

MANUAL SMALL INCISION CATARACT SURGERY (MANUAL SICS)— TRICKS TO DO IT WELL

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Manual small incision surgery remains the most common technique for cataract removal in developing countries. Also, it is an excellent option in cases where phacoemulsification cannot be done or may not be possible like brown and hard cataracts which are common in India. A 2007 paper by Parikshit Gogate, MS, FRCS, and colleagues, published in Ophthalmology, compared the cost of phaco with foldable lenses with that of SICS. The results indicated that the average cost for a phaco surgery was greater—\$42 when converted from Indian rupees—than for SICS, which was only \$15. If the fixed-facility cost of around \$10 is factored out, then SICS was only \$5, with the phaco more than six times as costly. In Sankara Eye Hospital, in total we have done 17,2,255 surgeries till April 2018, out of which 90% are Manual SICS. This presentation will discuss some tricks which have helped us perform Manual SICS over the past three years. The preparation of patient,

preferred anesthesia, wound construction, capsulorrhexis, hydro procedures, nucleus prolapsed and delivery, cortical cleanup, IOL insertion, dialing and wound closure will also be discussed. Also, some videos of difficult cases which can be dealt with when phacoemulsification may not be possible or risky for the patient will be presented.

Biography

Pranav Radkar has completed his Post-graduation in Ophthalmology from MGM Medical College, Aurangabad, India and is doing Cornea Fellowship from Sankara Eye hospital, Shimoga, India. He has also done Phacoemulsification Fellowship from Sankara Nethralaya, Chennai, India. He has worked in Aditya Birla Memorial Hospital, Pune and Centre for Sight, New Delhi. His areas of research interest are Cataract Surgery, Refractive Surgery and Ocular Trauma.

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