



Figure 1: Pre-treatment portrait and intra-oral photographs. Adult male patient who was receiving orthodontic treatment (with fixed appliances shown in photos) in another clinic in preparation for orthognathic surgery. Patient was referred to CTOR clinics for possibility of non-surgical treatment. Lateral profile photograph showed a brachyfacial concave profile, a decrease in the mandibular facial third, a protrusive chin, and deficient maxillary lip and acceptable mandibular lip position. Frontal portrait photographs show dark buccal corridors, asymmetric incisal display upon smiling, maxillary dental midline deviated 3 mm to the right in relation to the facial midline, mandibular midline deviated 1.5 mm to the left with respect the maxillary dental midline. Measurements indicated a cant of the incisal plane elevated on the right side. Facial asymmetry noted as the mandible deviated to the right. Intraoral photographs reveal a constricted maxilla, spacing in area of maxillary first premolars and mandibular second premolars as they were previously extracted. A crossbite observed extending from the maxillary right premolar to left first premolar, and a Class III canine and molar relationship.