

4<sup>th</sup> Asia Pacific Congress & Expo on

# Dental and Oral Health

July 27-29, 2015 Brisbane, Australia

## The effect of full-mouth rehabilitation on oral health-related quality of life for children with special health care needs in Jeddah city: A 1 year follow-up

Manal Maashi<sup>1</sup>, Omar El-Meligy<sup>2</sup>, Abdullah Al-Mushayt<sup>3</sup>, Abeer Al-Nowaiser<sup>3</sup> and Sultan Al-Mubark<sup>4</sup>

<sup>1</sup>Al-Taghar Hospital, Saudi Arabia

<sup>2</sup>Alexandria University, Egypt

<sup>3</sup>King Abdulaziz University, Saudi Arabia

<sup>4</sup>King Abdulaziz City for Science and Technology, Saudi Arabia

Changes in oral health-related quality of life (OHRQoL) among 40 children with special health care needs (CSHCN) aged 5–14 years before and 12 months after full-mouth rehabilitation (FMR) under general anesthesia (GA) in two hospitals in Jeddah city were assessed. The questionnaire was delivered to the parents/caregivers at baseline (pre-operative) and at the 12-month post-operative follow-up visit. Medical and dental histories and clinical findings were correlated accordingly. The follow-up response rate was 87.5% with 35 children completing a 12-month follow-up visit. The age range was from 5 to 12 years with a mean of  $7.3 \pm 2.4$  years. More than half of the study sample was boys (63%) in the 5–8 year age-group (69%). The impact on OHRQoL was reportedly negative before FMR under GA, with overall scores ranging from 12 to 68 and a mean of  $43.34 \pm 14.83$ . OHRQoL improved significantly in all aspects evaluated ( $P < 0.05$ ) following FMR under GA with overall scores ranging from 4 to 41 and a mean of  $18.86 \pm 8.54$ . Treating CSHCN under GA, with 3-month recall visits for the patients, had a significant long-term effect on their OHRQoL extending up to 12 months postoperatively.

### Biography

Manal Maashi has completed her postgraduate clinical certificate and MSc in pediatric dentistry from King Abdulaziz University, Jeddah, Saudi Arabia. She works as a registrar pediatric dentist at Al-Taghar Hospital, Ministry of Health, Jeddah, Saudi Arabia. She has published two papers in reputed journals and has participated actively in many national/international dental conferences.

[dr-manalmaashei@hotmail.com](mailto:dr-manalmaashei@hotmail.com)

### Notes: