

## Cleft Lip and Palate – The Role of Orthodontist

Siti Adibah Othman  
University of Malaya, Malaysia

Clefts of the lip and palate are among the most common congenital birth anomalies. The average prevalence of cleft lip with or without cleft palate is 7.94 per 10,000 live births internationally, and several studies have demonstrated that the incidence is highest among Asians. The aetiology of cleft lip and palate (CLP) is complex and multifactorial; hence the management, treatment as well as outcome assessment of these patients are challenging and involve many disciplines. The disturbances in dental and skeletal development caused by the clefting process itself can cause many problems to the dentofacial regions such as Class III skeletal pattern, crowding, hypodontia, microdontia, delay eruption, impacted teeth, abnormalities of the tooth size and shape, hypoplasia and supernumeraries. Individuals with CLP are also at risk for developing problems with social competence, personal adjustment and social rejection due to their visible facial and dental impairments. Thus, orthodontic treatment for these patients, which can help to restore the dentitions and improve their facial appearances, will be presented and discussed. The use of the anthropometric non-invasive systems of the 3-dimensional stereophotogrammetry technology in the evaluation of the outcome and planning will also be presented.

### Biography:

Dr. Siti Adibah Othman qualified as Bachelor of Dental Surgery from the University Malaya, Malaysia in 2000. She completed her Clinical Doctorate in Dental Surgery in Orthodontics at the University of Bristol and obtained her Membership in Orthodontics from the Royal College of Surgeons of Edinburgh in 2005. Having obtained the qualifications, she was appointed as Senior Lecturer at Department of Paediatric Dentistry and Orthodontics in University of Malaya from 2006 to 2011 and was appointed as Associate Professor in 2012. She is currently the Head of Department and the coordinator of the postgraduate orthodontic programme. She is actively involved in teaching of the undergraduates, postgraduates, reviewing of the curriculums and also actively treating orthodontic patients at the University of Malaya and at the University Malaya Specialist Centre. Besides that, she is also doing research and has published a few research papers in academic journals. Her areas of interest are orthodontics, clinical research, cleft lip and palate abnormalities and 3D imaging. She is member of World Federation of Orthodontists, Malaysian Association of Orthodontists, Malaysian Dental Association and the life member of the Cleft Lip and Palate Association of Malaysia. In 2013, she was awarded Membership in Orthodontics Ad Eundem from the Royal College of Surgeons of England, and being appointed as an examiner for the Membership of Orthodontics Examination of the Royal College of Surgeons of England for overseas diet.