

MEETING ABSTRACT

Open Access

Pollicisation: our techniques

Bhaskaranand Kumar

From 10th Congress of the Asia-Pacific Federation of Societies of Surgery for the Hand and the 6th Congress of Asia-Pacific Federation of Societies of Hand Therapists
Kuala Lumpur, Malaysia. 2-4 October 2014

Pollicization remains one of the most useful surgeries in the field of hand surgery as it involves creation of a new thumb which contributes to 40 percent of hand function. It involves transfer of one of the fingers to create a new functioning thumb when it is absent. The surgery demands an intelligent use of skin flaps, osteotomy and muscle balancing to create an almost normal looking aesthetic thumb.

The principles advocated by Buck-Gramcko remain as standards for us to adhere. This involves: 1) A carefully planned skin incision, 2) Neurovascular Dissection, 3) Skeletal readjustment to achieve length, orientation and alignment and 4) Optimum muscle balance to get the strength and stability for the new thumb.

We present a review based on experience of more than 200 pollicizations, briefly discussing indications, refinements in the critical steps of the technique, long term results and complications. Pollicization continues to be one of the most useful surgeries in improving the function of the hand and has stood the test of time. Its long term results clearly show that patients across all age groups with different etiologies use the pollicized thumb activity.

Published: 19 May 2015

doi:10.1186/1753-6561-9-S3-A7

Cite this article as: Kumar: Pollicisation: our techniques. *BMC Proceedings* 2015 **9**(Suppl 3):A7.

Submit your next manuscript to BioMed Central and take full advantage of:

- Convenient online submission
- Thorough peer review
- No space constraints or color figure charges
- Immediate publication on acceptance
- Inclusion in PubMed, CAS, Scopus and Google Scholar
- Research which is freely available for redistribution

Submit your manuscript at
www.biomedcentral.com/submit



Division of Hand and Microsurgery, Kasturba Medical College, Manipal,
576104 India



© 2015 Kumar; licensee BioMed Central Ltd. This is an Open Access article distributed under the terms of the Creative Commons Attribution License (<http://creativecommons.org/licenses/by/4.0/>), which permits unrestricted use, distribution, and reproduction in any medium, provided the original work is properly cited. The Creative Commons Public Domain Dedication waiver (<http://creativecommons.org/publicdomain/zero/1.0/>) applies to the data made available in this article, unless otherwise stated.