



**Figure 1: Pre-treatment portrait and intra-oral photographs.** Pre-treatment portrait and intraoral photographs show the patient's occlusion when asked to slowly close his mandible until the first tooth touches. In this position, the lateral profile photograph shows a concave profile with the lower lip projecting more anteriorly than the upper lip. Frontal portrait photographs show lip competency at rest and 100% incisal display while smiling. Intraoral photographs reveal the dental interference that causes a functional shift upon closing, a constricted maxilla, anterior crossbite, severe crowding in the maxillary arch, mild crowding in the mandibular arch and the ectopic position of the maxillary right lateral incisor and canine. The maxillary right second molar was not present in the arch, but the maxillary left second molar was partially erupted, and the mandibular second molars were erupting in their correct positions.