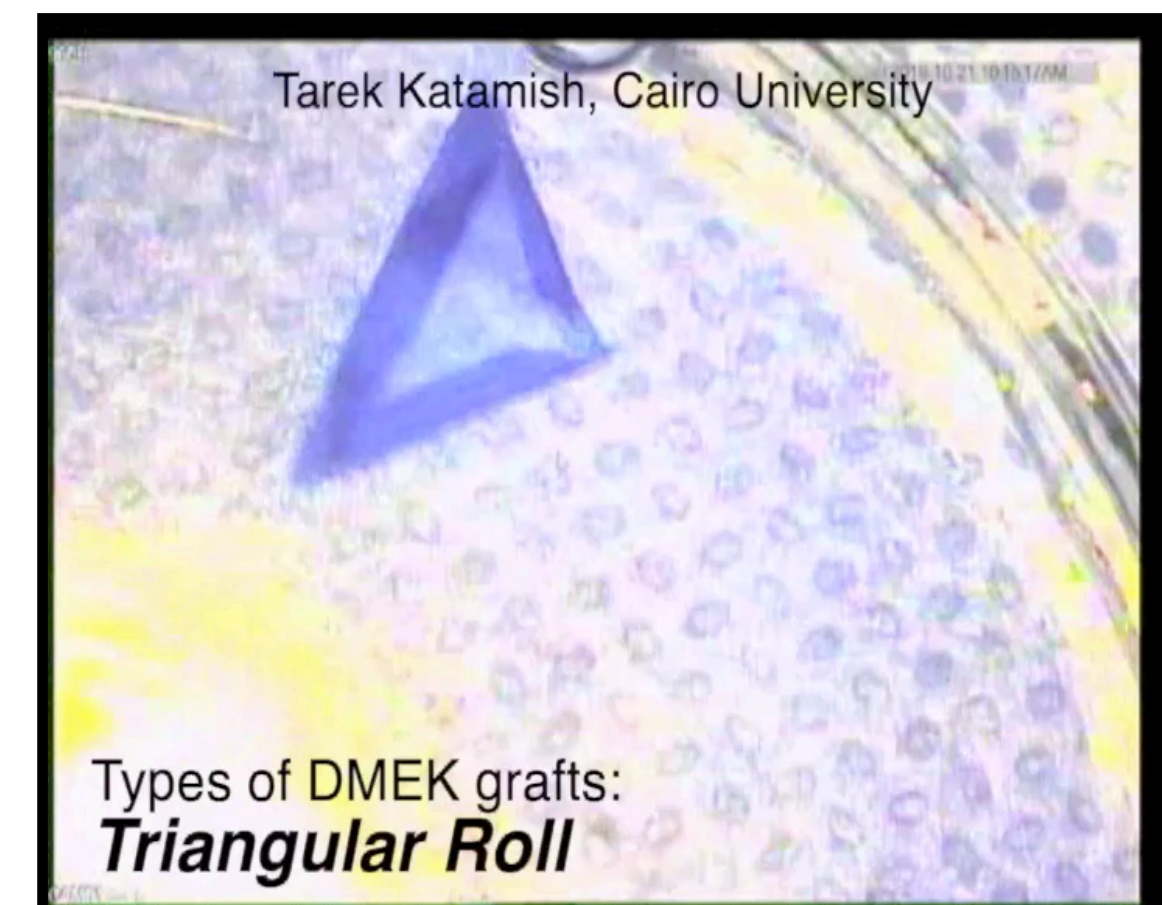
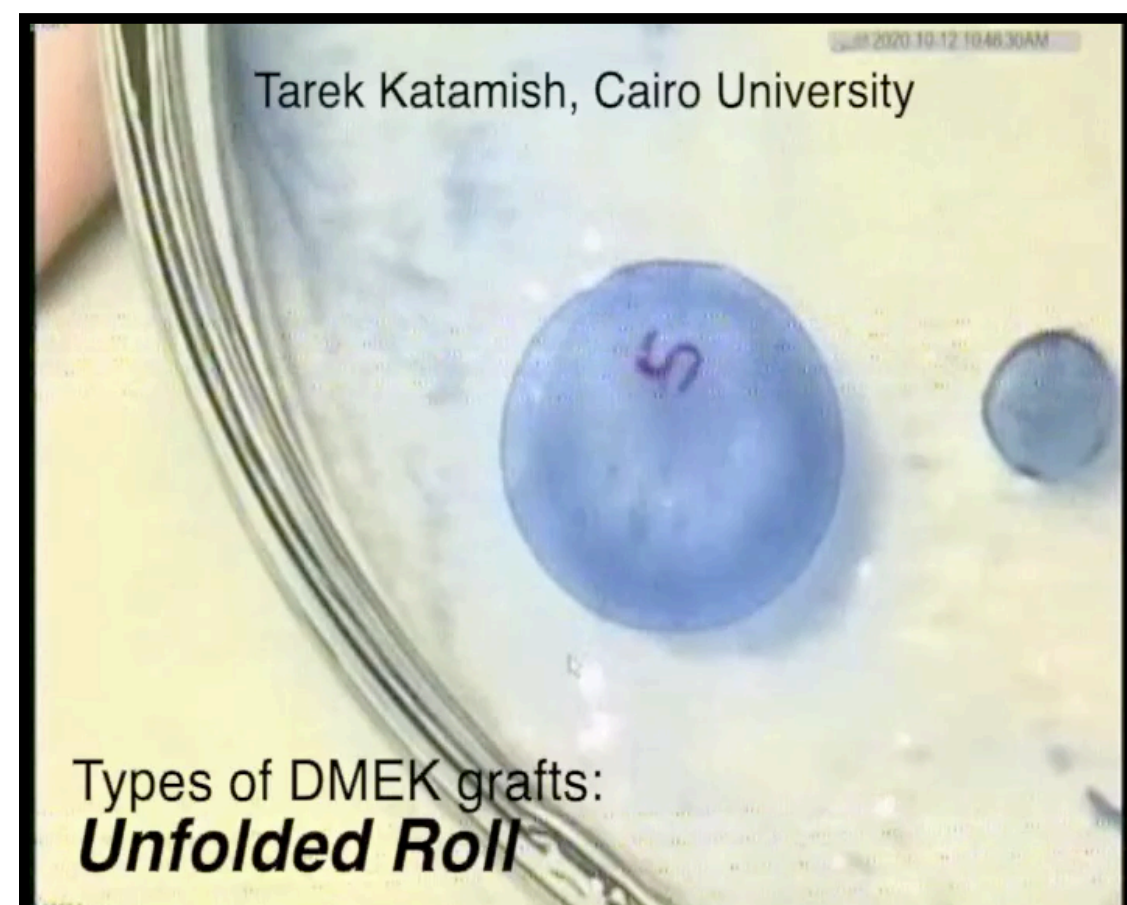
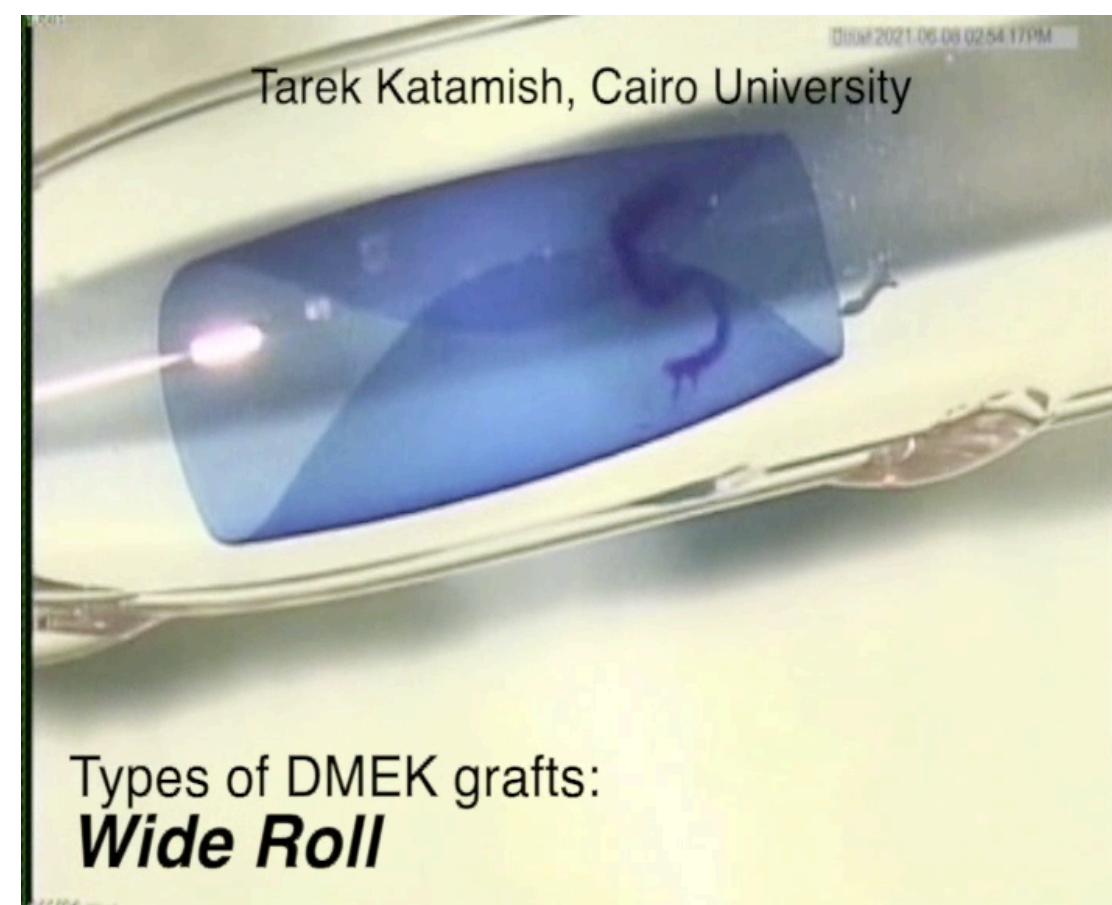


Liquid-bubble Technique

Different types of DMEK rolls

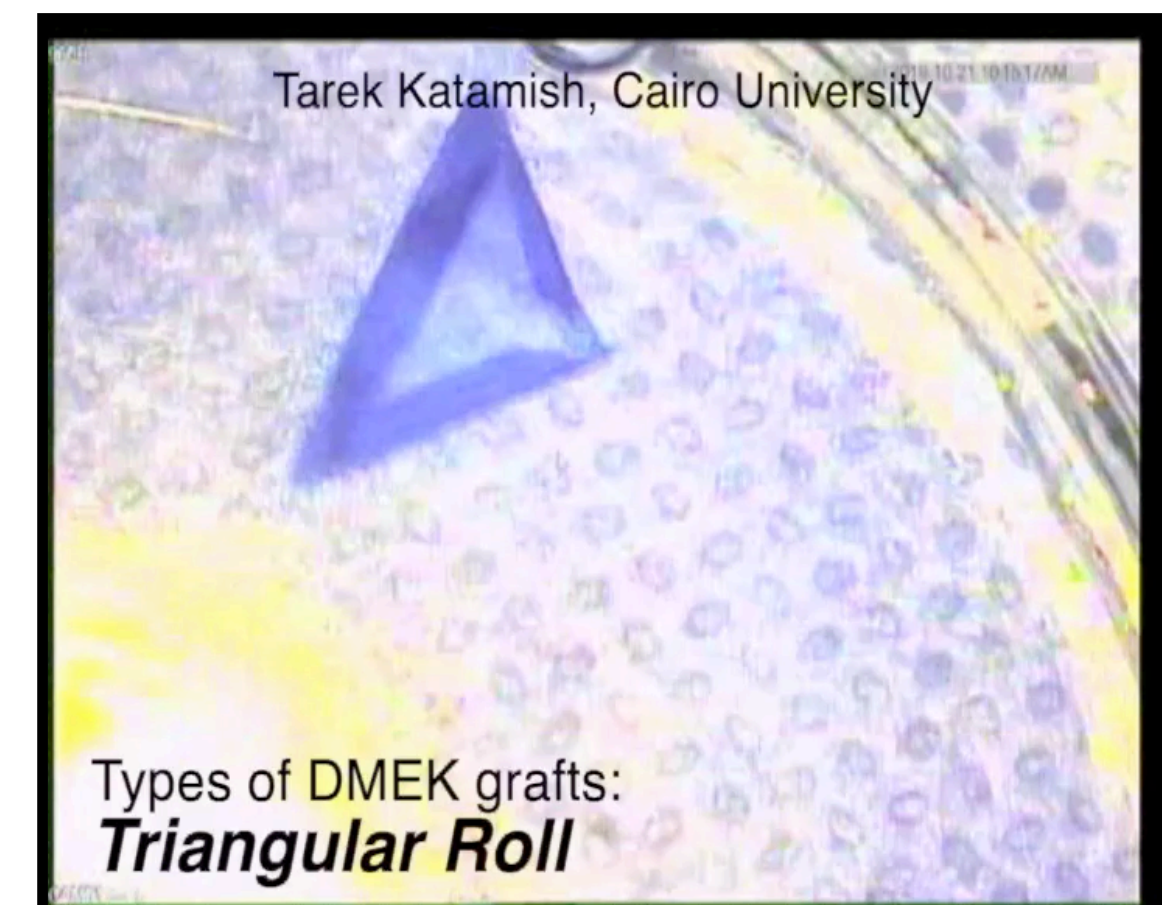
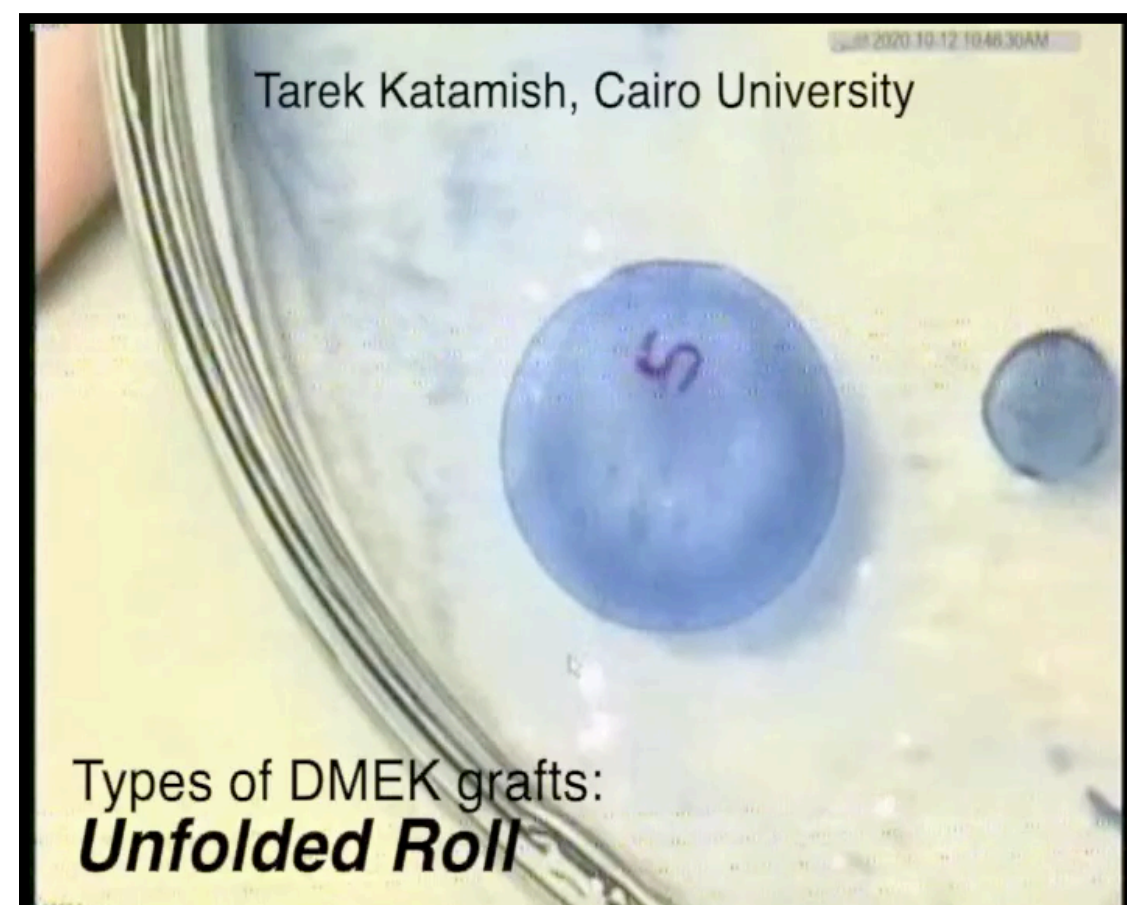
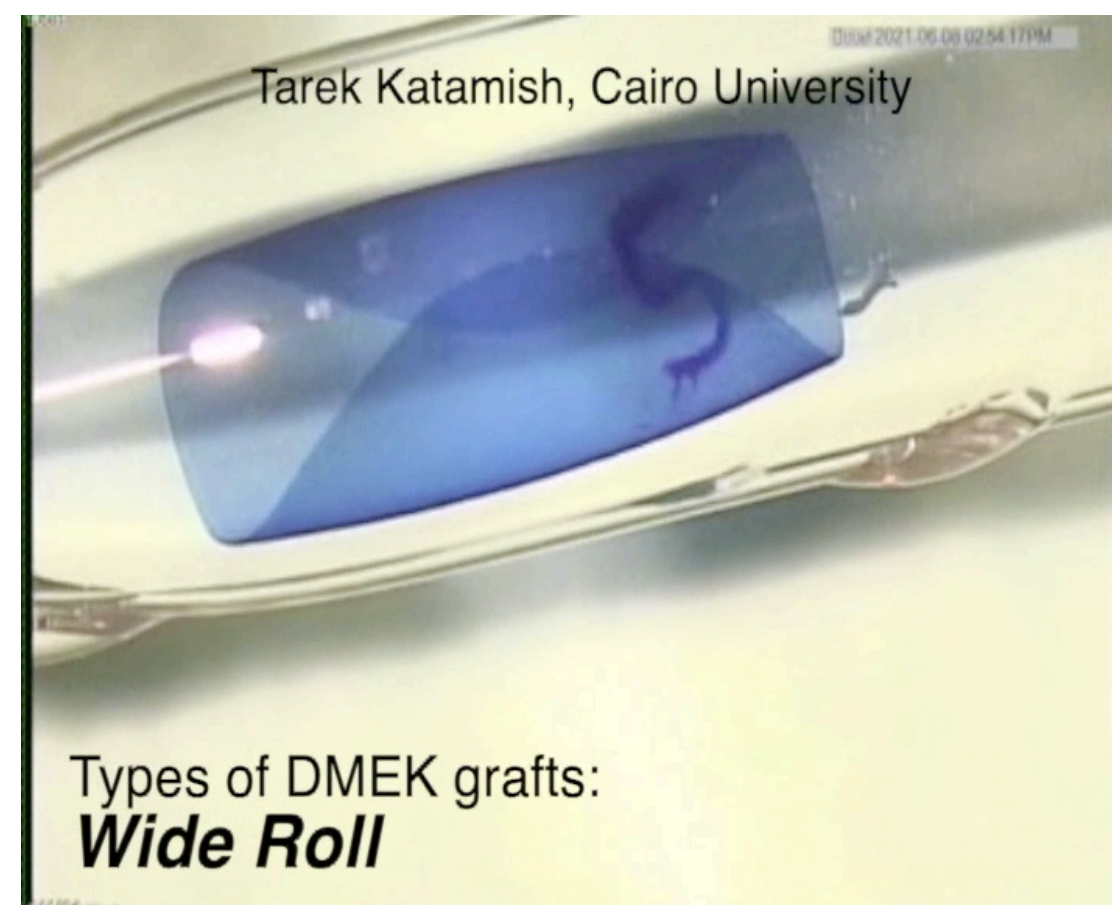
depends upon the

donor age & elastin content of the DM-graft



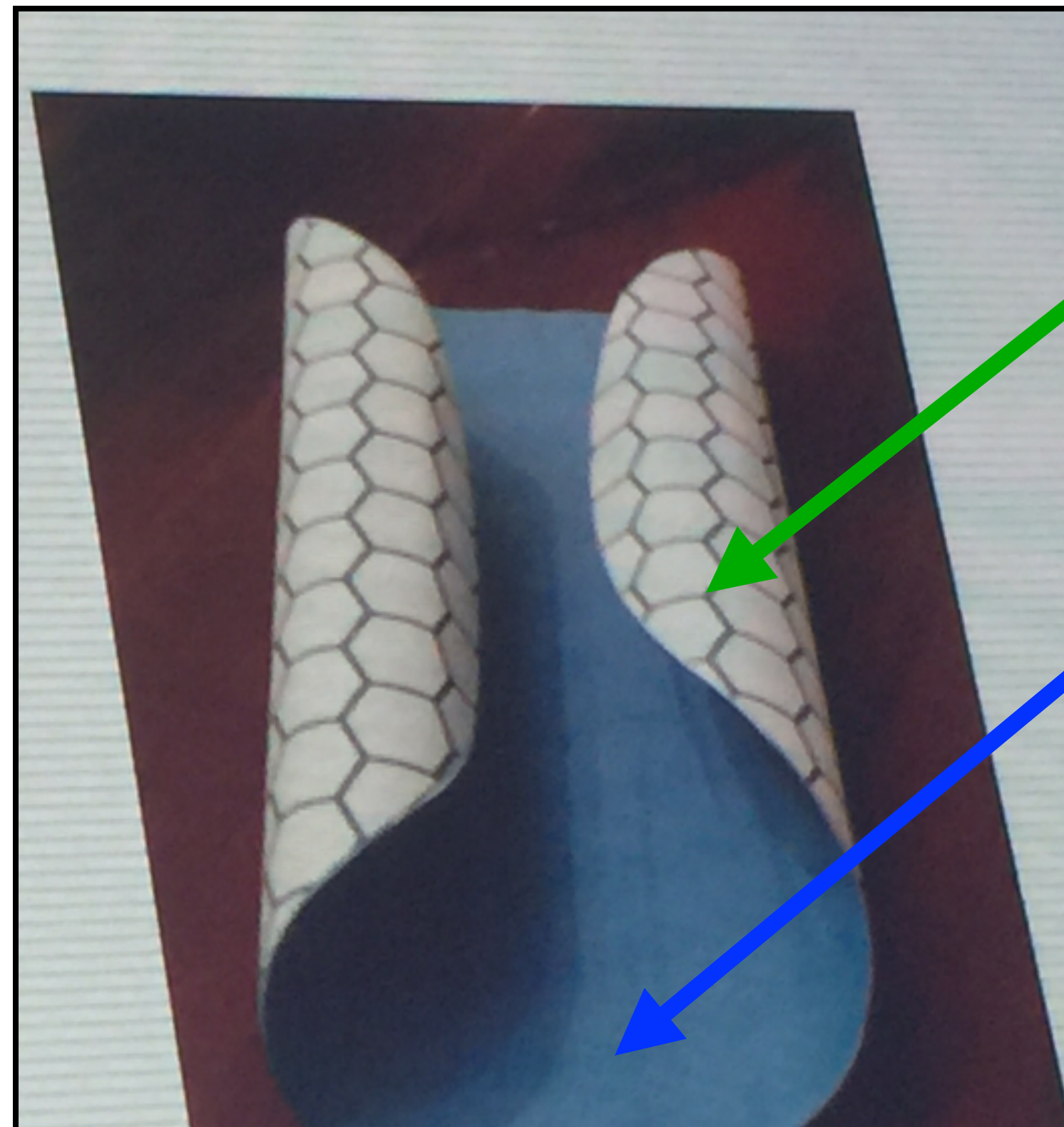
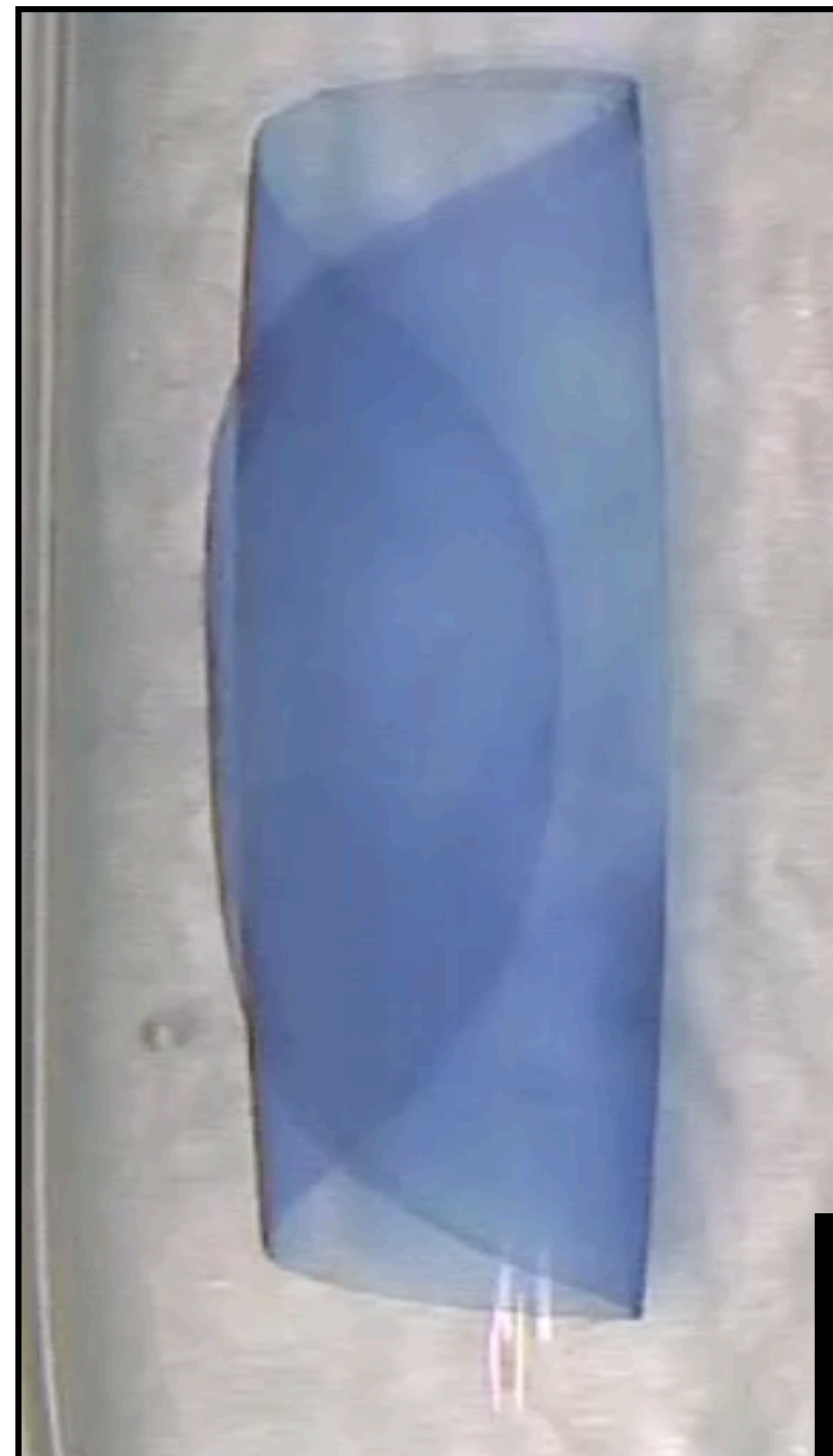
Different types of DMEK rolls

Each type of these DMEK rolls has
its suitable unfolding technique



(Natural behavior?)

DMEK graft orientation!

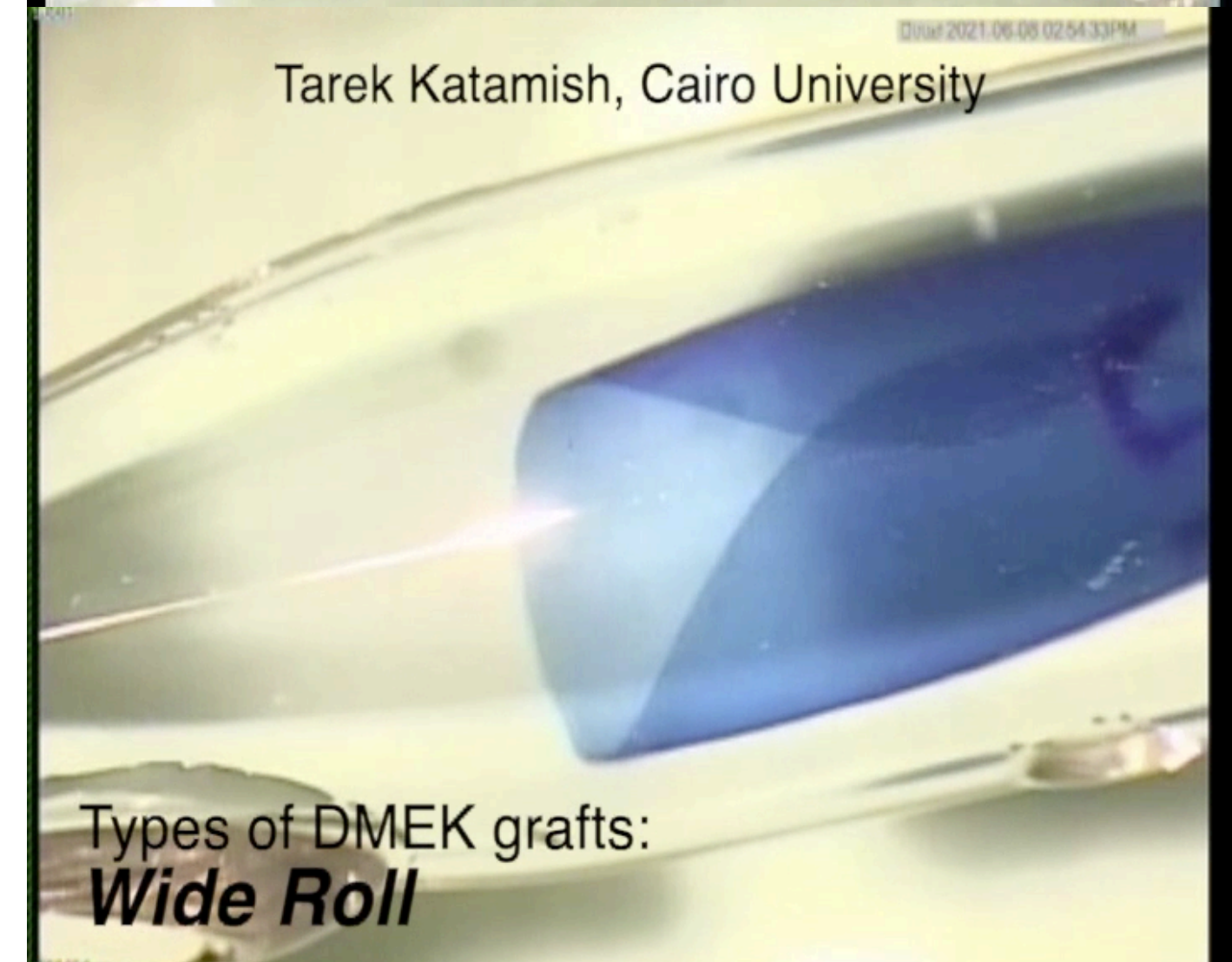
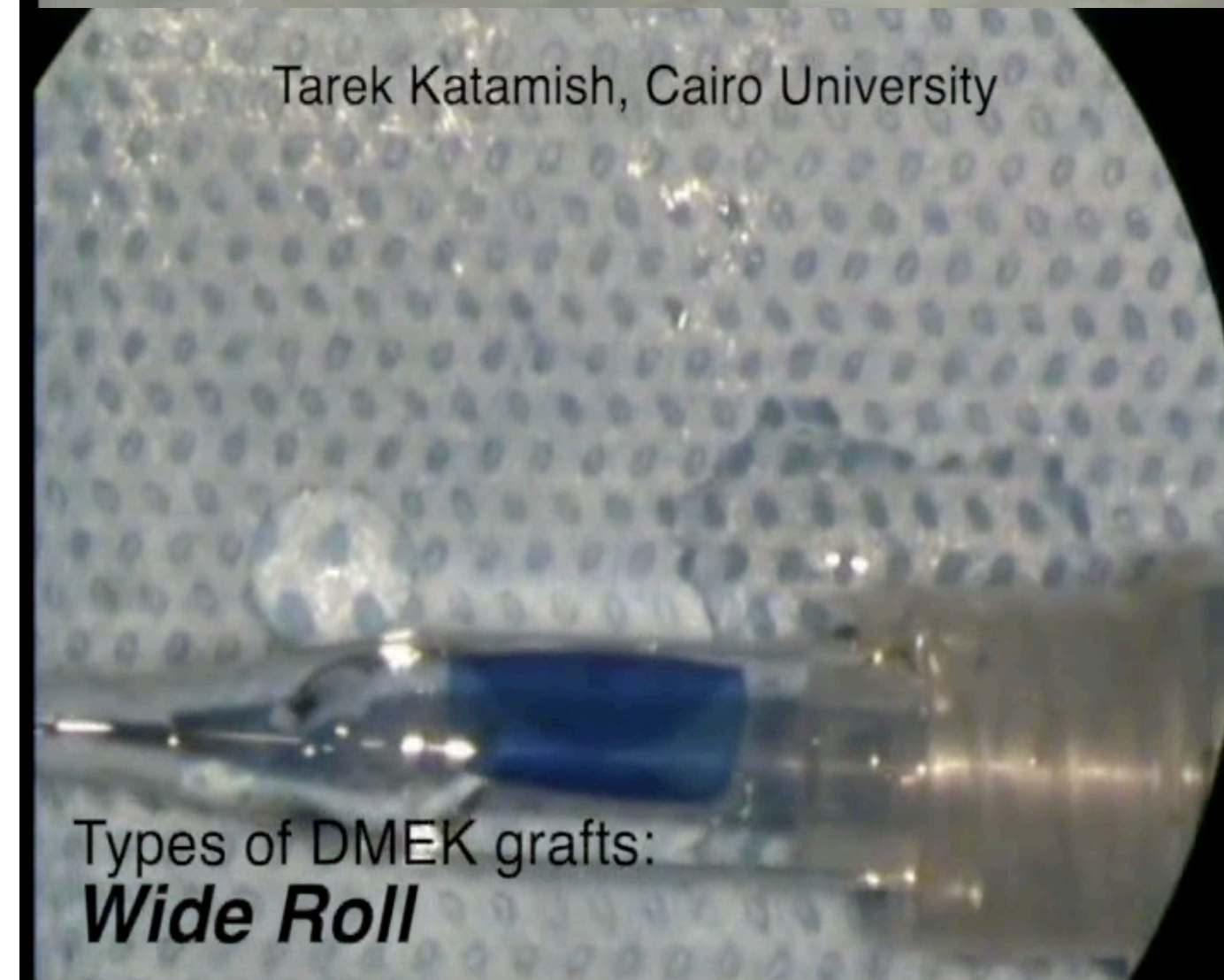
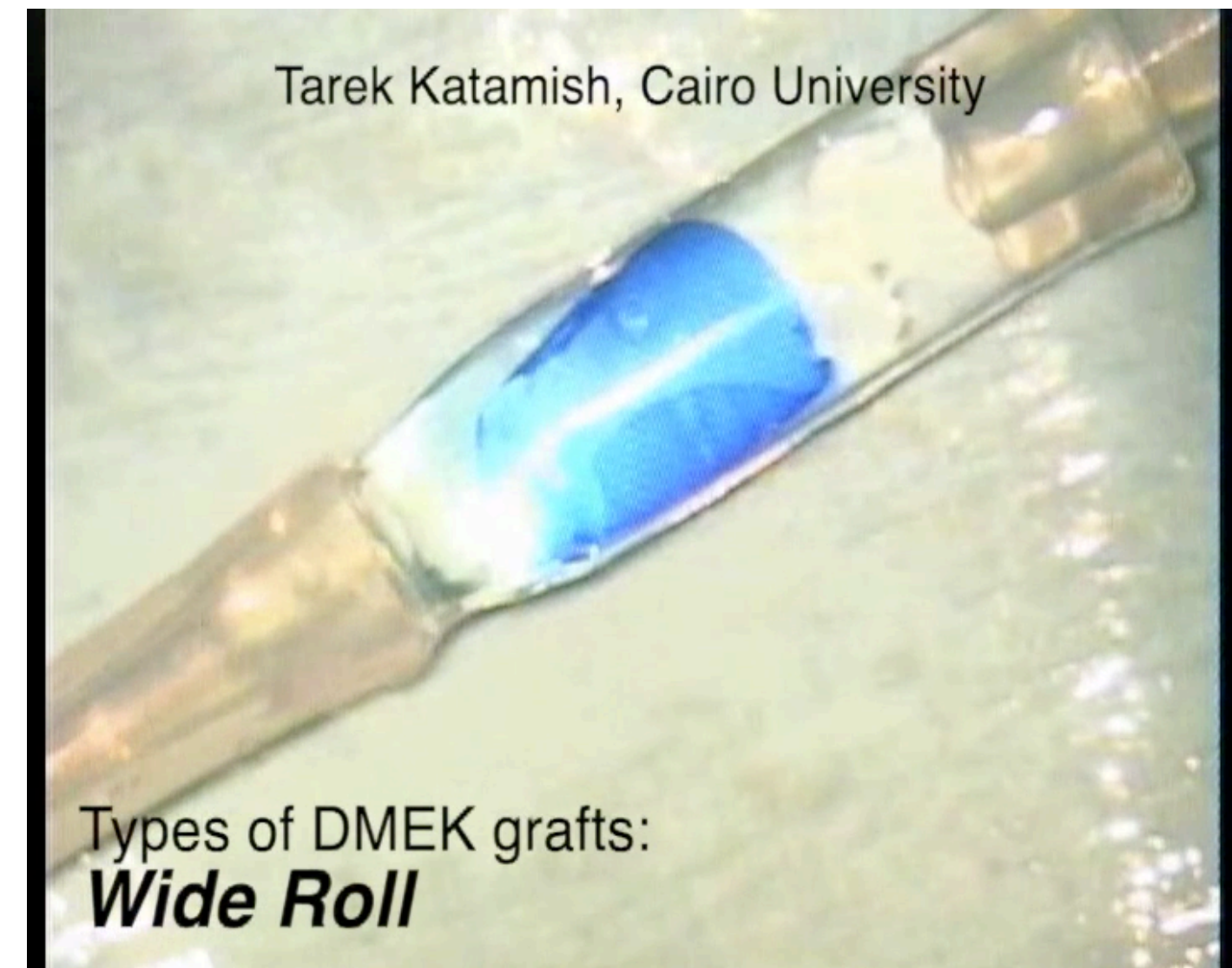
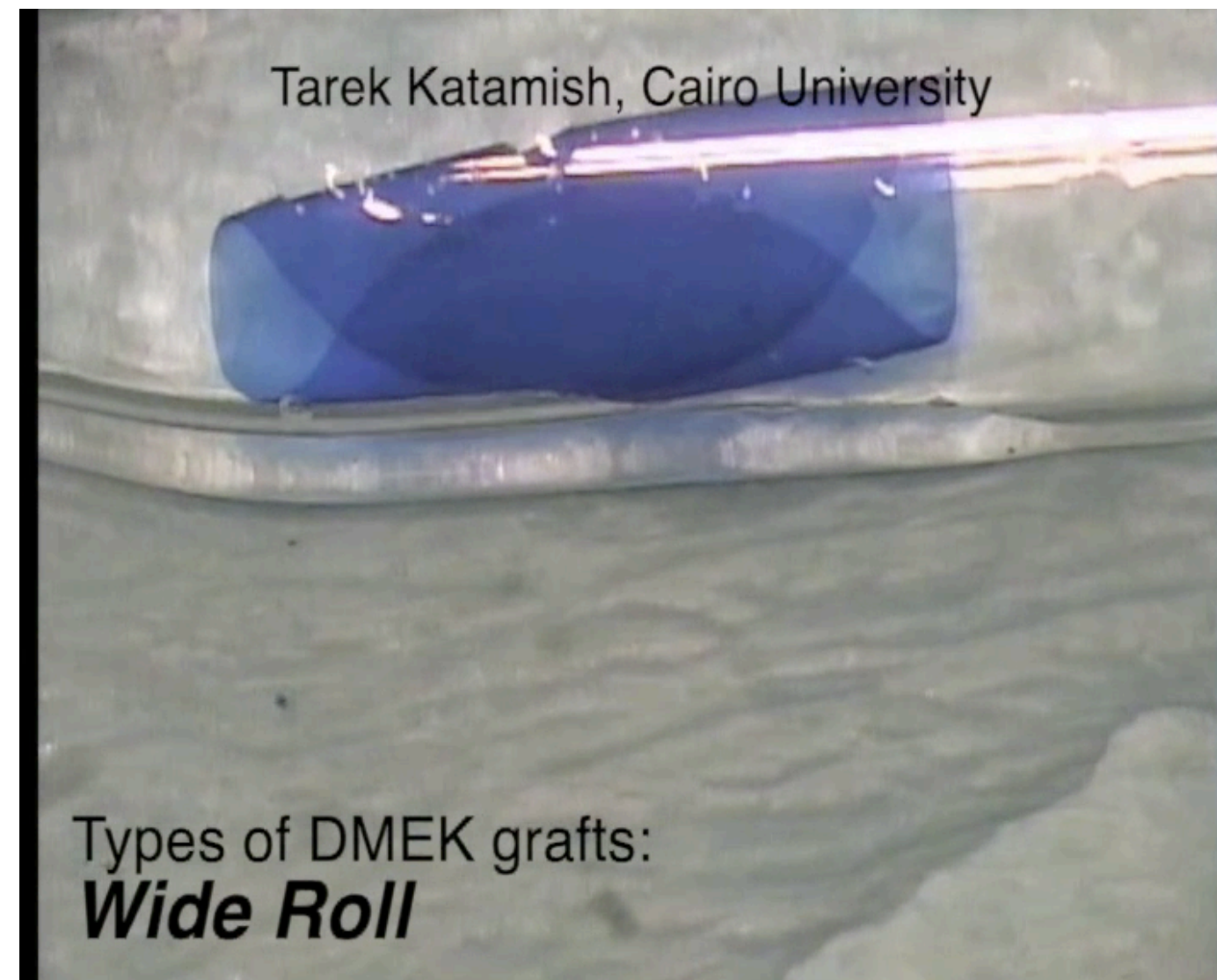


Endothelium
outside

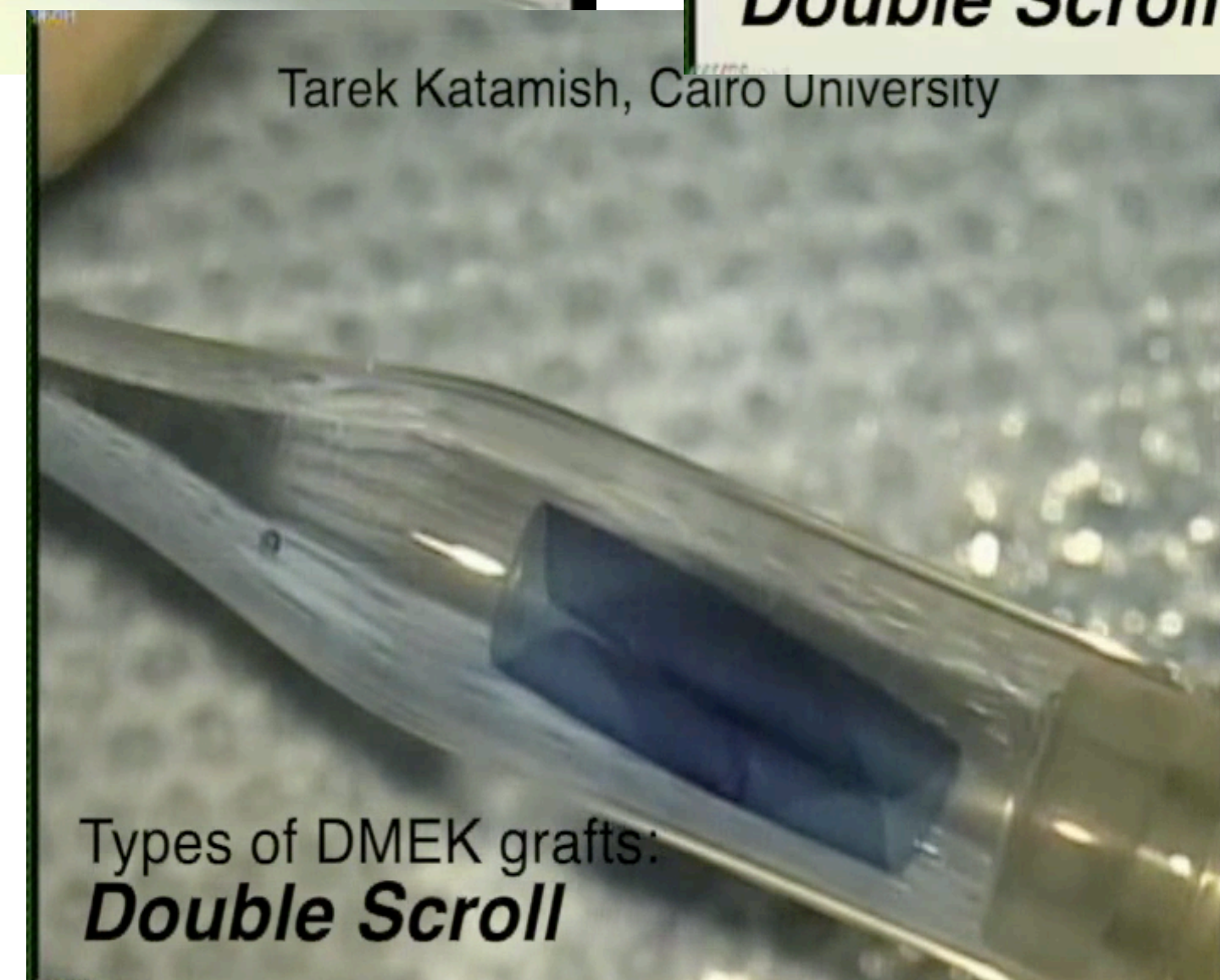
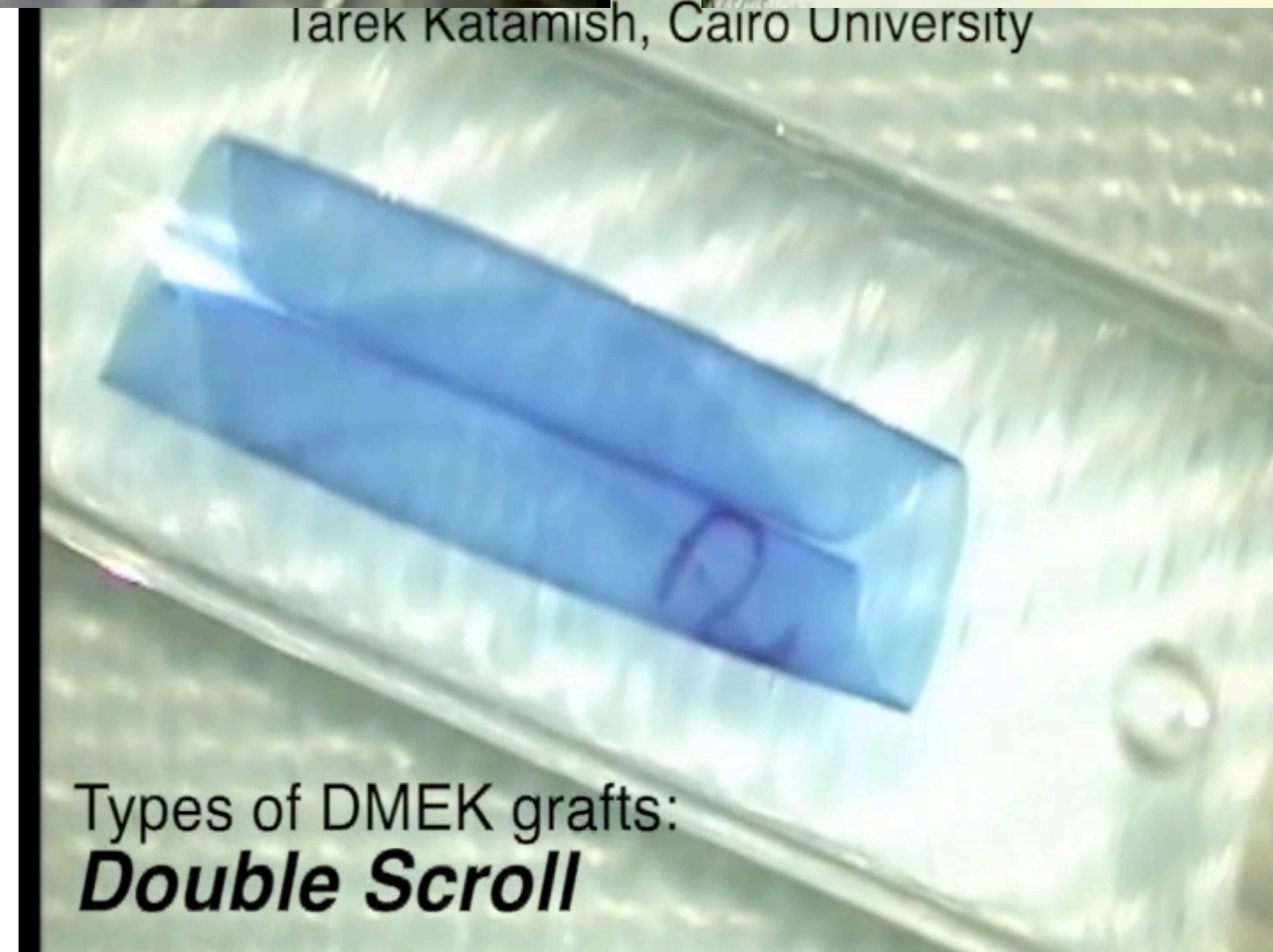
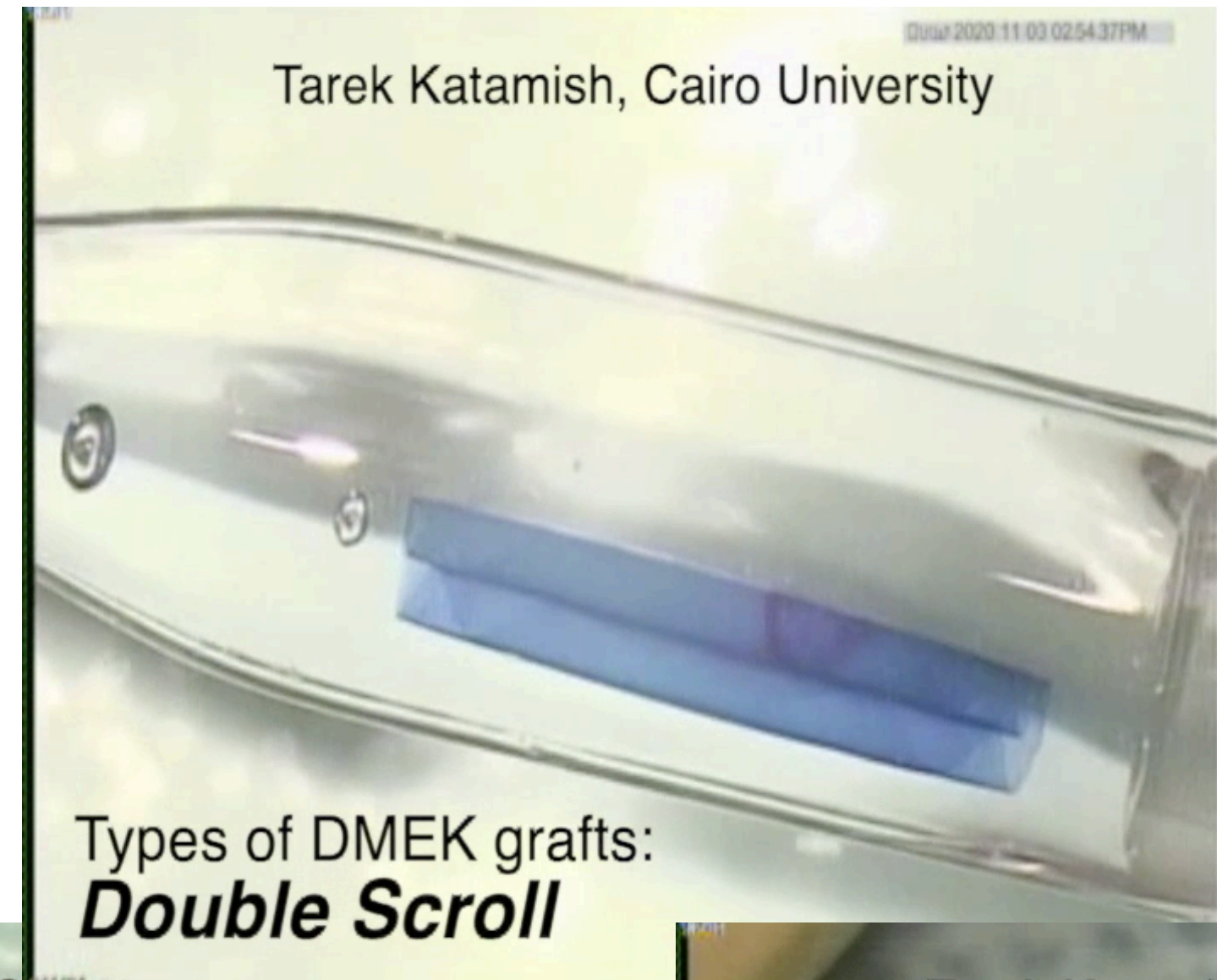
D.M. (elastic)
Inside

in 100% of cases

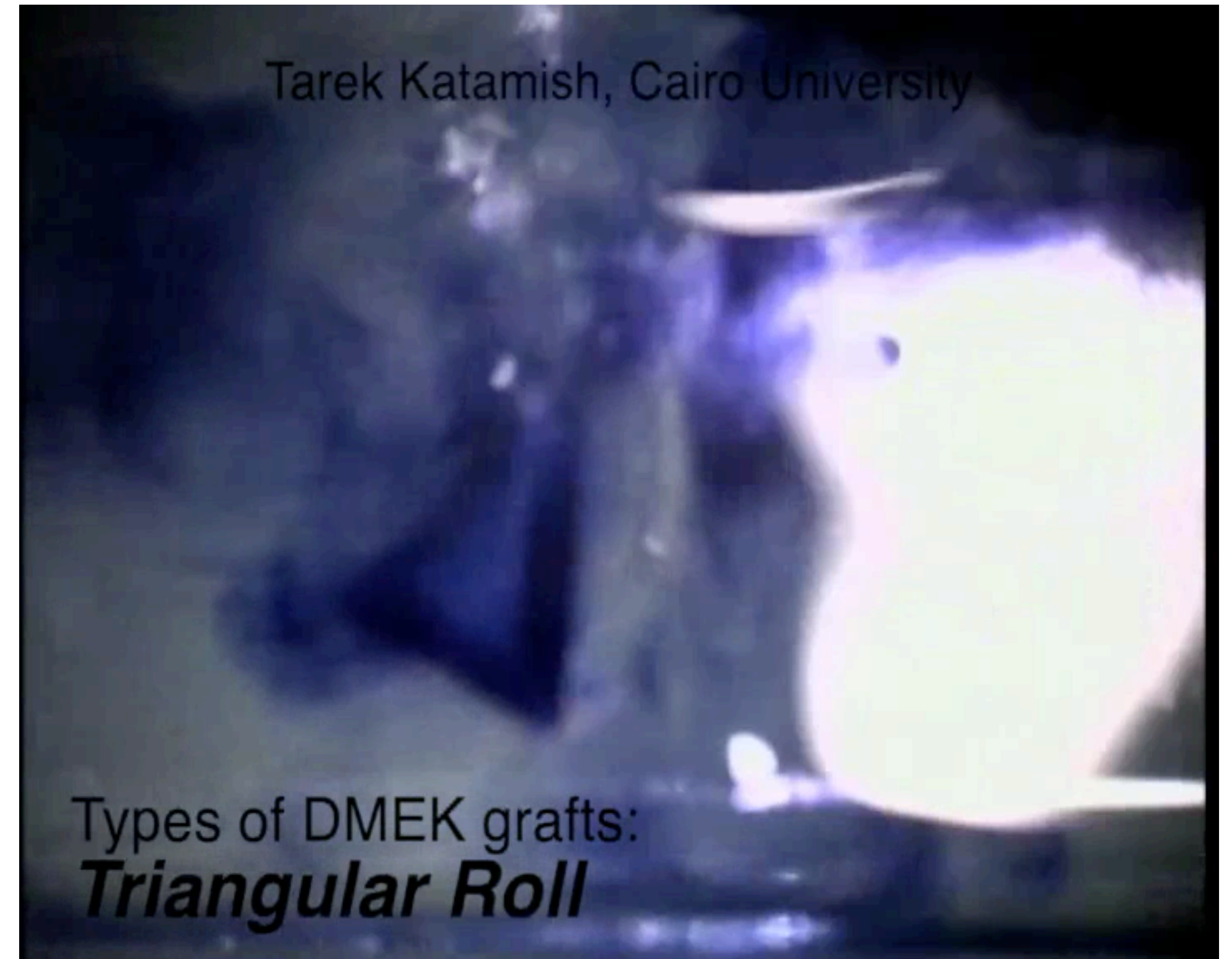
Wide DMEK rolls



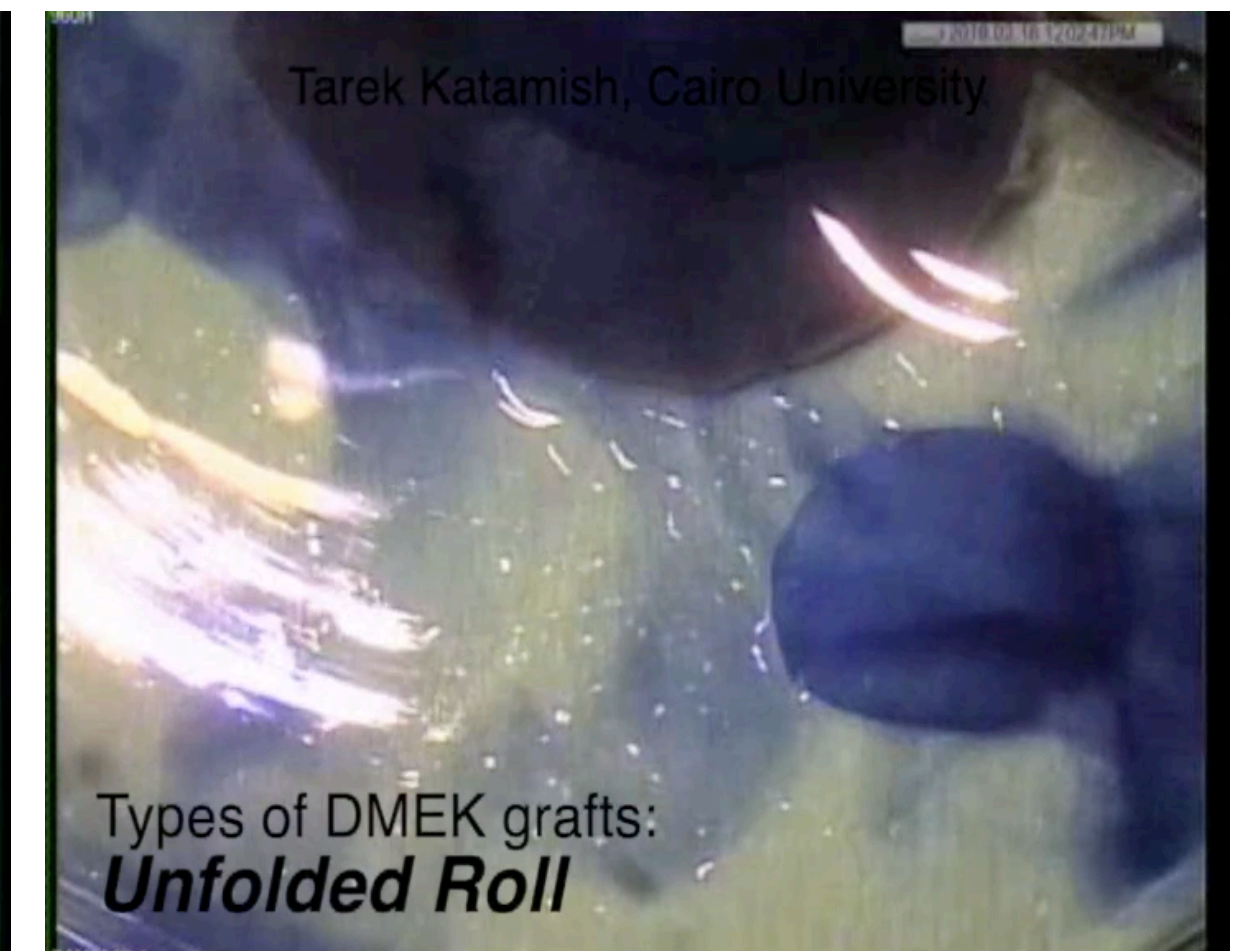
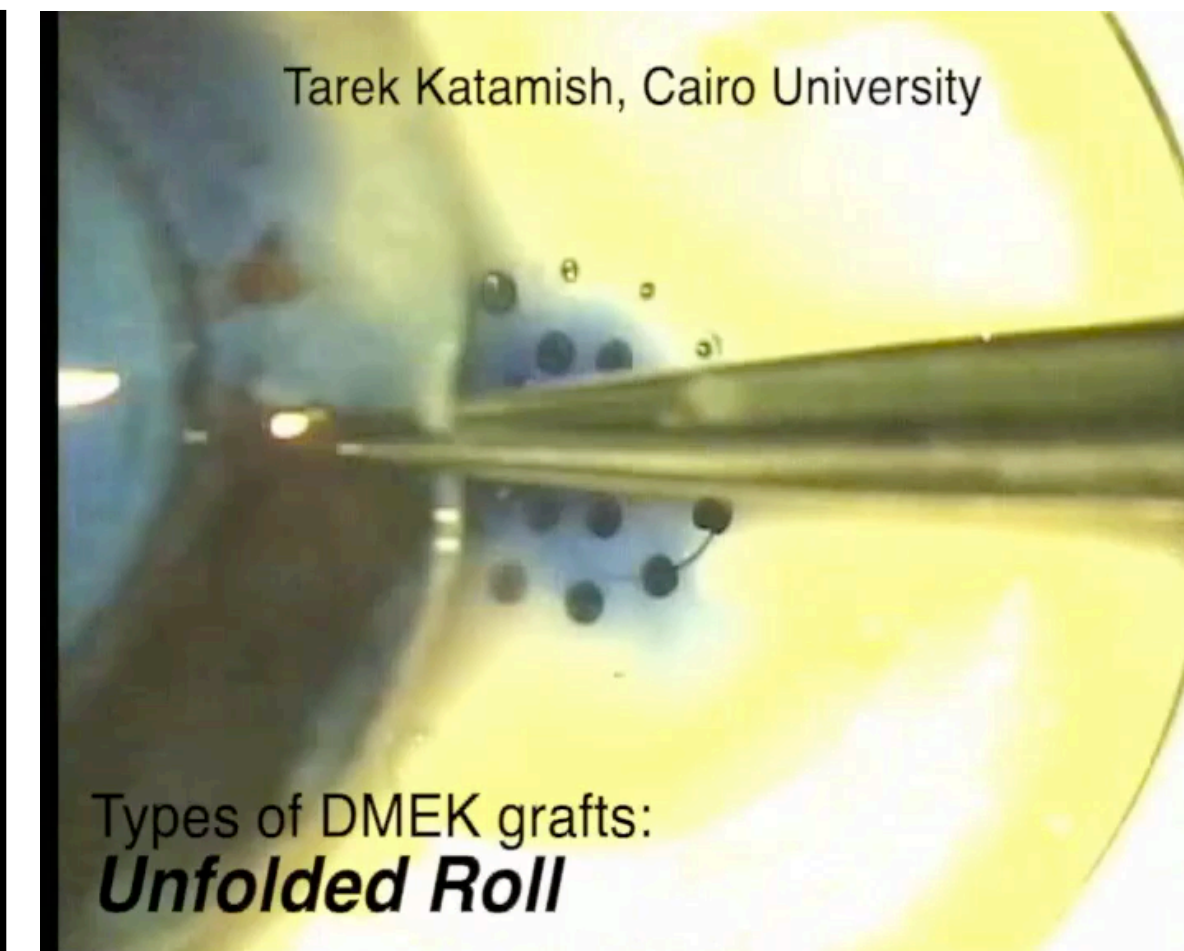
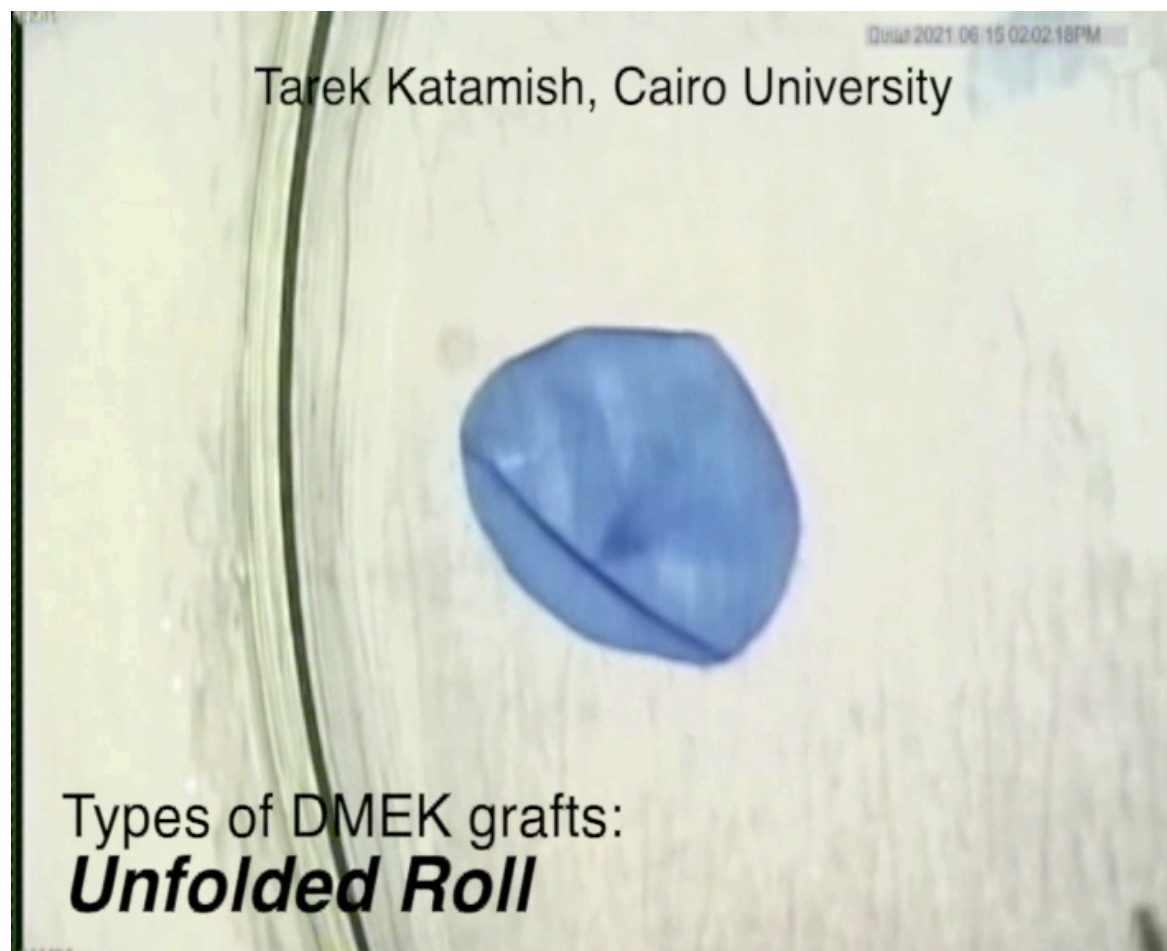
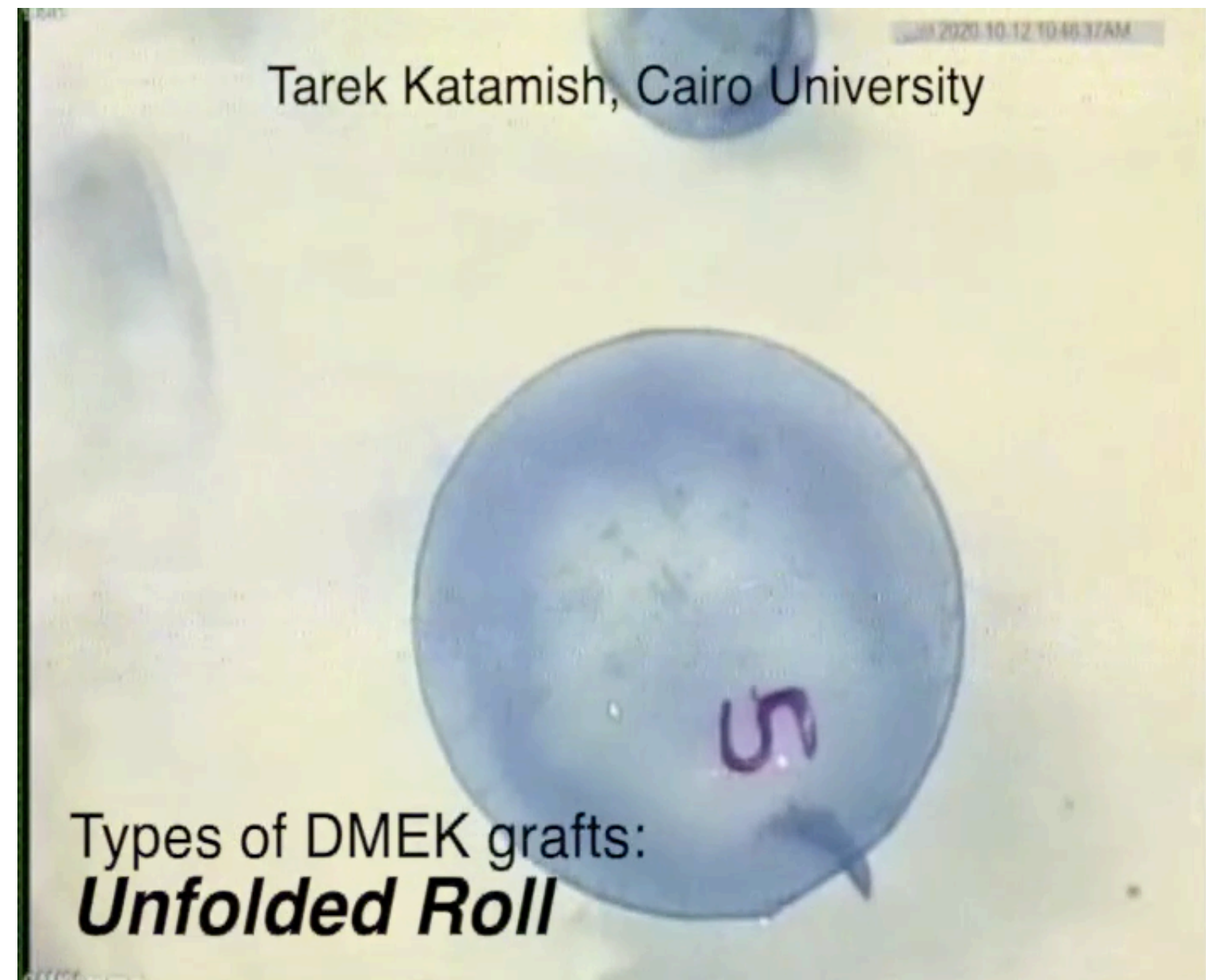
Double scrolls



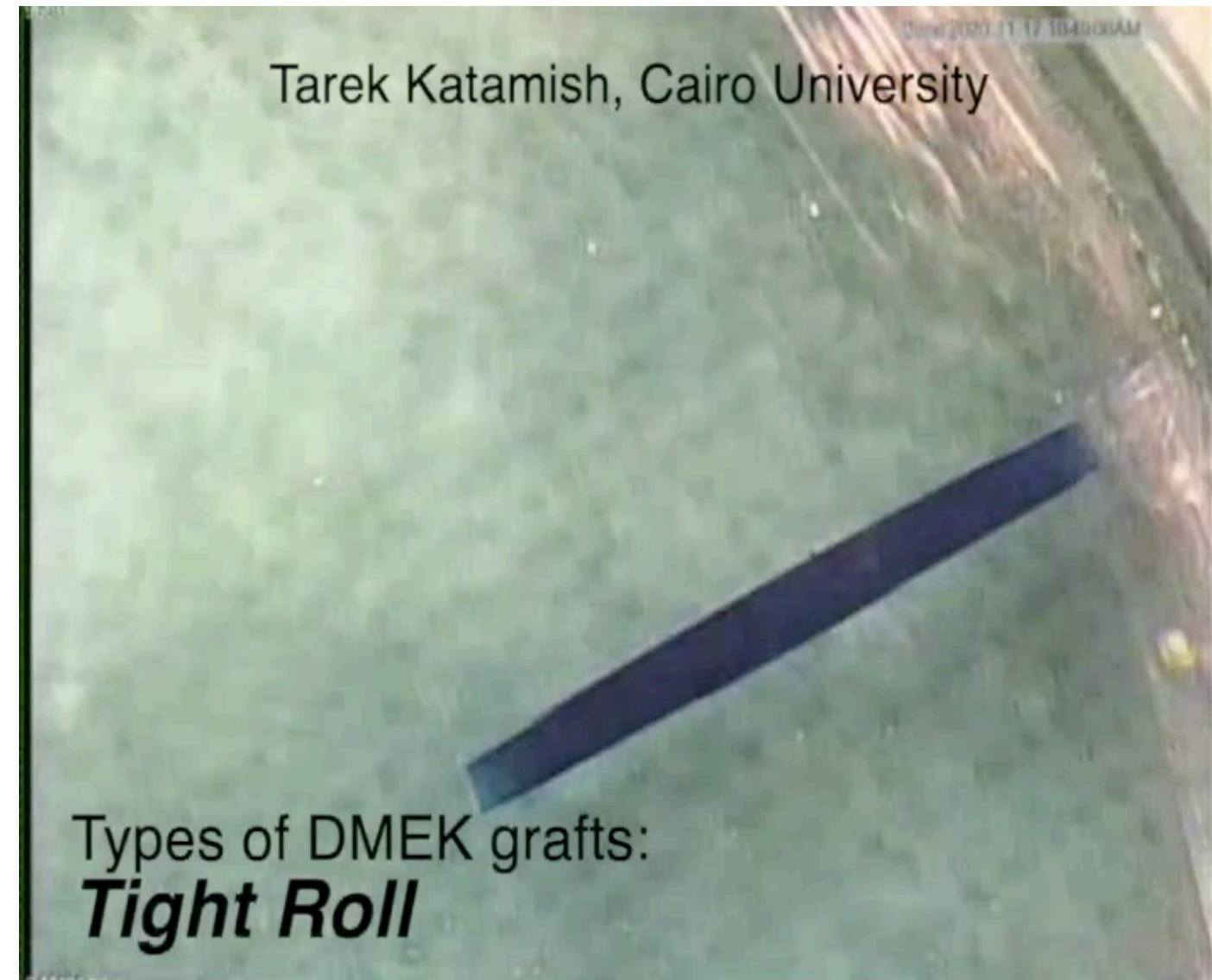
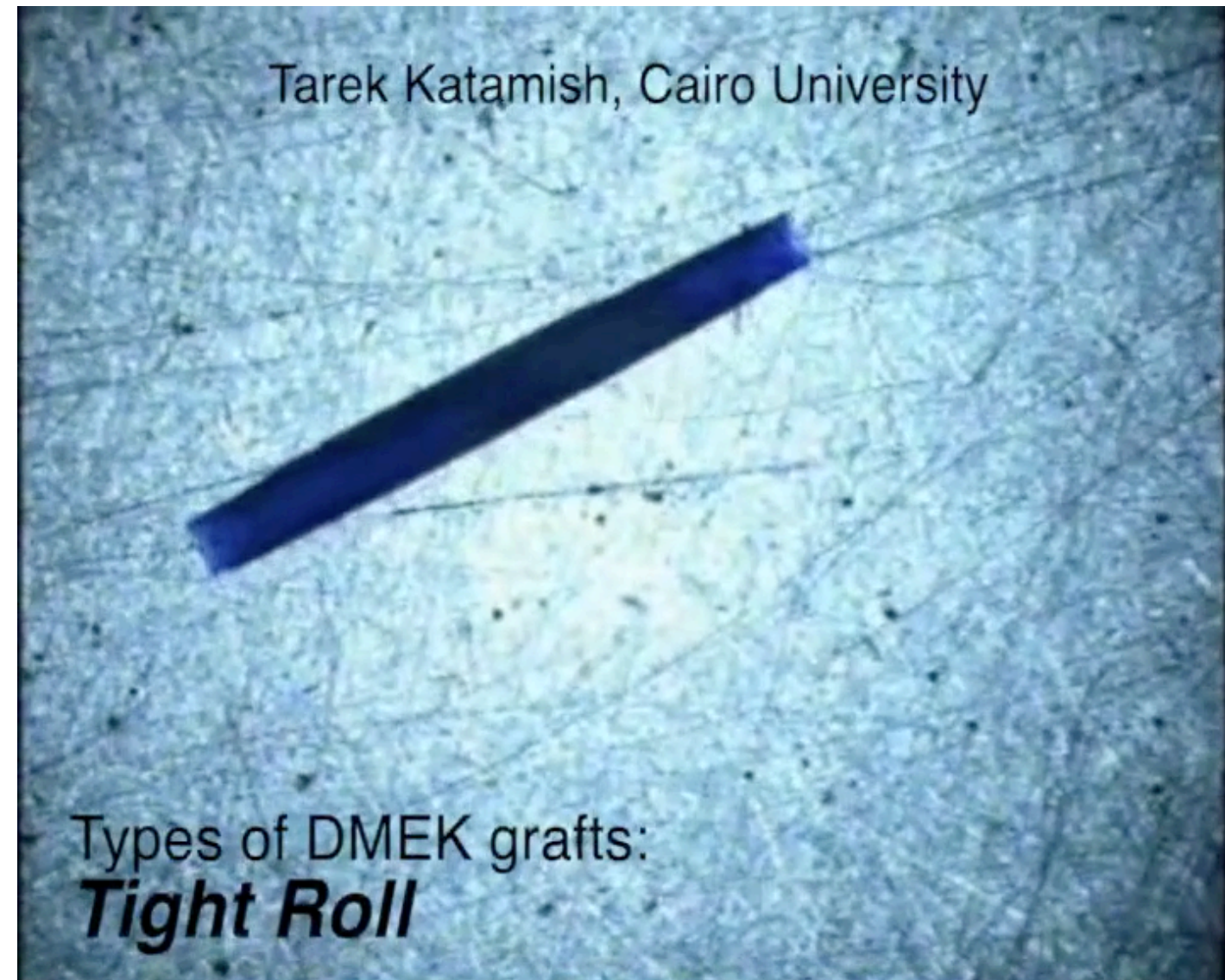
Triangular DMEK rolls



Unfolded DMEK rolls

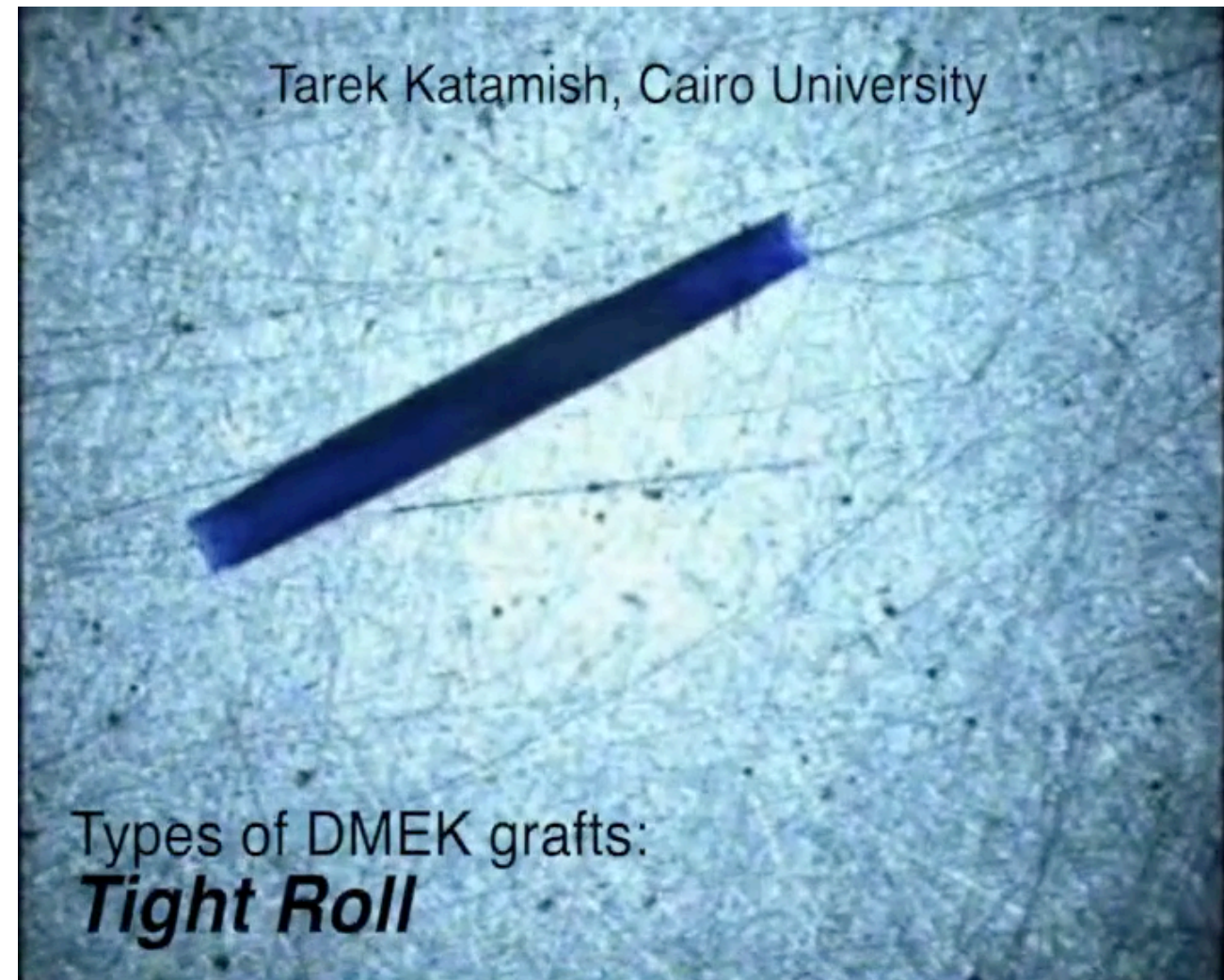


Tight DMEK rolls

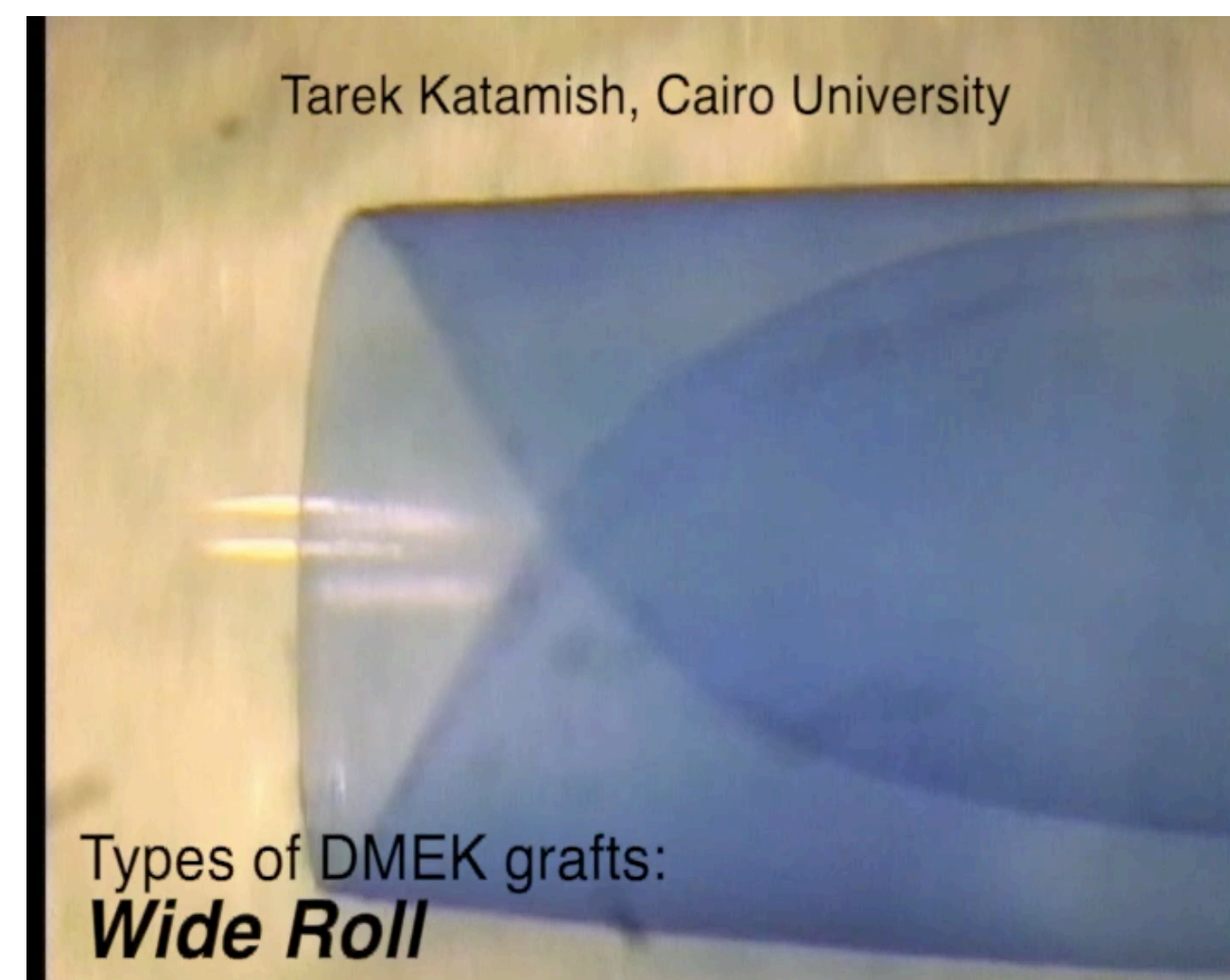


Tight DMEK rolls vs. wide rolls

Difficult unfolding

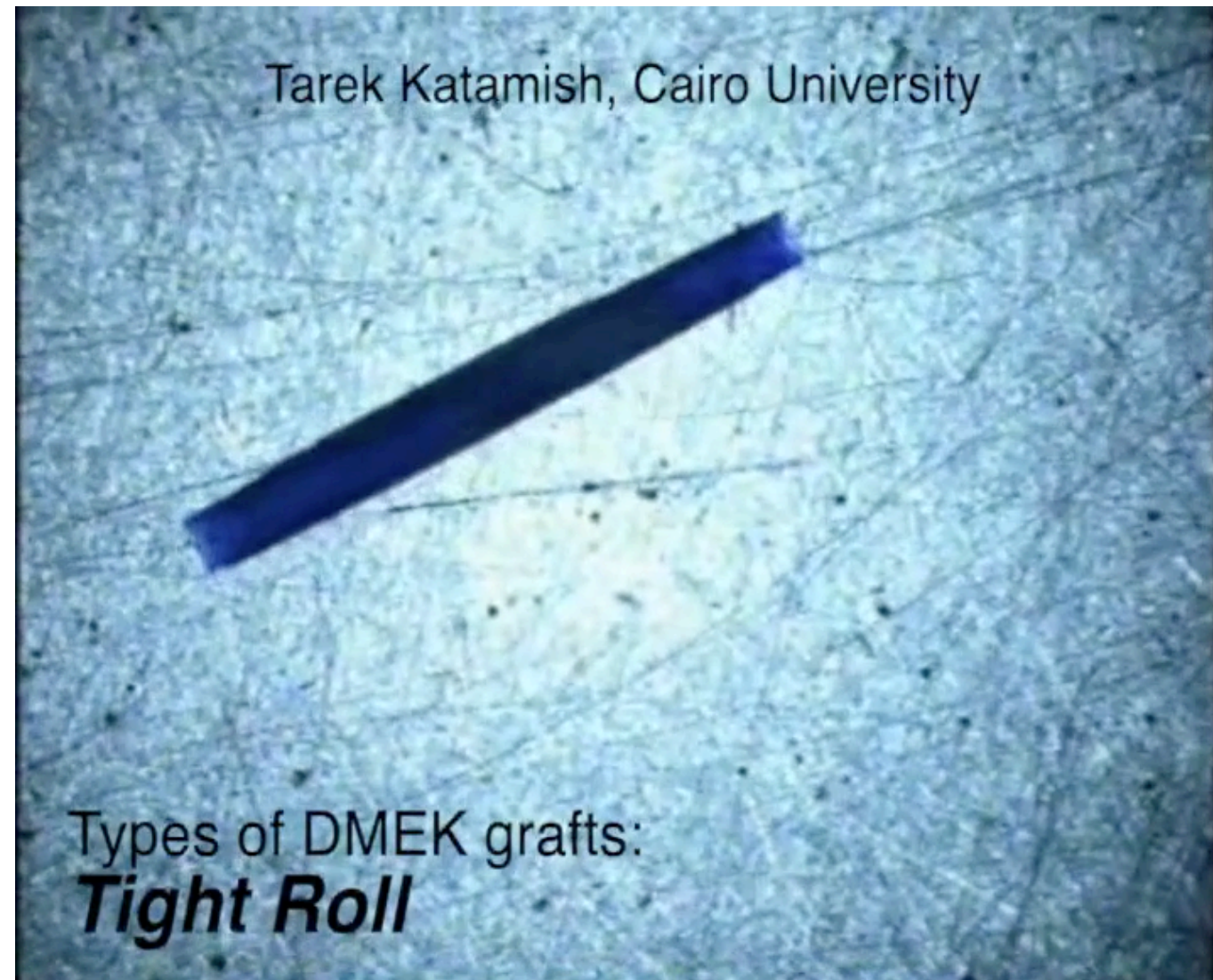


Easy unfolding

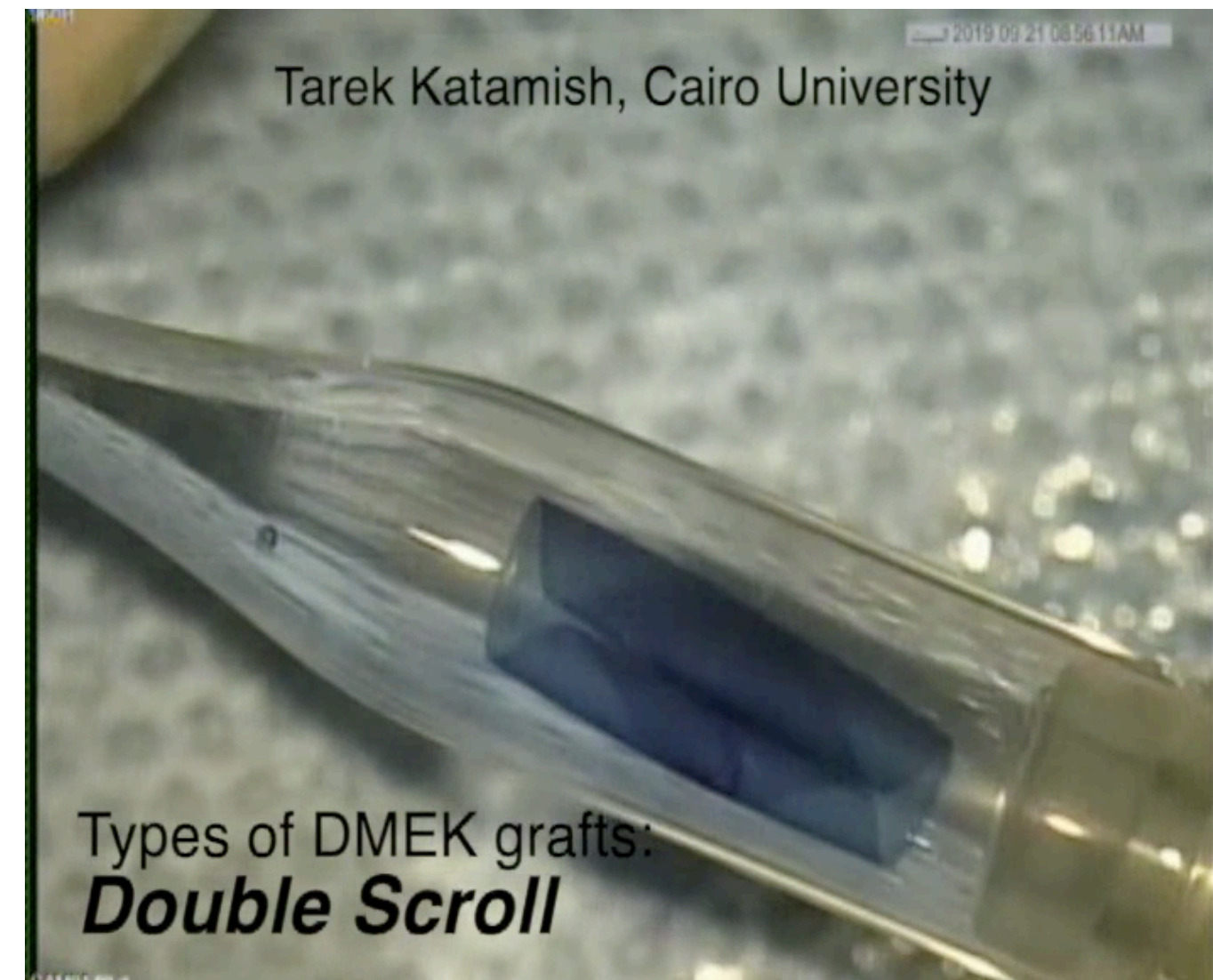
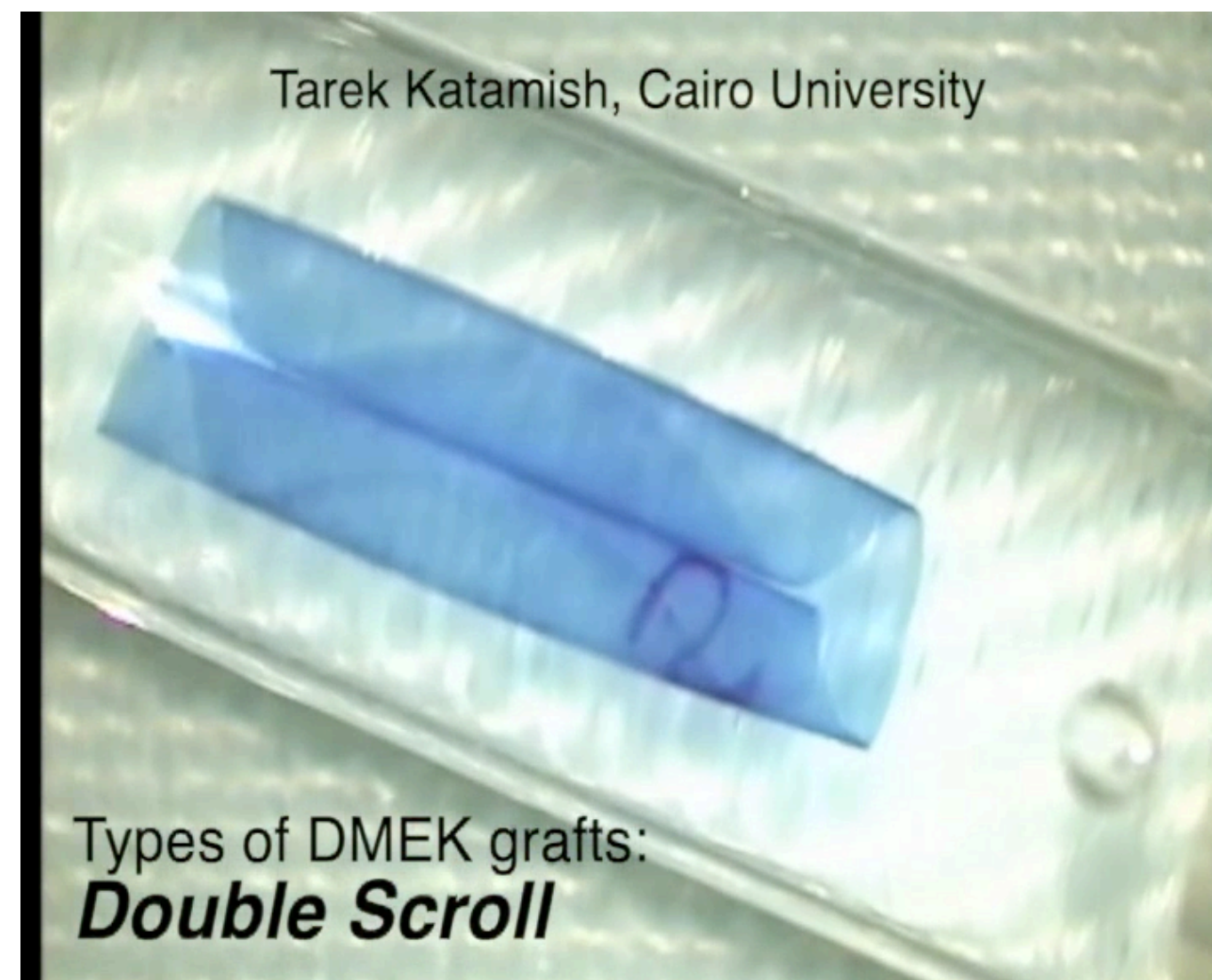


Tight DMEK rolls vs. double scrolls

Difficult unfolding



Easy unfolding





THANK YOU

See you next year

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