

10<sup>th</sup> International Conference on

# Clinical & Experimental Ophthalmology

November 21-23, 2016 Dubai, UAE

## Incision on incision technique of wound closure in phacoemulsification

**Sambhav Kumar**

Sharp Sight Hospital, India

The primary phaco incision is one of the most critical steps of cataract surgery because it not only significantly influences the fluidic balance during surgery but is also important at the end of surgery where corneal stromal hydration ensures watertight closure of the incision. A poorly sealed incision can allow infectious agents from the ocular surface to enter into the eye, leading to increase the risk of complications such as endophthalmitis. Here, we will demonstrate a new method of constructing the primary phaco incision which ensures an easy way of good wound closure at the end of surgery. In this technique, firstly an incision is made in superficial corneal layer without entering into the AC at the planned site of primary phaco incision. The length of incision should be kept at around 0.75 cm. There after, primary phaco wound is constructed at a deeper plane to the initial incision and the phacoemulsification is done. At the end of surgery, the superficial would is hydrated without touching the main deeper wound. A layer of uniform whiteness due to corneal hydration will be seen which ensures good wound closure. The corneal phaco incision is more than an access point for completing the cataract surgery. A good surgical technique is important to avoid stressing the incision. The surgeon should avoid heating the incision and defer from grabbing the roof of the incision with a toothed forceps. The good wound opposition acts as a barrier for entry of infectious agents. This technique is very impressive in the sense of good stromal hydration and watertight wound closure.

### Biography

Kumar Sambhav underwent his basic medical education (MBBS) from J.N. Medical College, Aligarh and Diploma in Ophthalmology from Institute of Ophthalmology, JNMCH, Aligarh. He pursued his higher education, Diplomate in National Board (Ophthalmology) from Sri Kanchi Kamakoti Medical Trust, Coimbatore. He has spent a year in Sankara Eye Care Hospital, Coimbatore undergoing training in Medical Retina. He has many publications in various peer reviewed national and international journals.

dr.kumar.sambhav@gmail.com

### Notes: