

Improvement of Outcome of Unilateral Cleft Lip Repair in Prince of Songkla University Hospital

Vichai Chichareon, MD.*, Alan F. Geater, PhD.**

Abstract:

The cases of unilateral cleft lip repair by one surgeon (VC) in Prince of Songkla University Hospital were reviewed during 1999–2002. Lip, nose measurements were taken pre- and post-operatively according to the protocol designed by ST Lee of Singapore. Repair was done using the modified technique of Millard. The lower lateral ala cartilage was dissected without suspension suture. All repairs and measurements were done by the same surgeon. Ten patients with complete or incomplete cleft lip with or without cleft palate repaired during May 1999 to February 2001 were analyzed. Even though there was no conclusion from this unpublished pilot study, we believed that this study enabled the surgeons to find out the problems from each case pre-operatively, to find the proper technique of repair and to be concerned with the immediate outcome. The previous protocol lacked some parameters. The protocol was modified by adding more accurate measurement to show the symmetry of the nose and the fullness of the vermilion. The lower lateral ala cartilage was dissected and the modified suspension according to Mc Comb's technique was performed. The immediate outcome was an improved symmetry of the lip and a more precise shape of the nose and vermilion.

* *Division of Plastic Surgery, Department of Surgery, Faculty of Medicine, Prince of Songkla University, Hat-Yai, Songkla, Thailand, 90110.*

** *Epidemiology Unit, Faculty of Medicine, Prince of Songkla University, Hat-Yai, Songkla, Thailand, 90110.*